Table 1. Summary of Study Area Remedial Investigation Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Location Identification	Drilling/Sampling Method[1]	Completed Total Depth (ft bls)	Completed Soil Logging Intervals (ft bls)	Groundwater Sampling Interval	Completed Groundwater Analysis[2]	Downhole Geophysical Logging
Vertical Profile Borings						
VP-100	HSA/SP/SS	399	--	20[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-101	MR/HP/SS	360	--	20[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-102	HSA/SP/SS	370	--	20[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-103	MR/HP/SS	660	--	20[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-104	MR/HP/SS	887	820-822, 840-842, 860-862, 880-882, 885-887	20[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-105	HSA/SP/SS	170	--	10[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-106	HSA/SP/SS	120	--	10[3]	VOC, field parameters [4]	Gamma
VP-107	HSA/SP/SS	170	--	10[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-108	HSA/SP/SS	170	--	10[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-109	HSA/SP/SS	293	--	10[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-109R	MR/HP/SS	522	470-472	20[3]	VOC, field parameters [4]	Gamma/Electric
VP-110	HSA/SP/SS	387	--	10[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-110R	MR/HP/SS	674	466-468, 566-568, 642-644, 665-667, 672-674	20[3]	VOC, field parameters [4]	Gamma
VP-111	MR/HP/SS	631	--	20[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-112	MR/HP/SS	702	658-660, 678-680, 700-702	20[3]	VOC, Perchlorate, field parameters [4]	Gamma
VP-113	MR/HP/SS	493	422-424 and 425-427	20[3]	VOC, field parameters [4]	Gamma
VP-114	MR/HP/SS	497	135-137, 235-237, 275-277, 380-382, 440-442, 495-497	20[3]	VOC, field parameters [4]	Gamma
VP-115	MR/HP/SS	603	60-62, 160-162, 260-262, 360-362, 460-462, 560-562	20[3]	VOC, field parameters [4]	Gamma/Electric
VP-116	MR/HP/SS	699	155-157, 255-257, 335-337, 360-362, 454-456, 531-533, 634-636, 674-676	20[3]	VOC, field parameters [4]	Gamma/Electric
VP-117	MR/HP/SS	789	104-106, 204-206, 304-306, 414-416, 519-521, 610-612, 710-712. 755-757. 784-786. 787-789	50/20[3]	VOC, field parameters [4]	Gamma/Electric
VP-118	MR/HP/SS	799	104-106, 204-206, 310-312, 404-406, 514-516, 562-564, 597-599, 614-616, 627-629, 647-649, 669-671, 687-689, 707-709. 737-739. 754-756. 762-764. 777-779. 797-799	50/20[3]	VOC, field parameters [4]	Gamma/Electric
VP-119	MR/HP/SS	804	644-646, 647-649, 667-669, 677-679, 687-689, 707-709, 767-769, 772-774, 802-804	50/20[3]	VOC, field parameters [4]	Gamma/Electric

Notes and abbreviation on last page.

Table 1. Summary of Study Area Remedial Investigation Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Location Identification	Drilling/Sampling Method[1]	Completed Total Depth (ft bls)	Completed Soil Logging Intervals (ft bls)	Groundwater Sampling Interval	Completed Groundwater Analysis[2]	Downhole Geophysical Logging
Monitoring Well Sampling						
B24MW-2	--/SP	74	--	54-74	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
B24MW-3	--/SP	70	--	55-70	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
B30MW-1	--/SP	72	--	57-72	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
HN-40S	--/SP	59	--	49-59	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
HN-40I	--/SP	118	--	108-118	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
HN-42S	--/SP	60	--	50-60	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
HN-42I	--/SP	110	--	100-110	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
GM-15S	--/SP	80	--	70-80	VOC and field parameters [4]	--
GM-15I	--/Bladder	105	--	95-105	VOC and field parameters [4]	--
GM-15D	--/Bladder	342	--	332-342	VOC and field parameters [4]	--
GM-15D2	--/Bladder	556	--	536-556	VOC and field parameters [4]	--
MW100-1	--/SP	70	--	55-65	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW100-2	--/SP	160	--	145-155	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW100-3	--/SP	252	--	237-247	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW102-1	--/SP	152	--	137-147	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW107-1	--/SP	93	--	78-88	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--

Notes and abbreviation on last page.

Table 1. Summary of Study Area Remedial Investigation Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Location Identification	Drilling/Sampling Method[1]	Completed Total Depth (ft bls)	Completed Soil Logging Intervals (ft bls)	Groundwater Sampling Interval	Completed Groundwater Analysis[2]	Downhole Geophysical Logging
Monitoring Well Sampling (continued)						
MW108-1	--/SP	82	--	67-77	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW-109-3	--/SP	248	--	233-243	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW-111-4	--/SP	473	--	448-468	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW-116-5	--/SP	595	--	570-590	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW-117-5	--/SP	762	--	737-757	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW-118-5	--/SP	743	--	713-738	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	--
MW-200-1	--/SP	100	--	85-95	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	Gamma
MW-201-1	--/SP	85	--	70-80	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	Gamma
MW-202-1	--/SP	140	--	125-135	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	Gamma
MW-203-1	--/SP	118	--	103-113	VOC, Cd/Cr (Total and Dissolved), field parameters [4]	Gamma

Notes and abbreviation on last page.

Table 1. Summary of Study Area Remedial Investigation Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Notes and Abbreviations:

(1) The complete description of drilling, sampling, and logging methods is provided in the NYSDEC-approved RI/FS Work Plan.

(2) Laboratory analysis of samples were performed using one or more of the following methods:
- VOCs: TCL VOCs using NYSDEC ASP 2000 Method OLM 4.2.
- Cadmium/Chromium using USEPA Method ILM 4.0.
- Perchlorate: USEPA Method 314.0.

(3) In vertical profile borings completed using hollow stem auger drilling, groundwater sampling commenced from the bottom of the borehole and proceeded upward in 10 or 20 foot intervals to the water table (approx. 55 ft bls). In VPBs completed with mud rotary drilling, groundwater samples were collected from the water table to the terminal depth in 50 or 20 foot intervals. Actual sampling intervals were selected based on field activities.

(4) Field parameters included pH, specific conductance, and temperature (sample interval may not include every noted parameter due to field conditions).

ft bls	Feet below land surface
VP	Vertical profile boring
TCL	Target compound list
VOC	Volatile organic compound
NYSDEC	New York State Department of Environmental Conservation
Cd/Cr	Cadmium/Chromium
--	Not applicable
USEPA	United States Environmental Protection Agency
ASP	Analytical services protocol
HSA	Hollow-stem auger
SS	Split spoon
SP	Submersible pump
MR	Mud Rotary

ARCADIS

Table 2. Study Area Monitoring Well Construction Summary, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Well Identification	NYSDEC Permit #	Date Installed	Owner	Casing/ Screen Material [1]	Casing/ Screen Diameter (inches)	Surface Casing	Measuring Point Elevation [2] (ft msl)	Total Depth (ft bmp)	Total Depth (ft msl)	Screened Interval (ft bmp)	Screened Interval Elevation (ft msl)	Dedicated Pump/Packer (Y/N)
B24MW-2	--	3/7/1994	NG	PVC	2	FM	126.96	74	52.96	54 to 74	72.96 to 52.96	N
B24MW-3	--	2/24/1994	NG	PVC	2	FM	127.11	70	57.11	55 to 70	72.11 to 57.11	N
B30MW-1	--	4/14/2006	NG	PVC	2	FM	128.33	72	56.33	57 to 72	71.33 to 56.33	N
HN-40S	--	4/13/2006	US Navy	Sch. 40 PVC	4	FM	116.35	59	57.35	49 to 59	67.35 to 57.35	N
HN-40I	--	4/13/2006	US Navy	Sch. 40 PVC	4	FM	115.91	118	-2.09	108 to 118	7.91 to -2.09	N
HN-42S	--	4/13/2006	US Navy	Sch. 40 PVC	4	FM	120.32	60	60.32	50 to 60	70.32 to 60.32	N
HN-42I	--	4/13/2006	US Navy	Sch. 40 PVC	4	FM	119.61	110	9.61	100 to 110	19.61 to 9.61	N
GM-15S	--	5/16/2000	US Navy	Sch. 40 PVC	4	FM	109.44	80	29.44	70 to 80	39.44 to 29.44	N
GM-15I	--	--	NG	Sch. 40 PVC	4	FM	109.25	105	4.25	95 to 105	14.25 to 4.25	N
GM-15D	--	5/9/2000	US Navy	Sch. 40 PVC	4	FM	109.84	342	-232.16	332 to 342	-222.16 to -232.16	N
GM-15D2	--	5/5/2000	US Navy	Sch. 40 PVC	4	FM	109.78	556	-446.22	536 to 556	-426.22 to -446.22	N
MW100-1	N-13666	5/1/2007	NG	Sch. 40 PVC	4	FM	117.00	70	47.00	55 to 65	62.00 to 52.00	N
MW100-2	N-13667	5/7/2007	NG	Sch. 40 PVC	4	FM	116.59	160	-43.41	145 to 155	-28.41 to -38.41	N
MW100-3	N-13668	4/3/2007	NG	Sch. 80 PVC	4	FM	116.63	252	-135.37	237 to 247	-120.37 to -130.37	N
MW102-1	N-13663	6/14/2007	NG	Sch. 40 PVC	4	FM	115.80	152	-36.20	137 to 147	-21.20 to -31.20	N
MW107-1	N-13664	5/15/2007	NG	Sch. 40 PVC	4	FM	116.72	93	23.72	78 to 88	38.72 to 28.72	N
MW108-1	N-13665	5/31/2007	NG	Sch. 40 PVC	4	FM	118.46	82	36.46	67 to 77	51.46 to 41.46	N
MW-109-3	N-13815	4/8/2009	NG	Sch. 80 PVC/ SS	4	FM	111.29	248	-136.71	233 to 243	-121.71 to -131.71	N
MW-111-4	N-13757	4/28/2008	NG	Sch. 80 PVC/ SS	4	FM	103.38	473	-369.62	448 to 468	-344.62 to -364.62	N
MW-116-5	N-13712	4/4/2008	NG	Sch. 80 PVC/ SS	4	FM	93.58	595	-501.42	570 to 590	-476.42 to -496.42	Y
MW-117-5	N-13791	1/22/2009	NG	Sch. 80 PVC/ SS	4	FM	94.80	762	-667.20	737 to 757	-642.20 to -662.20	Y
MW-118-5	N-13792	5/11/2009	NG	Sch. 80 PVC/ SS	4	FM	85.53	743	-657.47	713 to 738	-627.47 to -652.47	Y
MW-200-1	N-13761	1/21/2009	NG	Sch. 40 PVC/ SS	4	FM	123.49	100	23.49	85 to 95	38.49 to 28.49	N
MW-201-1	N-13760	1/27/2009	NG	Sch. 40 PVC/ SS	4	FM	121.69	85	36.69	70 to 80	51.69 to 41.69	N
MW-202-1	N-13759	2/2/2009	NG	Sch. 40 PVC/ SS	4	FM	119.27	140	-20.73	125 to 135	-5.73 to -15.73	N
MW-203-1	N-13758	2/9/2009	NG	Sch. 40 PVC/ SS	4	FM	118.25	118	0.25	103 to 113	15.25 to 5.25	N

Notes and Abbreviations:

[1]	All monitoring wells have a 0.01 in. slot screen openings.
[2]	Measuring point elevation is top of inner casing.
ft bmp	Feet below measuring point
ft msl	Feet relative to mean sea level
Sch.	Schedule
PVC	Polyvinyl chloride
SS	Stainless steel
FM	Flush mount
NG	Northrop Grumman System Corporation
US Navy	United States Navy
--	Not available/None

Table 3. Monitoring Well Survey Data and Water-Levels Measured July and September 2009, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Well ID and Hydrogeologic Zone	Northing (Datum: NAD 1983)	Easting (Datum: NAD 1983)	Measuring Point Elevation (Datum: NAVD 1988)	Measuring Point Description	July 2009		September 2009	
					Depth to Water (ft bmp)	Water-Level Elevation (ft msl)	Depth to Water (ft bmp)	Water-Level Elevation (ft msl)
Shallow								
B24MW-2	215138.44	1126021.69	126.96	TOC	52.33	74.63	52.61	74.35
B24MW-3	214493.18	1125923.74	127.11	TOC	53.92	73.19	54.88	72.23
B30MW-1	215297.04	1126443.42	128.33	TOC	54.34	73.99	55.14	73.19
MW-100-1	213238.98	1127170.61	117.00	TOC	45.53	71.47	46.46	70.54
MW-107-1	213048.14	1127921.13	116.72	TOC	44.50	72.22	45.56	71.16
MW-108-1	213781.55	1126243.05	118.46	TOC	47.07	71.39	47.97	70.49
MW-200-1	214273.20	1126278.80	123.49	TOC	50.85	72.64	52.02	71.47
MW-201-1	214253.00	1126534.50	121.69	TOC	49.24	72.45	50.49	71.20
MW-202-1	214232.00	1126774.00	119.27	TOC	47.01	72.26	48.06	71.21
MW-203-1	214222.10	1127012.50	118.25	TOC	46.01	72.24	47.07	71.18
GM-15S	1127074.76	210582.97	109.44	TOC	42.10	67.34	43.22	66.22
HN-40S	1125986.76	212473.56	116.35	TOC	45.91	70.44	46.79	69.56
HN-42S	1126067.16	213790.77	120.32	TOC	48.28	72.04	49.23	71.09
Intermediate								
MW-100-2	213231.24	1127170.17	116.59	TOC	46.39	70.20	47.30	69.29
MW-102-1	213559.15	1127449.83	115.80	TOC	45.18	70.62	46.11	69.69
GM-15I	1127097.56	210576.28	109.25	TOC	41.91	67.34	43.03	66.22
HN-40I	1125986.76	212473.56	115.91	TOC	45.76	70.15	46.77	69.14
HN-42I	1126067.16	213790.77	119.61	TOC	47.61	72.00	48.51	71.10
Deep								
MW-100-3	213212.23	1127168.95	116.63	TOC	46.18	70.45	47.10	69.53
MW-109-3	212006.60	1127775.10	111.29	TOC	43.19	68.10	44.23	67.06
MW-111-4	210188.20	1128108.00	103.38	TOC	40.48	62.90	41.62	61.76
GM-15D	1127065.47	210601.69	109.84	TOC	44.52	65.32	45.56	64.28
Deep2								
MW-116-5	207462.60	1129288.80	93.58	TOC	39.91	53.67	39.13	54.45
MW-117-5	206932.70	1127137.90	94.80	TOC	39.11	55.69	39.63	55.17
MW-118-5	205698.00	1128080.50	85.53	TOC	34.21	51.32	33.97	51.56
GM-15D2	1127051.72	210613.96	109.78	TOC	47.28	62.50	48.28	61.50

Notes and abbreviations on following page.

Table 3. Monitoring Well Survey Data and Water-Levels Measured July and September 2009, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Notes and Abbreviations:

1. Water-level measurements were collected on July 17, 2009 and September 23, 2009

ID	Identification
ft bmp	Feet below measuring point
ft msl	Feet relative to mean sea level
NAD	North American Datum
NAVD	North American Vertical Datum
TOC	Top of inner PVC casing

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-100 46 - 51 9/15/2006	VP-100 55 - 60 9/15/2006	VP-100 75 - 85 9/14/2006	VP-100 105 - 110 9/14/2006	VP-100(REP) 105 - 110 9/14/2006	VP-100 125 - 130 9/13/2006	VP-100 145 - 150 9/13/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 10	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 10	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 10	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	**0.27 J**	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10 J	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 10	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	**0.95 J**	**1.2 J**	**14**	**3 J**	**3 J**	< 5	< 5
Chloroethane	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Chloroform	7	**0.77 J**	**0.63 J**	**9**	**2 J**	**2 J**	**0.7 J**	**0.7 J**
Chloromethane	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**15**	**13**	**100**	**140**	**150**	**930 D**	**1500 D**
cis-1,3-dichloropropene	0.4	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5 JB	< 10 JB	< 5 B	< 5 B	< 5 B	< 5	< 5
Styrene	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	**0.48 J**	**2 J**	**1 J**	**0.8 J**	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 10	< 5	< 5	< 5	**0.9 J**	< 5
trans-1,3-dichloropropene	0.4	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**2.5 J**	**2.4 J**	**17**	**22**	**23**	**97**	**190**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 10	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	**0.19 J**	**0.12 J**	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 10	< 5	< 5	< 5	< 5	< 5
TVOC		**19.4**	**18.1**	**142.0**	**168.0**	**178.8**	**1,028.6**	**1,690.7**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-100 160 - 165 9/12/2006	VP-100 180 - 185 9/12/2006	VP-100 190 - 195 9/12/2006	VP-100 200 - 205 9/11/2006	VP-100 210 - 215 9/11/2006	VP-100 220 - 225 9/11/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	**3 J**	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	**2 J**	**2 J**
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	**2 J**	< 5	**2 J**	**0.6 J**	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**360 D**	**66**	**16**	**11**	**22**	**17**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	**0.6 J**	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	**0.8 J**	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**78**	**32**	**20**	**11**	**15**	**14**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	**2 J**	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**445.0**	**98.0**	**38.6**	**23.4**	**39.0**	**33.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-100 230 - 235 9/8/2006	VP-100 (REP) 230 - 235 9/8/2006	VP-100 240 - 245 9/8/2006	VP-100 250 - 255 9/7/2006	VP-100 270 - 275 9/7/2006	VP-100 290 - 295 9/6/2006	VP-100 310 - 315 9/6/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 10	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 10	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 10	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 20	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 20	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 20	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 20	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 1	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
cis-1,2-dichloroethene	5	**3 J**	**3 J**	**2 J**	**3 J**	**8**	**7 J**	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Tetrachloroethene	5	**2 J**	**0.9 J**	**3 J**	**2 J**	**3 J**	< 10	**3 J**
Toluene	5	**1 J**	**1 J**	< 5	**8**	**3 J**	**1 J**	**1 J**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Trichloroethylene	5	**20**	**20**	**47**	**86**	**240 D**	**190**	**18**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 10	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 4	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 10	< 5
TVOC		**26.0**	**24.9**	**52.0**	**99.0**	**254.0**	**198.0**	**22.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-100 330 - 335 9/5/2006	VP-100 (REP) 330 - 335 9/5/2006	VP-100 350 - 355 9/5/2006	VP-100 371 - 376 9/1/2006	VP-100 394 - 399 9/1/2006	VP-101 60 - 60 6/27/2006	VP-101 80 - 80 6/27/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10 J	< 36
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	**6**	**7**	< 5	**0.5 J**	**0.8 J**	< 5	< 5
Toluene	5	**1 J**	**1 J**	< 5	**0.7 J**	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**11**	**12**	**2 J**	**0.6 J**	**1 J**	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	**0.9 J**	**0.8 J**	< 5	< 5	**0.7 J**	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**18.9**	**20.8**	**2.0**	**1.8**	**2.5**	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-101 100 - 100 6/28/2006	VP-101 120 - 120 6/28/2006	VP-101 140 - 140 6/28/2006	VP-101 167 - 167 6/29/2006	VP-101 180 - 180 6/29/2006	VP-101 200 - 200 6/30/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10 J	< 10 J	< 10 J	< 10 B	< 10 B	**4 J**
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5 JB	< 5 B	< 5 B
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	**0.6 J**	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		0	0	0	0	**0.6**	**4.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-101 227 - 227 6/30/2006	VP-101 (REP) 227 - 227 6/30/2006	VP-101 240 - 240 7/5/2006	VP-101 260 - 260 7/5/2006	VP-101 287 - 287 7/6/2006	VP-101 300 - 300 7/6/2006	VP-101 320 - 320 7/6/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5		< 5		< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	**5 J**	**5 J**	< 10 B	< 10 B	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 10
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 10
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	**1 JB**	< 5 B	< 5 B	< 5 B	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**0.8 J**	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**6.8**	**5.0**	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-101 340 - 340 7/6/2006	VP-101 360 - 360 7/7/2006	VP-101 387 - 387 7/10/2006	VP-101 400 - 400 7/10/2006	VP-101 420 - 420 7/11/2006	VP-101 440 - 440 7/11/2006	VP-101 460 - 460 7/11/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	**6 J**	< 10	**4 J**	**6 J**	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**6.0**	0	**4.0**	**6.0**	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-101 480 - 480 7/12/2006	VP-101 507 - 507 7/13/2006	VP-102 45 - 50 10/13/2006	VP-102 65 - 70 10/13/2006	VP-102 (REP) 65 - 70 10/13/2006	VP-102 85 - 90 10/13/2006	VP-102 105 - 110 10/12/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 18	< 10 J	< 10 J	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	**0.32 J**	**0.37 J**	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 10	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	**0.42 J**	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 10	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5 JB	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	**1.6 J**	**4.2 J**	**4 J**	**4.4 J**	**7.2**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	**14**	**33**	**34**	**13**	**34**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		0	0	**15.6**	**37.5**	**38.8**	**17.4**	**41.2**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location:	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample Depth (ft bls):	125 - 130	135 - 140	150 - 155	160 - 165	170 - 175	180 - 185	190 - 195
	Sample Date:	10/12/2006	10/11/2006	10/11/2006	10/11/2006	10/10/2006	10/10/2006	10/6/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	**2 J**	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	**6.2**	**12**
1,1-Dichloroethene	5	< 5	< 5	**0.61 J**	**0.77 J**	**1.1 J**	**1.9 J**	**3.3 J**
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	**0.85 J**
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	**0.98 J**	**1.2 J**	**2.5 J**	**4.1 J**	**2.2 J**	**3 J**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	**0.74 J**	< 5	< 5
Toluene	5	**1.6 J**	**4.3 J**	**5.1**	**3.5 J**	**0.64 J**	< 5	**0.9 J**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	**2.6 J**
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**16**	**83**	**86**	**140**	**150**	**78**	**110**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	**1 J**	**2.1 J**	**4.1 J**	**1.8 J**	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**17.6**	**88.3**	**93.9**	**148.9**	**160.7**	**92.1**	**132.7**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-102 200 - 205 10/6/2006	VP-102 220 - 225 10/5/2006	VP-102 240 - 245 10/5/2006	VP-102 250 - 255 10/4/2006	VP-102 (REP) 250 - 255 10/4/2006	VP-102 260 - 265 10/4/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 10	< 10	< 10
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 10	< 10	< 10
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 10	< 10	< 10
1,1-Dichloroethane	5	**3.6 J**	< 5	**7.8**	**6.6 J**	**5.8 J**	**8.7 J**
1,1-Dichloroethene	5	< 5	< 5	**1.5 J**	**2.2 J**	**1.8 J**	**3.3 J**
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 10	< 10	< 10
1,2-Dichloropropane	1	< 5	< 5	< 5	< 10	< 10	< 10
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 10	< 10	< 10
Bromodichloromethane	50	< 5	< 5	< 5	< 10	< 10	< 10
Bromoform	50	< 5	< 5	< 5	< 10	< 10	< 10
Bromomethane	5	< 5	< 5	< 5	< 10	< 10	< 10
Carbon Disulfide	60	< 5	< 5	< 5	< 10	< 10	< 10
Carbon tetrachloride	5	< 5	< 5	< 5	< 10	< 10	< 10
Chlorobenzene	5	< 5	< 5	< 5	< 10	< 10	< 10
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 10	< 10	< 10
Chloroethane	5	< 5	< 5	< 5	< 10	< 10	< 10
Chloroform	7	< 5	< 5	< 5	< 10	< 10	< 10
Chloromethane	5	< 5	< 5	< 5	< 10	< 10	< 10
cis-1,2-dichloroethene	5	**1.7 J**	**6.2**	**4.7 J**	**34 J**	**31**	**47**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 10	< 10	< 10
Dibromochloromethane	50	< 5	< 5	< 5	< 10	< 10	< 10
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 10	< 10	< 10
Ethylbenzene	5	< 5	< 5	< 5	< 10	< 10	< 10
Methylene Chloride	5	< 5	< 5	< 5	< 10 JB	< 10 JB	< 10 JB
Styrene	5	< 5	< 5	< 5	< 10	< 10	< 10
Tetrachloroethene	5	< 5	< 5	< 5	< 10	< 10	< 10
Toluene	5	**1.1 J**	< 5 J	< 5 J	< 10 J	**2.8 J**	**8 J**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 10	< 10	< 10
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 10	< 10	< 10
Trichloroethylene	5	**62**	**190**	**180**	**340 D**	**330 D**	**440 D**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 10	< 10	< 10
Vinyl Acetate	NE	< 5	< 5	< 5	< 10	< 10	< 10
Vinyl Chloride	2	< 2	< 2	< 2	**1.2 J**	**1.4 J**	**2.2 J**
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 10	< 10	< 10
TVOC		**68.4**	**196.2**	**194.0**	**384.0**	**372.8**	**509.2**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-102 290 - 295 10/2/2006	VP-102 300 - 305 9/29/2006	VP-102 310 - 315 9/29/2006	VP-102 325 - 330 9/28/2006	VP-102 (REP) 325 - 330 9/28/2006	VP-102 345 - 350 9/28/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	**9.3**	**17**	**12**	**2.4 J**	**2.7 J**	**2.7 J**
1,1-Dichloroethene	5	**3.7 J**	**4.9 J**	**1.4 J**	**1.9 J**	**2 J**	**1.2 J**
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	**0.38 J**	< 5	< 5	< 5	**0.82 J**
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	**0.75 J**	**0.56 J**	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**71**	**79**	**18**	**21**	**22**	**15**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5.7 B	< 9.9 B	< 9.3 B	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	**0.55 J**	< 5	< 5	< 5	< 5	< 5
Toluene	5	**5.9**	< 5	**0.33 J**	**0.61 J**	**0.72 J**	< 5
trans-1,2-dichloroethene	5	**0.61 J**	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**1100 D**	**460 D**	**100**	**310 D**	**300 D**	**200**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	**1.7 J**	**3.2**	**1.9 J**	< 2	< 2	**0.13 J**
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**1,193.5**	**565.0**	**133.6**	**335.9**	**327.4**	**219.9**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-102 365 - 370 9/27/2006	VP-102 370 - 375 10/3/2006	VP-102 380 - 385 10/3/2006	VP-103 60 - 60 10/10/2006	VP-103 80 - 80 10/10/2006	VP-103 100 - 100 10/10/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 10	< 10	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 10	< 10	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 10	< 10	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	**11**	< 10	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	**5.6 J**	**1.5 J**	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 10	< 10	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 10	< 10	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10 J	< 10
Benzene	1	< 0.7	< 10	< 10	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 10	< 10	< 5	< 5	< 5
Bromoform	50	< 5	< 10	< 10	< 5	< 5	< 5
Bromomethane	5	< 5	< 10	< 10	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 10	< 10	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 10	< 10	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 10	< 10	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 10	< 10	< 5	< 5	< 5
Chloroethane	5	< 5	< 10	< 10	< 5	< 5	< 5
Chloroform	7	< 5	< 10	**0.44 J**	< 5	< 5	< 5
Chloromethane	5	< 5	< 10	< 10	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	**78**	**23**	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 10	< 10	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 10	< 10	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 10	< 10	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 10	< 10	< 5	< 5	< 5
Methylene Chloride	5	< 5 JB	< 10 J	< 10 J	< 5 JB	< 5	< 5
Styrene	5	< 5	< 10	< 10	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 10	**1.7 J**	< 5	< 5	< 5
Toluene	5	< 5	**5.4 J**	**4.6 J**	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 10	< 10	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 10	< 10	< 5	< 5	< 5
Trichloroethylene	5	**1.7 J**	**1000 D**	**1100 D**	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 10	**2.4 J**	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 10	< 10	< 5	< 5	< 5
Vinyl Chloride	2	< 2	**3.3 J**	**0.34 J**	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 10	< 10	< 5	< 5	< 5
TVOC		**1.7**	**1,103.3**	**1,134.0**	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: Sample Depth (ft bls): Sample Date:	VP-103 120 - 120 10/10/2006	VP-103 140 - 140 10/11/2006	VP-103 165 - 165 10/11/2006	VP-103 185 - 185 10/11/2006	VP-103 200 - 200 10/12/2006	VP-103 220 - 220 10/12/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10 J	< 10 J	< 10	< 10	< 10 J
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	**0.43 J**	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5 JB	< 5 JB
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**0.4**	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-103 240 - 240 10/12/2006	VP-103 260 - 260 10/12/2006	VP-103 285 - 285 10/13/2006	VP-103 320 - 320 10/16/2006	VP-103 345 - 345 10/16/2006	VP-103 (REP) 345 - 345 10/16/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	**10**	< 5	**16**	**2.9 J**	**2.4 J**
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	**19**	< 5	**17**	**10**	**8.6**
1,1-Dichloroethene	5	< 5	**9.3**	< 5	**30**	**2.8 J**	**3.7 J**
1,2-Dichloroethane	0.6	< 5	< 5	< 5	**4.3 J**	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10 J	< 10	< 10 J	< 10 J
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	**2 J**	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	**1.4 J**	< 5	**4 J**	**1.7 J**	**1.1 J**
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**55**	**110**	**13**	**270**	**190 J**	**150 J**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5 JB	< 5	< 5 J	< 5	< 5 JB	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	**0.65 J**	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	**0.37 J**	< 5	**1.1 J**	**1.2 J**	**0.19 J**
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**43**	**280 D**	**25**	**1900 D**	**450 DJ**	**320 DJ**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**98.0**	**430.1**	**38.0**	**2,244.4**	**659.3**	**486.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-103 360 - 360 10/17/2006	VP-103 380 - 380 10/17/2006	VP-103 400 - 400 10/17/2006	VP-103 420 - 420 10/18/2006	VP-103 440 - 440 10/18/2006	VP-103 460 - 460 10/18/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	**4.1 J**	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	**5.3**	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**14**	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5 J	< 5	< 5	< 5	< 5 J
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**380 D**	**3.4 J**	**0.51 J**	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**403.4**	**3.4**	**0.5**	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-103 480 - 480 10/18/2006	VP-103 500 - 500 10/19/2006	VP-103 525 - 525 10/19/2006	VP-103 545 - 545 10/20/2006	VP-103 560 - 560 10/20/2006	VP-103 580 - 580 10/23/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10 J	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5 J	< 5 JB	< 5 JB	< 5 JB	< 5 JB	< 5 JB
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-103 600 - 600 10/23/2006	VP-103 620 - 620 10/23/2006	VP-103 640 - 640 10/24/2006	VP-103 (REP) 640 - 640 10/24/2006	VP-103 660 - 660 10/24/2006	VP-104 60 - 60 7/28/2006
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 16 B
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5 JB	< 5 JB	< 5 JB	< 5 JB	< 5 JB	< 5 J
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-104 80 - 80 7/28/2006	VP-104 100 - 100 7/31/2006	VP-104 120 - 120 7/31/2006	VP-104 140 - 140 7/31/2006	VP-104 (REP) 140 - 140 7/31/2006	VP-104 160 - 160 7/31/2006	VP-104 180 - 180 8/1/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10 J	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**1 J**	**2 J**	**150**	**8**	**10**	**19**	**2 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**1.0**	**2.0**	**150.0**	**8.0**	**10.0**	**19.0**	**2.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-104 200 - 200 8/1/2006	VP-104 220 - 220 8/1/2006	VP-104 240 - 240 8/1/2006	VP-104 260 - 260 8/2/2006	VP-104 280 - 280 8/2/2006	VP-104 300 - 300 8/2/2006	VP-104 320 - 320 8/3/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	**7**
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	**3 J**
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10 J	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	**1 J**	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 B
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	**0.8 J**	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**3 J**	**5 J**	**7**	**7**	**7**	**2 J**	**0.9 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**3.0**	**6.0**	**7.0**	**7.0**	**7.0**	**2.8**	**10.9**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-104 340 - 340 8/3/2006	VP-104 360 - 360 8/3/2006	VP-104 380 - 380 8/7/2006	VP-104 400 - 400 8/7/2006	VP-104 420 - 420 8/7/2006	VP-104 (REP) 420 - 420 8/7/2006	VP-104 460 - 460 8/8/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	**3 J**	**3 J**	**3 J**	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	**10**	**11**	**11**	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	**3 J**	**4 J**	**4 J**	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10 J	< 10 J	< 11	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	**0.7 J**	**0.7 J**	**0.6 J**	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5 B	< 5 B	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	**2 J**	**2 J**	**2 J**	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	**3 J**	**3 J**	**3 J**	**0.3 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		0	0	0	**21.7**	**23.7**	**23.6**	**0.3**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-104 480 - 480 8/8/2006	VP-104 500 - 500 8/8/2006	VP-104 520 - 520 8/14/2006	VP-104 540 - 540 8/14/2006	VP-104 560 - 560 8/14/2006	VP-104 580 8/15/2006	VP-104 600 8/15/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	**6**	**1 J**	< 5	< 25	< 25	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	**3 J**	< 25	**5 J**	< 5	< 5
1,1-Dichloroethane	5	**15**	**2 J**	**3 J**	< 25	< 25	< 5	< 5
1,1-Dichloroethene	5	**9**	**2 J**	**2 J**	**4 J**	**7 J**	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	**16**	< 25	**12 J**	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 200	< 250	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 50	< 50	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 50	< 50	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 50	< 50	< 10	< 10
Acetone	50	< 10	< 10 J	**5 J**	< 50	< 50	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 4	< 4	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Chloroform	7	**2 J**	**6**	< 18	< 25 J	< 25 J	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
cis-1,2-dichloroethene	5	**20**	**84**	**380 D**	**470**	**290**	**6**	**1 J**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Tetrachloroethene	5	**19**	**4 J**	**12**	**3 J**	**7 J**	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 25	< 25	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5 M	**6**	**4 J**	**5 J**	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Trichloroethylene	5	**72**	**190 D**	**1400 D**	**3200 D**	**6300 D**	**110**	**17**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	**0.5 J**	< 25	< 25	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 25	< 25	< 5	< 5
Vinyl Chloride	2	< 2	< 2 M	< 2	< 10	< 10	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 25	< 25	< 5	< 5
TVOC		**143.0**	**289.0**	**1,827.5**	**3,681.0**	**6,626.0**	**116.0**	**18.0**

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Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-104 620 8/15/2006	VP-104 640 8/16/2006	VP-104 660 8/16/2006	VP-104 680 8/16/2006	VP-104 707 8/21/2006	VP-104 720 8/22/2006	VP-104 740 8/22/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	**4 J**	< 10	< 10	< 10	**6 J**	< 10 J	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**1 J**	< 5	**0.9 J**	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**14**	**8**	**11**	**4 J**	**0.5 J**	**1 J**	**1 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**19.0**	**8.0**	**11.9**	**4.0**	**6.5**	**1.0**	**1.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-104 760 8/23/2006	VP-104 780 8/23/2006	VP-104 800 8/23/2006	VP-104 820 8/24/2006	VP-104 840 8/24/2006	VP-104 860 8/25/2006	VP-104 880 8/25/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	**5 J**	< 10	< 10 J	< 10 J	**5 J**	**6 J**
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 J
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5 JB	< 5 JB
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**1 J**	**0.9 J**	**1 J**	**0.3 J**	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**1.0**	**5.9**	**1.0**	**0.3**	0	**5.0**	**6.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-105 45 - 50 8/2/2006	VP-105 55 - 60 8/2/2006	VP-105 65 - 70 8/2/2006	VP-105 80 - 75 8/2/2006	VP-105 85 - 90 8/1/2006	VP-105 95 - 100 8/1/2006	VP-105 102 - 107 8/1/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	**7**	**3 J**	**2 J**	**5 J**
1,1-Dichloroethene	5	< 5	< 5	< 5	**2 J**	**2 J**	< 5	**5 J**
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 13	< 10	< 10	< 10	< 10 J	< 10 J	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	**0.5 J**	**0.6 J**	**2 J**
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5 M	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**39**	**74**	**22**	**180 D**	**280 D**	**270 D**	**1500 D**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	**0.8 J**	**0.5 J**	**0.5 J**	**10 J**
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**4 J**	**7**	**3 J**	**51**	**28**	**12**	**78 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	**0.8 J**	**3**	**0.8 J**	**7**	**14**	**12**	**55 J**
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**43.8**	**84.0**	**25.8**	**247.8**	**328.0**	**297.1**	**1,655.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	NYSDEC SCGs	VP-105 115 - 120 7/31/2006	VP-105 125 - 130 7/31/2006	VP-105 135 - 140 7/31/2006	VP-105 145 - 150 7/28/2006	VP-105 155 - 160 7/28/2006	VP-105 165 - 170 7/28/2006	VP-106 49 - 54 6/30/2006
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	**0.7 J**	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10 B	< 10 B	< 10 B	< 10	< 10	< 10	**6 J**
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	**0.9 J**	**2 J**	**4 J**	**3 J**	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	**2 J**	**2 J**	< 5	**1 J**	**2 J**	**0.5 J**
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**310 D**	**30**	**11**	**220 D**	**34**	**2 J**	**30**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 B
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	**3 J**	**1 J**	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**14**	**12**	**8**	**14**	**13**	**6**	**6**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	**11**	**0.8 J**	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**335.7**	**45.7**	**23.0**	**241.0**	**52.0**	**10.0**	**42.5**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-106 55 - 60 6/30/2006	VP-106 65 - 70 6/30/2006	VP-106 75 - 80 6/30/2006	VP-106 85 - 90 6/30/2006	VP-106 95 - 100 6/29/2006	VP-106 105 - 110 6/29/2006	VP-106 115 - 120 6/29/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	**1 J**	**5 J**	**8**	**3 J**	< 5	< 5	< 5
1,1-Dichloroethene	5	**0.8 J**	**3 J**	**7**	**0.6 J**	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	**6 J**	< 10	< 10	< 10	< 10 B	< 10 B	< 10 B
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	**0.8 J**	**1 J**	**0.6 J**	**3 J**	**5 J**	**10**	**11**
Chloromethane	5	< 5	< 5	< 5	< 5	< 5 J	< 5	< 5 J
cis-1,2-dichloroethene	5	**140**	**610 D**	**1100 D**	**140**	**4 J**	**10**	**3 J**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5 B	< 5 B	< 5 B	< 5 B	< 5 B	< 5 JB	< 5 B
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	**0.4 J**	**0.5 J**	< 5	< 5	< 5	< 5
Toluene	5	**0.4 J**	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	**0.3 J**	**2 J**	**2 J**	**0.5 J**	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**25**	**85**	**130**	**41**	**4 J**	**9**	**7**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	**2 J**	**2 J**	**31**	**2 J**	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**176.3**	**708.4**	**1,279.1**	**190.1**	**13.0**	**29.0**	**21.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-107 45 - 50 7/25/2006	VP-107 55 - 60 7/25/2006	VP-107 65 - 70 7/25/2006	VP-107 75 - 80 7/25/2006	VP-107 85 - 90 7/25/2006	VP-107 95 - 100 7/21/2006	VP-107 105 - 110 7/21/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	**8 J**	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	**8 J**	**6 J**
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	**5**	**5 J**	**16**	**40**	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5 B	< 5 B
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**3 J**	**13**	**14**	**26**	**91**	< 5	**0.6 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**3.0**	**18.0**	**19.0**	**50.0**	**131.0**	**8.0**	**6.6**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-107 119 - 124 7/21/2006	VP-107 135 - 140 7/20/2006	VP-107 148 - 153 7/20/2006	VP-107 165 - 170 7/20/2006	VP-108 45 - 50 7/14/2006	VP-108 55 - 60 7/14/2006	VP-108 65 - 70 7/14/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	**5 J**	< 10	**8 J**	**7 J**	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	**0.3 J**	**0.3 J**	**1 J**	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5 J	< 5 J	< 5 J
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	**8**	**17**	**9**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5 B	< 5	< 5	< 5	< 5 B	< 5 B	< 5 B
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	**4 J**	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	**2 J**	**2 J**	**7**	**6**	**12**	**8**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		0	**2.3**	**7.3**	**12.0**	**22.0**	**36.0**	**17.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-108 75 - 80 7/14/2006	VP-108 85 - 90 7/14/2006	VP-108 95 - 100 7/14/2006	VP-108 105 - 110 7/13/2006	VP-108 115 - 120 7/13/2006	VP-108 125 - 130 7/13/2006	VP-108 (REP) 125 - 130 7/14/2006
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	**3 J**	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	**1 J**	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	**1 J**	< 5	**2 J**	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5 J	**8**	**10**	**12**	< 5 J	< 5 J
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**2 J**	**16**	**150**	**58**	**130**	**180 D**	**16**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	**3 J**	**13**	**6**	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5 B	< 5 B	< 5 B	< 5	< 5	< 5	< 5 B
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	**0.8 J**	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**2 J**	**16**	**110**	**62**	**110**	**370 D**	**12**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**4.0**	**32.0**	**268.0**	**134.0**	**265.0**	**562.8**	**28.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-108 135 - 140 7/13/2006	VP-108 145 - 150 7/13/2006	VP-108 155 - 160 7/12/2006	VP-108 165 - 170 7/12/2006	VP-109 44 - 49 2/5/2007	VP-109 55 - 60 2/5/2007	VP-109 65 - 70 2/5/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	**0.57 J**	**0.32 J**
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10 JB	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	**3.4 JB**
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	**0.3 J**	**0.5 J**	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5 J	< 5 J	< 5 J	**3 J**	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**26**	**18**	**25**	**49**	**18**	**38**	**22**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 10	< 10	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	**0.7 J**	< 5	**1.1 J**	**7.7**	**0.51 J**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**60**	**77**	**39**	**80**	**18**	**44**	**22**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**86.0**	**95.0**	**65.0**	**132.5**	**37.1**	**90.3**	**48.2**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-109 75 - 80 2/5/2007	VP-109 85 - 90 2/2/2007	VP-109 95 - 100 2/2/2007	VP-109 105 - 110 2/2/2007	VP-109 115 - 120 2/1/2007	VP-109 125 - 130 2/1/2007	VP-109 135 - 140 1/31/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 25	**0.41 J**	**0.42 J**	**0.73 J**	**1.1 J**
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 25	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	**0.24 J**	**1.7 J**	**4.9 DJ**	**6.3**	**6.3**	**8.6**	**12**
1,1-Dichloroethene	5	< 5	**0.91 J**	< 25	**2.7 J**	**2.7 J**	**3.9 J**	**5.9**
1,2-Dichloroethane	0.6	< 5	< 5	< 25	**0.63 J**	< 5	< 5	**3 J**
1,2-Dichloropropane	1	< 5	< 5	< 25	< 5	< 5	< 5	**0.56 J**
2-Butanone	50	< 10	< 10	< 50	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 50	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 50	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 50	< 10 JB	< 10 JB	< 10 JB	< 10 JB
Benzene	1	< 0.7	< 0.7	< 3.5	< 0.7	< 0.7	< 0.7	**0.24 J**
Bromodichloromethane	50	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	**0.23 J**	< 25	< 5	< 5	< 5	**0.21 J**
Chloroethane	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Chloroform	7	< 5	**1.4 J**	< 25	**1.9 J**	**1.8 J**	**2.6 J**	**3 J**
Chloromethane	5	< 5	< 5	< 25	< 5	< 5	< 5	**0.62 J**
cis-1,2-dichloroethene	5	**29**	**240 D**	**420 D**	**510 D**	**480 D**	**380 D**	**690 D**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	**2.3 DJ**	< 5	< 5	< 5 JB	< 5 JB
Styrene	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	**0.76 J**	< 25	**2.4 J**	**2.3 J**	**3.5 J**	**4.5 J**
Toluene	5	**0.8 J**	**0.79 J**	< 25	**2.8 J**	**3 J**	**3 J**	**7.1**
trans-1,2-dichloroethene	5	< 5	**0.62 J**	< 25	**1.8 J**	**1.7 J**	**2.6 J**	**2.1 J**
trans-1,3-dichloropropene	0.4	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Trichloroethylene	5	**27**	**120**	**200**	**220 D**	**300 D**	**150 D**	**680 D**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	**0.22 J**	< 10	**1.9 J**	**2.4**	**5**	**8.3**
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 25	< 5	< 5	< 5	< 5
TVOC		**57.0**	**366.6**	**627.2**	**750.8**	**800.6**	**559.9**	**1,418.6**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-109 145 - 150 1/31/2007	VP-109 155 - 160 1/31/2007	VP-109 165 - 170 1/30/2007	VP-109 175 - 180 1/30/2007	VP-109 185 - 190 1/30/2007	VP-109 195 - 200 1/29/2007	VP-109 205 - 210 1/29/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	**1.1 J**	< 5	< 50	< 50	< 100	**0.76 J**	**2 J**
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 50	< 50	< 100	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 50	< 50	< 100	**0.39 J**	**0.79 J**
1,1-Dichloroethane	5	**12**	**6.4**	**11 DJ**	**15 DJ**	**21 DJ**	**25**	**33**
1,1-Dichloroethene	5	**6.4**	**3.5 J**	**4.5 DJ**	**3 DJ**	< 100	**5.7**	**14**
1,2-Dichloroethane	0.6	**2.9 J**	**2.1 J**	< 50	< 50	< 100	**1.9 J**	**3.8 J**
1,2-Dichloropropane	1	**0.78 J**	< 5	< 50	< 50	< 100	**0.48 J**	**1.5 J**
2-Butanone	50	< 10	< 10	< 100	< 100	< 200	< 10	< 10
2-Hexanone	50	< 10	< 10	< 100	< 100	< 200	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 100	**1.8 DJ**	**5.6 DJ**	< 10	< 10
Acetone	50	< 10 JB	< 10 JB	< 100 JB	< 100 JB	< 200 JB	< 10 JB	< 10 JB
Benzene	1	**0.32 J**	< 0.7	< 7	< 7	< 14	< 0.7	**0.51 J**
Bromodichloromethane	50	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Bromoform	50	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Bromomethane	5	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	**0.28 J**	< 5	< 50	< 50	< 100	**0.96 J**	**0.53 J**
Chloroethane	5	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Chloroform	7	**2.7 J**	**1.7 J**	**4.4 DJ**	**5.5 DJ**	**2.9 DJ**	**6**	**4.1 J**
Chloromethane	5	**0.8 J**	< 5	< 50	< 50	< 100	< 5	< 5
cis-1,2-dichloroethene	5	**670 D**	**410 D**	**1200 D**	**1500 D**	**2000 D**	**2000 D**	**3400 D**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 50	< 50	< 100	**3.5 J**	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Methylene Chloride	5	< 5 JB	< 5 JB	< 50 JB	< 50 JB	< 100 JB	< 5 JB	< 5 JB
Styrene	5	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Tetrachloroethene	5	**4.5 J**	**3.9 J**	< 50	**2.5 DJ**	< 100	**6.4**	**8.7**
Toluene	5	**5.5**	**3.1 J**	**1.3 DJ**	< 50	< 100	**0.7 J**	**1.3 J**
trans-1,2-dichloroethene	5	**2.1 J**	**1.2 J**	< 50	**3.9 DJ**	< 100	**7**	**13**
trans-1,3-dichloropropene	0.4	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Trichloroethylene	5	**710 D**	**540 D**	**1200 D**	**1500 D**	**1700 D**	**1500 D**	**1800 D**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 50	< 50	< 100	< 5	**1.1 J**
Vinyl Acetate	NE	< 5	< 5	< 50	< 50	< 100	< 5	< 5
Vinyl Chloride	2	**9.1**	**5.3**	**5 DJ**	< 20	**11 DJ**	**6.2**	**47**
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 50	< 50	< 100	< 5	< 5
TVOC		**1,428.5**	**977.2**	**2,426.2**	**3,031.7**	**3,740.5**	**3,565.0**	**5,331.3**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-109 215 - 220 1/26/2007	VP-109 225 - 230 1/25/2007	VP-109 235 - 240 1/25/2007	VP-109 (REP) 235 - 240 1/25/2007	VP-109 247 - 252 1/24/2007	VP-109 255 - 260 1/24/2007	VP-109 265 - 270 1/23/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 100	< 250	< 250	< 250	**3.9 J**	**2.2 J**	< 250
1,1,2,2-Tetrachloroethane	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
1,1,2-Trichloroethane	1	< 100	< 250	< 250	< 250	**0.7 J**	**0.24 J**	< 250
1,1-Dichloroethane	5	**38 J**	**48 DJ**	**64 DJ**	**51 DJ**	**13**	**6.9**	**35 DJ**
1,1-Dichloroethene	5	**15 J**	**26 DJ**	**27 DJ**	**20 DJ**	**8.5**	**4.8 J**	**19 DJ**
1,2-Dichloroethane	0.6	**14 J**	**14 DJ**	**25 DJ**	**17 DJ**	**3.1 J**	**1.3 J**	< 250
1,2-Dichloropropane	1	< 100	< 250	< 250	< 250	< 5	< 5	< 250
2-Butanone	50	< 200	< 500	< 500	< 500	< 10	< 10	< 500
2-Hexanone	50	< 200	< 500	< 500	< 500	< 10	< 10	< 500
4-methyl-2-pentanone	50	< 200	< 500	**7.8 DJ**	< 500	< 10	< 10	< 500
Acetone	50	< 200 JB	< 500 JB	< 500 JB	< 500	< 10 JB	< 10 JB	< 500 JB
Benzene	1	< 14	< 35	< 35	< 35	< 0.7	< 0.7	< 35
Bromodichloromethane	50	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Bromoform	50	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Bromomethane	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Carbon Disulfide	60	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Carbon tetrachloride	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Chlorobenzene	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Chlorodifluoromethane (Freon 22)	NE	< 100	< 250	< 250	< 250	**0.27 J**	**0.23 J**	< 250
Chloroethane	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Chloroform	7	< 100	< 250	< 250	< 250	**3.2 J**	**2.1 J**	< 250
Chloromethane	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
cis-1,2-dichloroethene	5	**2700**	**2800 D**	**3200 D**	**3000 D**	**560 D**	**280 D**	**2500 D**
cis-1,3-dichloropropene	0.4	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Dibromochloromethane	50	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Dichlorodifluoromethane (Freon 12)	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Ethylbenzene	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Methylene Chloride	5	< 100 JB	< 250 JB	< 250 JB	< 250 JB	< 5 JB	< 5 JB	< 250 JB
Styrene	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Tetrachloroethene	5	**3.2 J**	< 250	< 250	< 250	**11**	**8.9**	< 250
Toluene	5	< 100 J	< 250	< 250	< 250	**1.3 J**	**0.45 J**	< 250
trans-1,2-dichloroethene	5	**12 J**	**21 DJ**	**22 DJ**	< 250	**1.9 J**	**1.1 J**	< 250
trans-1,3-dichloropropene	0.4	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Trichloroethylene	5	**2400**	**3900 D**	**5800 DJ**	**4200 DJ**	**2400 D**	**1300 D**	**5200 D**
Trichlorotrifluoroethane (Freon 113)	5	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Vinyl Acetate	NE	< 100	< 250	< 250	< 250	< 5	< 5	< 250
Vinyl Chloride	2	**44**	**38 DJ**	**27 DJ**	**39 DJ**	< 2	< 2	< 100
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 100	< 250	< 250	< 250	< 5	< 5	< 250
TVOC		**5,226.2**	**6,847.0**	**9,172.8**	**7,327.0**	**3,006.9**	**1,608.2**	**7,754.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-109 275 - 280 1/23/2007	VP-109 288 - 293 1/22/2007	VP-109R 302 5/1/2008	VP-109R 327 5/1/2008	VP-109R 337 5/2/2008	VP-109R 361 5/2/2008	VP-109R 382 5/5/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
1,1,2,2-Tetrachloroethane	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
1,1,2-Trichloroethane	1	< 100	< 250	< 25	< 5	< 10	< 130	< 10
1,1-Dichloroethane	5	**26 DJ**	**31 DJ**	< 25	< 5	< 10	< 130	< 10
1,1-Dichloroethene	5	**13 DJ**	**19 JD**	< 25	< 5	< 10	< 130	< 10
1,2-Dichloroethane	0.6	< 100	< 250	< 25	< 5	< 10	< 130	< 10
1,2-Dichloropropane	1	< 100	< 250	< 25	< 5	< 10	< 130	< 10
2-Butanone	50	< 200	< 500	< 250	< 50	< 100	< 1300	< 100
2-Hexanone	50	< 200	< 500	< 250	< 50	< 100	< 1300	< 100
4-methyl-2-pentanone	50	< 200	< 500	< 250	< 50	< 100	< 1300	< 100
Acetone	50	< 200 JB	< 500	< 250	< 50	< 100	< 1300	< 100
Benzene	1	< 14	< 35	< 3.5	< 0.7	< 1.4	< 18	< 1.4
Bromodichloromethane	50	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Bromoform	50	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Bromomethane	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Carbon Disulfide	60	< 100	< 250	< 250	< 50	< 100	< 1300	< 100
Carbon tetrachloride	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Chlorobenzene	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Chlorodifluoromethane (Freon 22)	NE	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Chloroethane	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Chloroform	7	< 100	< 250	< 35	< 7	< 14	< 180	< 14
Chloromethane	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
cis-1,2-dichloroethene	5	**1500 D**	**2200 D**	**360**	**36**	**26**	**220**	**17**
cis-1,3-dichloropropene	0.4	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Dibromochloromethane	50	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Dichlorodifluoromethane (Freon 12)	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Ethylbenzene	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Methylene Chloride	5	< 100 JB	< 250 JB	< 25	< 5	< 10	< 130	< 10
Styrene	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Tetrachloroethene	5	**2.4 DJ**	< 250	< 25	< 5	< 10	< 130	< 10
Toluene	5	**2.1 DJ**	< 250	< 25	< 5	< 10	< 130	< 10
trans-1,2-dichloroethene	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
trans-1,3-dichloropropene	0.4	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Trichloroethylene	5	**3900 D**	**5500 D**	**660**	**190**	**320**	**3600**	**370**
Trichlorotrifluoroethane (Freon 113)	5	< 100	< 250	< 25	< 5	< 10	< 130	< 10
Vinyl Acetate	NE	< 100	< 250	--	--	--	--	--
Vinyl Chloride	2	< 40	**8.2 JD**	< 10	< 2	< 4	< 50	< 4
Xylene-o	NE	--	--	< 25	< 5	< 10	< 130	< 10
Xylenes - m,p	NE	--	--	< 25	< 5	< 10	< 130	< 10
Xylene (total)	10	< 100	< 250	--	--	--	--	--
TVOC		**5,443.5**	**7,758.2**	**1,020.0**	**226.0**	**346.0**	**3,820.0**	**387.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-109R 402 5/5/2008	VP-109R 421 5/6/2008	VP-109R (REP) 421 5/6/2008	VP-109R 447 5/7/2008	VP-109R 461 5/7/2008	VP-109R 481 5/8/2008
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 10	< 25	< 25	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 10	< 25	< 25	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 10	< 25	< 25	< 5	< 5	< 5
1,1-Dichloroethane	5	< 10	< 25	< 25	< 5	< 5	< 5
1,1-Dichloroethene	5	< 10	< 25	< 25	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 10	< 25	< 25	< 5	< 5	< 5
1,2-Dichloropropane	1	< 10	< 25	< 25	< 5	< 5	< 5
2-Butanone	50	< 100	< 250	< 250	< 50	< 50	< 50
2-Hexanone	50	< 100	< 250	< 250	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 100	< 250	< 250	< 50	< 50	< 50
Acetone	50	< 100	< 250	< 250	< 50	< 50	< 50
Benzene	1	< 1.4	< 3.5	< 3.5	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 10	< 25	< 25	< 5	< 5	< 5
Bromoform	50	< 10	< 25	< 25	< 5	< 5	< 5
Bromomethane	5	< 10	< 25	< 25	< 5	< 5	< 5
Carbon Disulfide	60	< 100	< 250	< 250	< 50	< 50	< 50
Carbon tetrachloride	5	< 10	< 25	< 25	< 5	< 5	< 5
Chlorobenzene	5	< 10	< 25	< 25	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 10	< 25	< 25	< 5	< 5	< 5
Chloroethane	5	< 10	< 25	< 25	< 5	< 5	< 5
Chloroform	7	< 14	< 35	< 35	< 7	< 7	< 7
Chloromethane	5	< 10	< 25	< 25	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**15**	< 25	< 25	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 10	< 25	< 25	< 5	< 5	< 5
Dibromochloromethane	50	< 10	< 25	< 25	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 10	< 25	< 25	< 5	< 5	< 5
Ethylbenzene	5	< 10	< 25	< 25	< 5	< 5	< 5
Methylene Chloride	5	< 10	< 25	< 25	< 5	< 5	< 5
Styrene	5	< 10	< 25	< 25	< 5	< 5	< 5
Tetrachloroethene	5	< 10	< 25	< 25	< 5	**5.5**	< 5
Toluene	5	< 10	< 25	< 25	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 10	< 25	< 25	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 10	< 25	< 25	< 5	< 5	< 5
Trichloroethylene	5	**680 D**	**690**	**770**	**12**	**24**	**6.5**
Trichlorotrifluoroethane (Freon 113)	5	< 10	< 25	< 25	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--
Vinyl Chloride	2	< 4	< 10	< 10	< 2	< 2	< 2
Xylene-o	NE	< 10	< 25	< 25	< 5	< 5	< 5
Xylenes - m,p	NE	< 10	< 25	< 25	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--
TVOC		**695.0**	**690.0**	**770.0**	**12.0**	**29.5**	**6.5**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-109R 502 5/8/2008	VP-109R 521 5/9/2008	VP-110 40 - 45 2/22/2007	VP-110 45-50 2/22/2007	VP-110 50 - 55 2/22/2007	VP-110 60 - 65 2/21/2007	VP-110 70 - 75 2/21/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 50	< 50	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 50	< 50	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 50	< 50	< 10 JB	< 10 JB	< 10 JB	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5 JB	< 5 JB	< 5 JB	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	**0.22 J**	< 5	< 5	< 5
Toluene	5	< 5	< 5	**9.6**	**21**	**18**	**2.5 J**	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	**0.24 J**	**0.2 J**	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	--	--	--	--	--
Xylenes - m,p	NE	< 5	< 5	--	--	--	--	--
Xylene (total)	10	--	--	< 5	< 5	< 5	< 5	< 5
TVOC		0	0	**9.6**	**21.5**	**18.2**	**2.5**	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-110 80-85 2/21/2007	VP-110 90 - 95 2/21/2007	VP-110 100 - 105 2/21/2007	VP-110 110 - 115 2/20/2007	VP-110 120 - 125 2/20/2007	VP-110 140 - 145 2/20/2007	VP-110 150 - 155 2/20/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	**0.78 J**	**0.2 J**	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	**0.24 J**	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10 JB	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10 JB	< 10 JB	< 10 JB	< 10 JB
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5 JB	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5 JB	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	**0.19 J**	**0.34 J**
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5 J	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5 JB	< 5 JB	< 5 JB	< 5 JB
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	**0.56 J**	**0.53 J**	**0.98 J**	**0.97 J**	**0.49 J**	**2 J**	**0.87 J**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	**0.38 J**	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**0.6**	**0.5**	**1.0**	**1.0**	**1.5**	**2.8**	**1.2**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-110 160 - 165 2/20/2007	VP-110 170 - 175 2/16/2007	VP-110 180 - 185 2/16/2007	VP-110 (REP) 180 - 185 2/16/2007	VP-110 190 - 195 2/16/2007	VP-110 200 - 205 2/13/2007	VP-110 210 - 215 2/13/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	**0.52 J**	< 10
Acetone	50	< 10 JB	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5 JB	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	**0.34 J**	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5 JB	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	**0.31 J**	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	**0.98 J**	**0.33 J**	**0.77 J**	**0.75 J**	**0.65 J**	**1.2 J**	**1.3 J**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**1.6**	**0.3**	**0.8**	**0.8**	**0.7**	**1.7**	**1.3**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-110 220 - 225 2/13/2007	VP-110 230 - 235 2/9/2007	VP-110 240 - 245 2/9/2007	VP-110 250 - 255 2/7/2007	VP-110 260 - 265 2/7/2007	VP-110 270 - 275 2/7/2007	VP-110 283 - 288 2/6/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	**1.3 J**	**0.87 J**	**1.5 J**	**1.5 J**	**0.54 J**	**1.5 J**	**0.56 J**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	**0.39 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**1.3**	**0.9**	**1.5**	**1.5**	**0.5**	**1.5**	**1.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-110 295 - 300 2/6/2007	VP-110 325 - 330 2/5/2007	VP-110 333 - 338 2/5/2007	VP-110 344 - 349 2/1/2007	VP-110 315 - 350 2/6/2007	VP-110 352 - 357 2/1/2007	VP-110 362 - 367 1/31/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	**0.74 J**	**7.1**	**4.8 J**	< 5	**0.96 J**	**2.8 J**
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	**0.36 J**	**0.79 J**	**1.1 J**	< 5	**0.46 J**	**1.3 J**
1,1-Dichloroethene	5	< 5	**1.8 J**	**22**	**16**	**1.4 J**	**2.6 J**	**13**
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-methyl-2-pentanone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	**1.9 JB**	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	**0.96 J**	**0.61 J**	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	**0.47 J**	< 5	< 5	< 5	**0.4 J**
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	**0.49 J**	**0.46 J**	< 5	< 5 J	**0.79 J**
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	**4.6 J**	**5.4**	< 5	**0.23 J**	**5.6**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	**1.3 J**	**11**	**7.8**	**0.6 J**	**1.9 J**	**10**
Toluene	5	**1.2 J**	**1 J**	**1.3 J**	**0.32 J**	**0.77 J**	**0.73 J**	**0.23 J**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**2.3 J**	**8.5**	**43**	**47**	**6.8**	**13**	**51**
Trichlorotrifluoroethane (Freon 113)	5	< 5	**0.7 J**	**8.9**	**5.3**	< 5	**0.96 J**	**3.8 J**
Vinyl Acetate	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	--	--	--	--
Xylenes - m,p	NE	--	--	--	--	--	--	--
Xylene (total)	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**3.5**	**14.4**	**100.6**	**88.8**	**11.5**	**20.8**	**88.9**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-110 352 - 367 2/1/2007	VP-110 372 - 377 1/31/2007	VP-110 382 - 387 1/30/2007	VP-110R 384 7/8/2008	VP-110R 404 7/9/2008	VP-110R (REP) 404 7/9/2008
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	**0.99 J**	**0.48 J**	**1.4 J**	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	**0.4 J**	**0.33 J**	**3.9 J**	< 5	< 5	< 5
1,1-Dichloroethene	5	**3.3 J**	**1.4 J**	**6.3**	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	**0.79 J**	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 10	< 10	< 10	< 50	< 50	< 50
2-Hexanone	50	< 10	< 10	< 10	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 10	< 10	**0.18 J**	< 50	< 50	< 50
Acetone	50	< 10	< 10	< 10	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	**0.5 J**	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	**0.24 J**	< 5	**1.5 J**	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**0.35 J**	< 5	**59**	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	**2.2 J**	**1.4 J**	**11**	**12**	**7**	**6.7**
Toluene	5	**0.71 J**	**0.45 J**	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**14**	**6.8**	**120**	**19**	**7.5**	**7.3**
Trichlorotrifluoroethane (Freon 113)	5	**1.1 J**	**0.51 J**	**1.9 J**	< 5	< 5	< 5
Vinyl Acetate	NE	< 5	< 5	< 5	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	--	--	--	< 5	< 5	< 5
Xylenes - m,p	NE	--	--	--	< 5	< 5	< 5
Xylene (total)	10	< 5	< 5	< 5	--	--	--
TVOC		**23.3**	**11.4**	**206.5**	**31.0**	**14.5**	**14.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-110R 424 7/9/2008	VP-110R 444 7/9/2008	VP-110R 464 7/10/2008	VP-110R 489 7/11/2008	VP-110R 504 7/11/2008	VP-110R 524 7/11/2008	VP-110R 544 7/14/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	**10**	**11**	**10**	**9.7**	**5.9**	**14**	**6.1**
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**10**	**9.3**	**9.8**	**9.3**	**8.1**	**8.8**	**9**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**20.0**	**20.3**	**19.8**	**19.0**	**14.0**	**22.8**	**15.1**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-110R 569 7/14/2008	VP-110R 584 7/15/2008	VP-110R 604 7/15/2008	VP-110R 629 7/16/2008	VP-111 51 4/17/2007	VP-111 71 4/17/2007	VP-111 91 4/17/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	**13**	**12**	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**10**	**8.7**	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**23.0**	**20.7**	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-111 111 4/17/2007	VP-111 131 4/18/2007	VP-111 151 4/18/2007	VP-111 171 4/18/2007	VP-111 (REP) 171 4/18/2007	VP-111 191 4/19/2007	VP-111 211 4/19/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-111 231 4/19/2007	VP-111 251 4/19/2007	VP-111 271 4/20/2007	VP-111 291 4/20/2007	VP-111 311 4/20/2007	VP-111 331 4/20/2007	VP-111 351 4/23/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	**5.8**	**7.6**
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	**7.4**	**10**	**6.4**	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	**5.6**	**7.6**	**9.2**
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	**9.2**	**48**	**18**	**18**	**14**
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	**8**	**8.5**	**17**	**25**	**30**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	**24.6**	**66.5**	**47.0**	**56.4**	**60.8**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-111 371 4/23/2007	VP-111 391 4/24/2007	VP-111 411 4/24/2007	VP-111 431 4/24/2007	VP-111 451 4/24/2007	VP-111 471 4/25/2007	VP-111 491 4/25/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	**10**	**5.6**	< 10	< 25	< 250	< 250	< 25
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
1,1,2-Trichloroethane	1	< 5	< 5	< 10	< 25	< 250	< 250	< 25
1,1-Dichloroethane	5	< 5	**6.9**	< 10	< 25	< 250	< 250	< 25
1,1-Dichloroethene	5	**10**	**7.4**	< 10	< 25	< 250	< 250	< 25
1,2-Dichloroethane	0.6	< 5	< 5	< 10	< 25	< 250	< 250	< 25
1,2-Dichloropropane	1	< 5	< 5	< 10	< 25	< 250	< 250	< 25
2-Butanone	50	< 50	< 50	< 100	< 250	< 2500	< 2500	< 250
2-Hexanone	50	< 50	< 50	< 100	< 250	< 2500	< 2500	< 250
4-methyl-2-pentanone	50	< 50	< 50	< 100	< 250	< 2500	< 2500	< 250
Acetone	50	< 50	< 50	< 100	< 250	< 2500	< 2500	< 250
Benzene	1	< 0.7	< 0.7	< 1.4	< 3.5	< 35	< 35	< 3.5
Bromodichloromethane	50	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Bromoform	50	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Bromomethane	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Carbon Disulfide	60	< 50	< 50	< 100	< 250	< 2500	< 2500	< 250
Carbon tetrachloride	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Chlorobenzene	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Chloroethane	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Chloroform	7	< 7	< 7	< 14	< 35	< 350	< 350	< 35
Chloromethane	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
cis-1,2-dichloroethene	5	**23**	**65**	**130**	**300**	**1400**	**1200**	**55**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Dibromochloromethane	50	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Ethylbenzene	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Methylene Chloride	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Styrene	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Tetrachloroethene	5	**11**	**28**	**13**	< 25	< 250	< 250	< 25
Toluene	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
trans-1,2-dichloroethene	5	< 5	< 5	< 10	< 25	< 250	< 250	< 25
trans-1,3-dichloropropene	0.4	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Trichloroethylene	5	**55**	**160**	**240**	**520**	**9100**	**6500**	**1700 D**
Trichlorotrifluoroethane (Freon 113)	5	**5.1**	< 5	< 10	< 25	< 250	< 250	< 25
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 4	< 10	< 100	< 100	< 10
Xylene-o	NE	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Xylenes - m,p	NE	< 5	< 5	< 10	< 25	< 250	< 250	< 25
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**114.1**	**272.9**	**383.0**	**820.0**	**10,500.0**	**7,700.0**	**1,755.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-111 511 4/25/2007	VP-111 531 4/26/2007	VP-111 511 4/26/2007	VP-111 (REP) 551 4/26/2007	VP-111 571 4/27/2007	VP-111 591 4/27/2007	VP-111 616 4/30/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 13	< 10	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 13	< 10	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 13	< 10	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 130	< 100	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 130	< 100	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 130	< 100	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 130	< 100	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 1.8	< 1.4	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 130	< 100	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 18	< 14	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**13**	< 10	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**820 D**	**430 D**	**52**	**54**	< 5	< 5	**30**
Trichlorotrifluoroethane (Freon 113)	5	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 5	< 4	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 13	< 10	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**833.0**	**430.0**	**52.0**	**54.0**	0	0	**30.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-111 631 5/1/2007	VP-112 60 5/23/2007	VP-112 80 5/23/2007	VP-112 100 5/23/2007	VP-112 120 5/24/2007	VP-112 140 5/24/2007	VP-112 165 5/24/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	**5.4**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	**6.4**	< 5	**16**	**62**
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	**5.2**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	**6.4**	0	**16.0**	**72.6**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-112 185 5/30/2007	VP-112 200 5/30/2007	VP-112 220 5/31/2007	VP-112 240 5/31/2007	VP-112 (REP) 240 5/31/2007	VP-112 260 5/31/2007	VP-112 280 5/31/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**20**	< 5	**19**	**66**	**64**	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	**76**	**9.8**	**84**	**190**	**180**	**6.8**	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**20**	< 5	**19**	**56**	**55**	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	**5.9**	< 2	**4.1**	**5.2**	**5.1**	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**121.9**	**9.8**	**126.1**	**317.2**	**304.1**	**6.8**	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-112 300 6/1/2007	VP-112 320 6/1/2007	VP-112 340 6/1/2007	VP-112 360 6/4/2007	VP-112 380 6/4/2007	VP-112 410 6/5/2007	VP-112 420 6/6/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	**5.4**
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	0	**5.4**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-112 440 6/6/2007	VP-112 470 6/7/2007	VP-112 (REP) 470 6/7/2007	VP-112 480 6/7/2007	VP-112 500 6/7/2007	VP-112 520 6/7/2007	VP-112 545 6/8/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 50
1,1-Dichloroethane	5	**5.2**	**5.4**	**5.5**	**6.1**	**5.6**	< 5	< 50
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 50
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 50
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 500
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 500
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 500
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 500
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 500
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 70
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
cis-1,2-dichloroethene	5	< 5	**13**	**14**	**8.9**	**24**	**30**	**110**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Trichloroethylene	5	< 5	**86**	**86**	**26**	**40**	**260 D**	**760**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 20
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**5.2**	**104.4**	**105.5**	**41.0**	**69.6**	**290.0**	**870.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-112 560 6/8/2007	VP-112 580 6/8/2007	VP-112 600 6/11/2007	VP-112 620 6/13/2007	VP-112 640 6/13/2007	VP-112 660 6/14/2007	VP-112 680 6/14/2007
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
1,1,2-Trichloroethane	1	< 25	< 50	< 25	< 25	< 25	< 5	< 5
1,1-Dichloroethane	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
1,1-Dichloroethene	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
1,2-Dichloroethane	0.6	< 25	< 50	< 25	< 25	< 25	< 5	< 5
1,2-Dichloropropane	1	< 25	< 50	< 25	< 25	< 25	< 5	< 5
2-Butanone	50	< 250	< 500	< 250	< 250	< 250	< 50	< 50
2-Hexanone	50	< 250	< 500	< 250	< 250	< 250	< 50	< 50
4-methyl-2-pentanone	50	< 250	< 500	< 250	< 250	< 250	< 50	< 50
Acetone	50	< 250	< 500	< 250	< 250	< 250	< 50	< 50
Benzene	1	< 3.5	< 7	< 3.5	< 3.5	< 3.5	< 0.7	< 0.7
Bromodichloromethane	50	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Bromoform	50	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Bromomethane	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Carbon Disulfide	60	< 250	< 500	< 250	< 250	< 250	< 50	< 50
Carbon tetrachloride	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Chlorobenzene	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Chloroethane	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Chloroform	7	< 35	< 70	**45**	< 35	< 35	< 7	< 7
Chloromethane	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
cis-1,2-dichloroethene	5	**96**	**190**	**130**	**30**	< 25	< 5	< 5
cis-1,3-dichloropropene	0.4	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Dibromochloromethane	50	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Ethylbenzene	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Methylene Chloride	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Styrene	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Tetrachloroethene	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Toluene	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
trans-1,2-dichloroethene	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
trans-1,3-dichloropropene	0.4	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Trichloroethylene	5	**480**	**680**	**580**	**560**	**120**	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 10	< 20	< 10	< 10	< 10	< 2	< 2
Xylene-o	NE	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Xylenes - m,p	NE	< 25	< 50	< 25	< 25	< 25	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**576.0**	**870.0**	**755.0**	**590.0**	**120.0**	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-112 700 6/14/2007	VP-113 50 3/19/2008	VP-113 70 3/20/2008	VP-113 90 3/20/2008	VP-113 110 3/21/2008	VP-113 130 3/21/2008	VP-113 150 3/24/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
1,1,2,2-Tetrachloroethane	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
1,1,2-Trichloroethane	1	< 5	< 10	< 10	< 5	< 10	< 5	< 25
1,1-Dichloroethane	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
1,1-Dichloroethene	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
1,2-Dichloroethane	0.6	< 5	< 10	< 10	< 5	< 10	< 5	< 25
1,2-Dichloropropane	1	< 5	< 10	< 10	< 5	< 10	< 5	< 25
2-Butanone	50	< 50	< 100	< 100	< 50	< 100	< 50	< 250
2-Hexanone	50	< 50	< 100	< 100	< 50	< 100	< 50	< 250
4-methyl-2-pentanone	50	< 50	< 100	< 100	< 50	< 100	< 50	< 250
Acetone	50	< 50	< 100	< 100	< 50	< 100	< 50	< 250
Benzene	1	< 0.7	< 1.4	< 1.4	< 0.7	< 1.4	< 0.7	< 3.5
Bromodichloromethane	50	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Bromoform	50	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Bromomethane	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Carbon Disulfide	60	< 50	< 100	< 100	< 50	< 100	< 50	< 250
Carbon tetrachloride	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Chlorobenzene	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Chlorodifluoromethane (Freon 22)	NE	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Chloroethane	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Chloroform	7	< 7	< 14	< 14	< 7	< 14	< 7	< 35
Chloromethane	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
cis-1,2-dichloroethene	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
cis-1,3-dichloropropene	0.4	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Dibromochloromethane	50	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Dichlorodifluoromethane (Freon 12)	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Ethylbenzene	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Methylene Chloride	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Styrene	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Tetrachloroethene	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Toluene	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
trans-1,2-dichloroethene	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
trans-1,3-dichloropropene	0.4	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Trichloroethylene	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 4	< 4	< 2	< 4	< 2	< 10
Xylene-o	NE	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Xylenes - m,p	NE	< 5	< 10	< 10	< 5	< 10	< 5	< 25
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-113 170 3/24/2008	VP-113 190 3/24/2008	VP-113 210 3/25/2008	VP-113 230 3/25/2008	VP-113 250 3/25/2008	VP-113 270 3/26/2008	VP-113 290 3/26/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
1,1,2-Trichloroethane	1	< 10	< 5	< 5	< 5	< 25	< 5	< 5
1,1-Dichloroethane	5	< 10	< 5	< 5	< 5	< 25	**5.9**	< 5
1,1-Dichloroethene	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
1,2-Dichloroethane	0.6	< 10	< 5	< 5	< 5	< 25	< 5	< 5
1,2-Dichloropropane	1	< 10	< 5	< 5	< 5	< 25	< 5	< 5
2-Butanone	50	< 100	< 50	< 50	< 50	< 250	< 50	< 50
2-Hexanone	50	< 100	< 50	< 50	< 50	< 250	< 50	< 50
4-methyl-2-pentanone	50	< 100	< 50	< 50	< 50	< 250	< 50	< 50
Acetone	50	< 100	< 50	< 50	< 50	< 250	< 50	< 50
Benzene	1	< 1.4	< 0.7	< 0.7	< 0.7	< 3.5	< 0.7	< 0.7
Bromodichloromethane	50	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Bromoform	50	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Bromomethane	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Carbon Disulfide	60	< 100	< 50	< 50	< 50	< 250	< 50	< 50
Carbon tetrachloride	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Chlorobenzene	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Chloroethane	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Chloroform	7	< 14	< 7	< 7	< 7	< 35	< 7	< 7
Chloromethane	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
cis-1,2-dichloroethene	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
cis-1,3-dichloropropene	0.4	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Dibromochloromethane	50	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Ethylbenzene	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Methylene Chloride	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Styrene	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Tetrachloroethene	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Toluene	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
trans-1,2-dichloroethene	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
trans-1,3-dichloropropene	0.4	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Trichloroethylene	5	< 10	< 5	< 5	< 5	< 25	**8**	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 4	< 2	< 2	< 2	< 10	< 2	< 2
Xylene-o	NE	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Xylenes - m,p	NE	< 10	< 5	< 5	< 5	< 25	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	**13.9**	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-113 310 3/28/2008	VP-113 330 3/28/2008	VP-113 350 3/28/2008	VP-113 370 3/31/2008	VP-113 410 3/31/2008	VP-113 417 4/1/2008	VP-113 421 4/1/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 10	< 10	< 10	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 10	< 10	< 10	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 10	< 10	< 10	< 5	< 5	< 5	< 5
2-Butanone	50	< 100	< 100	< 100	< 50	< 50	< 50	< 50
2-Hexanone	50	< 100	< 100	< 100	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 100	< 100	< 100	< 50	< 50	< 50	< 50
Acetone	50	< 100	< 100	< 100	< 50	< 50	< 50	< 50
Benzene	1	< 1.4	< 1.4	< 1.4	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Bromoform	50	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Bromomethane	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 100	< 100	< 100	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Chloroethane	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Chloroform	7	< 14	< 14	< 14	< 7	< 7	< 7	< 7
Chloromethane	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Styrene	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Toluene	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 4	< 4	< 4	< 2	< 2	< 2	< 2
Xylene-o	NE	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 10	< 10	< 10	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-113 431 4/2/2008	VP-113 436 4/2/2008	VP-113 441 4/2/2008	VP-113 462 4/3/2008	VP-113 492 4/4/2008	VP-113 (REP) 492 3/24/2008	VP-114 59 5/16/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 11	< 25	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 11	< 25	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 11	< 25	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 110	< 250	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 110	< 250	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 110	< 250	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 110	< 250	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 1.6	< 3.5	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 110	< 250	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 16	< 35	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 4.5	< 10	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 11	< 25	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-114 74 5/19/2008	VP-114 94 5/19/2008	VP-114 114 5/19/2008	VP-114 134 5/19/2008	VP-114 154 5/20/2008	VP-114 174 5/20/2008	VP-114 194 5/20/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-114 214 5/22/2008	VP-114 234 5/22/2008	VP-114 259 5/27/2008	VP-114 (REP) 259 5/27/2008	VP-114 274 5/27/2008	VP-114 294 5/28/2008	VP-114 314 5/28/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-114 339 5/28/2008	VP-114 354 5/29/2008	VP-114 379 6/2/2008	VP-114 394 6/2/2008	VP-114 419 6/3/2008	VP-114 449 6/4/2008	VP-114 474 6/5/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-114 494 6/5/2008	VP-115 82 6/5/2008	VP-115 102 6/6/2008	VP-115 122 6/6/2008	VP-115 (REP) 122 6/6/2008	VP-115 142 6/6/2008	VP-115 162 6/9/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-115 182 6/9/2008	VP-115 202 6/9/2008	VP-115 222 6/10/2008	VP-115 242 6/10/2008	VP-115 262 6/10/2008	VP-115 282 6/11/2008	VP-115 302 6/11/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	**6.6**	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	**6.9**	**9.8**	**8.3**	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	**6.9**	**16.4**	**8.3**	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-115 322 6/11/2008	VP-115 342 6/12/2008	VP-115 362 6/12/2008	VP-115 382 6/13/2008	VP-115 402 6/13/2008	VP-115 422 6/16/2008	VP-115 442 6/16/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	**9.6**	< 5	**8.5**
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	**6.6**	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**6.9**	**6.2**	< 5	**7.2**	**9.4**	**6.5**	**7.6**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**6.9**	**6.2**	0	**13.8**	**19.0**	**6.5**	**16.1**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-115 462 6/17/2008	VP-115 482 6/17/2008	VP-115 502 6/18/2008	VP-115 522 6/18/2008	VP-115 527 6/19/2008	VP-115 542 6/19/2008	VP-115 562 6/20/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	**9.1**	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**7**	**6.3**	**6.5**	< 5	**6.6**	< 5	**6**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**7.0**	**15.4**	**6.5**	0	**6.6**	0	**6.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-115 582 6/20/2008	VP-115 602 6/23/2008	VP-116 54 3/4/2008	VP-116 74 3/4/2008	VP-116 94 3/4/2008	VP-116 114 3/5/2008	VP-116 134 3/5/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	**16**	**19**
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**7.8**	**8.6**	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**7.8**	**8.6**	0	0	0	**16.0**	**19.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-116 154 3/5/2008	VP-116 179 3/6/2008	VP-116 194 3/6/2008	VP-116 214 3/7/2008	VP-116 (REP) 214 3/7/2008	VP-116 243 3/7/2008	VP-116 245 3/7/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 25	< 20	< 10	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 25	< 20	< 10	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 25	< 20	< 10	< 5
2-Butanone	50	< 50	< 50	< 50	< 250	< 200	< 100	< 50
2-Hexanone	50	< 50	< 50	< 50	< 250	< 200	< 100	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 250	< 200	< 100	< 50
Acetone	50	< 50	< 50	< 50	< 250	< 200	< 100	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 3.5	< 2.8	< 1.4	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Bromoform	50	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Bromomethane	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 250	< 200	< 100	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	**5.4**	< 25	< 20	< 10	< 5
Chloroethane	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Chloroform	7	< 7	< 7	< 7	< 35	< 28	< 14	< 7
Chloromethane	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
cis-1,2-dichloroethene	5	< 5	< 5	**43**	**200**	**200**	**150**	**8.6**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	**11**	< 25	< 20	< 10	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Styrene	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Tetrachloroethene	5	**36**	**27**	**81**	**620**	**630**	**620 D**	**100**
Toluene	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Trichloroethylene	5	< 5	< 5	**38**	**140**	**140**	**110**	**18**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	**14**	**51**	**53**	**29**	**2.5**
Xylene-o	NE	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 25	< 20	< 10	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**36.0**	**27.0**	**192.4**	**1,011.0**	**1,023.0**	**909.0**	**129.1**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-116 274 3/10/2008	VP-116 294 3/10/2008	VP-116 314 3/11/2008	VP-116 334 3/11/2008	VP-116 369 3/12/2008	VP-116 374 3/12/2008	VP-116 394 3/13/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	**5.4**
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**32**	**23**	**79**	**22**	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	**26**	**140**	**300 D**	**85**	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**16**	**30**	**73**	**23**	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	**7.3**	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**81.3**	**193.0**	**452.0**	**130.0**	0	0	**5.4**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-116 414 3/13/2008	VP-116 434 3/13/2008	VP-116 454 3/14/2008	VP-116 474 3/14/2008	VP-116 494 3/14/2008	VP-116 514 3/17/2008	VP-116 544 3/18/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 13
1,1-Dichloroethane	5	< 5	**5.8**	**5.6**	**5.6**	< 5	< 5	< 13
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	**6.4**	< 13
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	**16**	< 13
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 13
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 130
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 130
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 130
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 130
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 1.8
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50	< 130
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Chloroform	7	< 7	< 7	< 7	< 7	< 7	**23**	< 18
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
cis-1,2-dichloroethene	5	< 5	< 5	< 5	**5.6**	< 5	**61**	**33**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Trichloroethylene	5	< 5	< 5	< 5	< 5	**18**	**470 D**	**330**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 5
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 13
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	**5.8**	**5.6**	**11.2**	**18.0**	**576.4**	**363.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-116 554 3/18/2008	VP-116 574 3/18/2008	VP-116 594 3/19/2008	VP-116 614 3/19/2008	VP-116 634 3/20/2008	VP-116 659 3/21/2008	VP-116 674 3/21/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
1,1,2,2-Tetrachloroethane	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
1,1,2-Trichloroethane	1	< 10	< 50	< 5	< 13	< 5	< 10	< 5
1,1-Dichloroethane	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
1,1-Dichloroethene	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
1,2-Dichloroethane	0.6	< 10	< 50	**6.9**	< 13	< 5	< 10	< 5
1,2-Dichloropropane	1	< 10	< 50	< 5	< 13	< 5	< 10	< 5
2-Butanone	50	< 100	< 500	< 50	< 130	< 50	< 100	< 50
2-Hexanone	50	< 100	< 500	< 50	< 130	< 50	< 100	< 50
4-methyl-2-pentanone	50	< 100	< 500	< 50	< 130	< 50	< 100	< 50
Acetone	50	< 100	< 500	< 50	< 130	< 50	< 100	< 50
Benzene	1	< 1.4	< 7	< 0.7	< 1.8	< 0.7	< 1.4	< 0.7
Bromodichloromethane	50	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Bromoform	50	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Bromomethane	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Carbon Disulfide	60	< 100	< 500	< 50	< 130	< 50	< 100	< 50
Carbon tetrachloride	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Chlorobenzene	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Chlorodifluoromethane (Freon 22)	NE	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Chloroethane	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Chloroform	7	**22**	< 70	**20**	< 18	< 7	< 14	< 7
Chloromethane	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
cis-1,2-dichloroethene	5	**51**	**140**	**120**	**31**	< 5	< 10	< 5
cis-1,3-dichloropropene	0.4	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Dibromochloromethane	50	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Dichlorodifluoromethane (Freon 12)	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Ethylbenzene	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Methylene Chloride	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Styrene	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Tetrachloroethene	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Toluene	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
trans-1,2-dichloroethene	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
trans-1,3-dichloropropene	0.4	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Trichloroethylene	5	**250**	**1900**	**910 D**	**460**	**28**	**43**	**8.5**
Trichlorotrifluoroethane (Freon 113)	5	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 4	< 20	< 2	< 5	< 2	< 4	< 2
Xylene-o	NE	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Xylenes - m,p	NE	< 10	< 50	< 5	< 13	< 5	< 10	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**323.0**	**2,040.0**	**1,056.9**	**491.0**	**28.0**	**43.0**	**8.5**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-116 699 3/24/2008	VP-117 54 12/9/2008	VP-117 104 12/9/2008	VP-117 (REP) 104 12/9/2008	VP-117 154 12/10/2008	VP-117 204 12/10/2008
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
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	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--
TVOC		0	0	0	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-117 254 12/10/2008	VP-117 304 12/11/2008	VP-117 329 12/11/2008	VP-117 349 12/12/2008	VP-117 374 12/12/2008	VP-117 394 12/13/2008
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
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	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	**5.4**	**5**	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	**89**	**61**	**110**	**210 D**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	**7.4**
Vinyl Acetate	NE	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--
TVOC		0	0	**94.4**	**66.0**	**110.0**	**217.4**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-117 414 12/15/2008	VP-117 434 12/15/2008	VP-117 454 12/16/2008	VP-117 479 12/17/2008	VP-117 499 12/17/2008	VP-117 529 12/18/2008
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
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	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**190 D**	**74**	**91**	**39**	**95**	**130**
Trichlorotrifluoroethane (Freon 113)	5	**7.9**	**5**	**6.2**	**6.8**	**9.8**	**6.3**
Vinyl Acetate	NE	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--
TVOC		**197.9**	**79.0**	**97.2**	**45.8**	**104.8**	**136.3**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-117 549 12/19/2008	VP-117 569 12/19/2008	VP-117 589 12/19/2008	VP-117 614 12/22/2008	VP-117 634 12/23/2008	VP-117 649 12/23/2008
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
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	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 7	< 7	< 7	< 7	< 7
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**15**	**36**	**9.4**	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--
TVOC		**15.0**	**36.0**	**9.4**	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-117 679 12/27/2008	VP-117 714 1/7/2009	VP-117 729 1/8/2009	VP-117 764 1/12/2009	VP-118 54 4/9/2009	VP-118 104 4/9/2009	VP-118 154 4/10/2009
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50 B	< 50 B	< 50 B
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 7	< 5	< 5	< 5	**0.38 J**	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 B
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	0	**0.4**	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-118 209 4/13/2009	VP-118 (REP) 209 4/13/2009	VP-118 259 4/13/2009	VP-118 314 4/14/2009	VP-118 339 4/15/2009	VP-118 359 4/15/2009	VP-118 384 4/15/2009
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	**0.4 J**	< 5	**1.2 J**	**0.93 J**
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	**0.32 J**	**0.4 J**
1,1-Dichloroethene	5	< 5	< 5	< 5	**0.72 J**	< 5	**1 J**	**1.6 J**
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	**0.63 J**
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	**0.56 J**	**0.55 J**
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	**0.43 J**	**0.41 J**
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	**0.81 J**	**0.38 J**	**1 J**	**1.7 J**
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	**0.94 J**	< 5	**0.88 J**	**0.92 J**
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	**2.2 J**	**2.6 J**	< 5	< 5	**1 J**
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	**34**	**79**	< 5 B	**62**	**130**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	**0.49 J**	**3.9 J**	**1.2 J**	**5.8**	**7.9**
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	**36.7**	**88.4**	**1.6**	**73.2**	**146.0**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-118 409 4/16/2009	VP-118 429 4/16/2009	VP-118 454 4/17/2009	VP-118 494 4/20/2009	VP-118 (REP) 494 4/20/2009	VP-118 514 4/22/2009	VP-118 534 4/22/2009
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	**1.1 J**	**0.79 J**	**0.92 J**	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	**0.41 J**	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	**1.7 J**	**1.3 J**	**1.9 J**	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50	**3.7**
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	B	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	**0.45 J**	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	**0.54 J**	**0.54 J**	**0.78 J**	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	**0.5 J**	**0.42 J**	**0.66 J**	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**0.62 J**	**0.69 J**	**1.8 J**	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	**1.3 J**	**1.3 J**	**0.93 J**	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5 B	< 5	**1.1**	**0.79**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**15**	< 5 B	**89**	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	**7.1**	**5.6**	**8.4**	< 5	< 5	**0.76**	**0.76**
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**27.9**	**10.6**	**105.3**	0	0	**1.9**	**5.3**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-118 574 4/23/2009	VP-118 614 4/24/2009	VP-118 619 4/24/2009	VP-118 639 4/27/2009	VP-118 659 4/27/2009	VP-118 679 4/28/2009	VP-118 699 4/28/2009
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	**1.3 J**	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	**0.31 J**	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	**0.34 J**	< 5	< 5	< 5
Chloromethane	5	< 5	**0.45 J**	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**0.41 J**	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5 B	< 5 B	< 5 B	< 5	**0.39 J**	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	**0.48 J**	< 5	< 5	**0.46 J**
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**0.4**	**2.1**	0	**0.8**	**0.4**	0	**0.5**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-118 729 4/29/2009	VP-118 769 5/4/2009	VP-118 794 5/5/2009	VP-119 54 6/18/2009	VP-119 104 6/18/2009	VP-119 159 6/19/2009	VP-119 209 6/22/2009
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	**0.36 J**	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	**0.9 J**
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50	< 50 B
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5 B
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	**0.35 J**
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	**0.46 J**	< 5	< 5	**0.31 J**
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	**0.44 J**
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	**0.31 J**	**0.51 J**	**0.62 J**	**1.9 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	0	0	**1.1**	**0.5**	**0.6**	**3.9**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-119 259 6/22/2009	VP-119 309 6/23/2009	VP-119 359 6/23/2009	VP-119 409 6/23/2009	VP-119 429 6/25/2009	VP-119 454 6/25/2009	VP-119 484 6/26/2009
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	**110**	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	**0.96 J**	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	**4 J**	**1.8 J**	**0.9 J**	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	**110**	**0.47 J**	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	**0.58 J**	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	**0.49 J**	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**1.2 J**	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	**35**	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	**1.5 J**	< 5	**0.55 J**	**0.4 J**	< 5	< 5	< 5
trans-1,2-dichloroethene	5	**0.82 J**	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**8.2**	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	**0.52 J**	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		**273.3**	**2.3**	**1.5**	**0.4**	0	0	0

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-119 504 6/26/2009	VP-119 524 6/26/2009	VP-119 554 6/29/2009	VP-119 569 6/30/2009	VP-119 (REP) 569 6/30/2009	VP-119 589 6/30/2009
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5
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 B	< 50 B	< 50 B	**12 BJ**	< 50 B
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	**0.4 J**	**0.39 J**
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--
TVOC		0	0	0	0	**12.4**	**0.4**

Notes and abbreviations on last page.

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Depth (ft bls): / Sample Date:	VP-119 649 7/2/2009	VP-119 689 7/7/2009	VP-119 709 7/7/2009	VP-119 729 7/8/2009	VP-119 774 7/9/2009	VP-119 794 7/9/2009	VP-119 804 7/10/2009
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B	< 50 B
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5 B	< 5	< 5	< 5	< 5	< 5 B
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	5	< 5	**0.59 J**	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	5	< 5	< 5 B	< 5 B	< 5	**0.54 J**	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Acetate	NE	--	--	--	--	--	--	--
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylene (total)	10	--	--	--	--	--	--	--
TVOC		0	**0.6**	0	0	**0.5**	0	0

Notes and abbreviations on last page.

ARCADIS

Table 4. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Notes and Abbreviations:

1. Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006).
2. Samples analyzed for the TCL VOCs using NYSDEC ASP 2000 Method OLM4.2.

Indicates an exceedance of an SCG

Bold value indicates a detection

RI/FS	Remedial Investigation/Feasibility Study
NYSDEC	New York State Department of Environmental Conservation
TCL	Target compound list
VOC	Volatile organic compound
ASP	Analytical services protocol
SCGs	Standard, criteria, and guidance values
ft bls	Feet below land surface
ug/L	Micrograms per liter
TVOC	Total volatile organic compounds
NE	Not established
REP	Field replicate
J	Value is estimated
D	Value from a secondary dilution
--	Not analyzed
B	Compound detected in associated blank sample

Table 5. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Monitoring Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: Sample Date:	GM-15S 7/15/2009	GM-15S (REP) 7/15/2009	GM-15I 7/7/2009	GM-15D 7/7/2009	GM-15D2 7/7/2009	HN-40S 7/14/2009	HN-40I 7/14/2009	HN-42S 7/8/2009
	NYSDEC SCGs								
1,1,1-Trichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	< 5	< 5	< 5	< 5	**0.8 J**	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50	< 50	< 50	< 50	< 50 B	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 5 J	< 5 J	< 5 J	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 5	< 5	**1.4 J**	< 5	< 5	< 5
Chloroethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	< 5	**0.36 J**	< 5	**0.47 J**	**0.88 J**	< 5
Chloromethane	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	**0.37 J**	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 5	**0.55 J**	**10**	< 5	< 5	< 5
Toluene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	5	**2.8 J**	**2.7 J**	**3.6 J**	**1.3 J**	**10**	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 5	< 5	**1.3 J**	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
TVOC		**2.8**	**2.7**	**3.6**	**2.2**	**23.9**	**0.5**	**0.9**	0

Notes and abbreviations on last page.

Table 5. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Monitoring Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: Sample Date:	HN-42I 7/8/2009	MW-100-1 7/9/2009	MW-100-2 7/9/2009	MW-100-3 7/9/2009	MW-102-1 7/17/2009	MW-107-1 7/13/2009	MW-108-1 7/13/2009
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 5	< 5	< 25	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 5	< 5	**6.9 J**	**0.43 J**	**0.42 J**	**1.1 J**	< 5
1,1-Dichloroethene	5	< 5	< 5	**3.5 J**	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	< 5	< 5	< 25	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 5	< 5	< 25	< 5	< 5	< 5	< 5
2-Butanone	50	< 50	< 50	< 250	< 50	< 50	< 50	< 50
2-Hexanone	50	< 50	< 50	< 250	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 50	< 50	< 250	< 50	< 50	< 50	< 50
Acetone	50	< 50	< 50 J	< 250 B	< 50	< 50	< 50	< 50
Benzene	1	< 0.7	< 0.7	< 3.5	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Bromoform	50	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Bromomethane	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 5	< 5	< 25	**0.66 J**	< 5	< 5	**1.1 J**
Chloroethane	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Chloroform	7	< 5	< 5	**8.8 J**	**2.4 J**	**0.73 J**	**0.92 J**	< 5
Chloromethane	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**7.4**	**0.38 J**	**1300 D**	**2.2 J**	< 5	**51**	< 5
cis-1,3-dichloropropene	0.4	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Styrene	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 5	< 5	< 25	**2.3 J**	< 5	**1.1 J**	< 5
Toluene	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	< 5	< 5	**6.5 J**	< 5	< 5	**0.8 J**	< 5
trans-1,3-dichloropropene	0.4	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Trichloroethylene	5	**20**	< 5	**150**	**64**	**0.51 J**	**110**	**0.43 J**
Trichlorotrifluoroethane (Freon 113)	5	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 2	< 2	**35**	< 2	< 2	< 2	< 2
Xylene-o	NE	< 5	< 5	< 25	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 5	< 5	< 25	< 5	< 5	< 5	< 5
TVOC		**27.4**	**0.4**	**1,510.7**	**72.0**	**1.7**	**164.9**	**1.5**

Notes and abbreviations on last page.

Table 5. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Monitoring Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: Sample Date:	MW-109-3 4/14/2009	MW-109-3 7/8/2009	MW-111-4 5/6/2008	MW-111-4 7/15/2009	MW-116-5 4/11/2008	MW-116-5 9/29/2008	MW-116-5 12/29/2008
	NYSDEC SCGs							
1,1,1-Trichloroethane	5	**1.8 J**	< 50	< 250	**9 J**	< 50	< 50	< 50
1,1,2,2-Tetrachloroethane	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
1,1,2-Trichloroethane	1	< 25	< 50	< 250	< 100	< 50	< 50	< 50
1,1-Dichloroethane	5	**18 J**	**16 J**	< 250	**35 J**	< 50	< 50	< 50
1,1-Dichloroethene	5	**7.4 J**	**5.7 J**	< 250	**26 J**	< 50	< 50	< 50
1,2-Dichloroethane	0.6	**6.4 J**	**4.5 J**	< 250	**27 J**	< 50	< 50	< 50
1,2-Dichloropropane	1	< 25	< 50	< 250	< 100	< 50	< 50	< 50
2-Butanone	50	< 250	< 500	< 2500	< 1000	< 500	< 500	< 500
2-Hexanone	50	< 250	< 500	< 2500	< 1000	< 500	< 500	< 500
4-methyl-2-pentanone	50	< 250	< 500	< 2500	< 1000	< 500	< 500	< 500
Acetone	50	< 250	< 500 B	< 2500	< 1000	< 500	< 500	< 500
Benzene	1	< 3.5	< 7	< 35	< 14	< 7	< 7	< 7
Bromodichloromethane	50	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Bromoform	50	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Bromomethane	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Carbon Disulfide	60	< 25	< 50	< 2500	< 100	< 500	< 500	< 500
Carbon tetrachloride	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Chlorobenzene	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Chlorodifluoromethane (Freon 22)	NE	**2.2 J**	< 50	< 250	< 100	< 50	< 50	< 50
Chloroethane	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Chloroform	7	**7 J**	**4.5 J**	< 350	**9.6 J**	< 70	< 70	< 70
Chloromethane	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
cis-1,2-dichloroethene	5	**1100 D**	**1000**	**1500**	**1600**	**130**	**140**	**150**
cis-1,3-dichloropropene	0.4	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Dibromochloromethane	50	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Dichlorodifluoromethane (Freon 12)	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Ethylbenzene	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Methylene Chloride	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Styrene	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Tetrachloroethene	5	**9.1 J**	**5.9 J**	< 250	**8.8 J**	< 50	< 50	< 50
Toluene	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
trans-1,2-dichloroethene	5	**3.9 J**	**4 J**	< 250	< 100	< 50	< 50	< 50
trans-1,3-dichloropropene	0.4	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Trichloroethylene	5	**2300 D**	**1200**	**8800**	**5100 D**	**1100**	**1300**	**1100**
Trichlorotrifluoroethane (Freon 113)	5	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Vinyl Chloride	2	**2.1 J**	**4.6 J**	< 100	< 40	< 20	< 20	< 20
Xylene-o	NE	< 25	< 50	< 250	< 100	< 50	< 50	< 50
Xylenes - m,p	NE	< 25	< 50	< 250	< 100	< 50	< 50	< 50
TVOC		**3,457.9**	**2,245.2**	**10,300.0**	**6,815.4**	**1,230.0**	**1,440.0**	**1,250.0**

Notes and abbreviations on last page.

Table 5. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Monitoring Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Date:	MW-116-5 3/31/2009	MW-116-5 7/22/2009	MW-117 2/11/2009	MW-117-5 7/20/2009	MW-118 5/21/2009	MW-118-5 7/21/2009
	NYSDEC SCGs						
1,1,1-Trichloroethane	5	< 50	< 50	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	5	< 50	< 50	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	1	< 50	< 50	< 5	< 5	< 5	< 5
1,1-Dichloroethane	5	< 50	< 50	< 5	< 5	< 5	< 5
1,1-Dichloroethene	5	**3.7 J**	< 50	< 5	< 5	< 5	< 5
1,2-Dichloroethane	0.6	**15 J**	**6.5 J**	< 5	< 5	< 5	< 5
1,2-Dichloropropane	1	< 50	< 50	< 5	< 5	< 5	< 5
2-Butanone	50	< 500	< 500	< 50	< 50	< 50	< 50
2-Hexanone	50	< 500	< 500	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	50	< 500	< 500	< 50	< 50	< 50	< 50
Acetone	50	< 500	< 500	< 50	< 50	< 50	< 50 B
Benzene	1	< 7	< 7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	50	< 50	< 50	< 5	< 5	< 5	< 5
Bromoform	50	< 50	< 50	< 5	< 5	< 5	< 5
Bromomethane	5	< 50	< 50	< 5	< 5	< 5	< 5
Carbon Disulfide	60	< 50	< 50	< 5	< 5	< 5	< 5
Carbon tetrachloride	5	< 50	< 50	< 5	< 5	< 5	< 5
Chlorobenzene	5	< 50	< 50	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	NE	< 50	< 50	< 5	< 5	< 5	< 5
Chloroethane	5	< 50	< 50	< 5	< 5	< 5	< 5
Chloroform	7	**34 J**	**15 J**	< 5	< 5	< 5	< 5
Chloromethane	5	< 50	< 50	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	5	**210**	**130**	< 5	< 5	< 5	< 5
cis-1,3-dichloropropene	0.4	< 50	< 50	< 5	< 5	< 5	< 5
Dibromochloromethane	50	< 50	< 50	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	5	< 50	< 50	< 5	< 5	< 5	< 5
Ethylbenzene	5	< 50	< 50	< 5	< 5	< 5	< 5
Methylene Chloride	5	< 50	< 50	< 5	< 5	< 5	< 5
Styrene	5	< 50	< 50	< 5	< 5	< 5	< 5
Tetrachloroethene	5	< 50	< 50	< 5	< 5	< 5	< 5
Toluene	5	< 50	< 50	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	5	**5.6 J**	< 50	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	0.4	< 50	< 50	< 5	< 5	< 5	< 5
Trichloroethylene	5	**1200**	**1100**	< 5	**0.71 J**	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	5	< 50	< 50	< 5	< 5	< 5	< 5
Vinyl Chloride	2	< 20	< 20	< 2	< 2	< 2	< 2
Xylene-o	NE	< 50	< 50	< 5	< 5	< 5	< 5
Xylenes - m,p	NE	< 50	< 50	< 5	< 5	< 5	< 5
TVOC		**1,468.3**	**1,251.5**	0	**0.71**	0	0

Notes and abbreviations on last page.

Table 5. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Study Area Monitoring Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Notes and Abbreviations:

1. Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006).
2. Samples analyzed for the TCL VOCs using NYSDEC ASP 2000 Method OLM4.2.

Indicates an exceedance of an SCG

Bold value indicates a detection

RI/FS	Remedial Investigation/Feasibility Study
NYSDEC	New York State Department of Environmental Conservation
TCL	Target compound list
VOC	Volatile organic compound
ASP	Analytical services protocol
SCGs	Standard, criteria, and guidance values
ug/L	Micrograms per liter
TVOC	Total volatile organic compounds
NE	Not established
REP	Field replicate
J	Value is estimated
D	Value from a secondary dilution
B	Compound detected in associated blank sample

Table 6. Comparison of Total Volatile Organic Compound Concentrations between Groundwater Samples Collected from Study Area Vertical Profile Borings and Monitoring Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample Location:	VP-100	MW-100-1	VP-100	MW-100-2	VP-100	MW-100-3	VP-102	MW-102-1	VP-107	MW-107-1	VP-108	MW-108-1
Sample Depth (ft bls):	55 - 60	55-65	145 - 150	145-155	240 - 245	237-247	135 - 140	137-147	75-90	78-88	65-80	67-77
Sample Date:	9/15/2006	7/9/2009	9/13/2006	7/9/2009	9/8/2006	7/9/2009	10/11/2006	7/17/2009	7/25/2006 AVG(1)	7/13/2009	7/14/2006 AVG(1)	7/13/2009
TVOC (ug/L)	**18.1**	**0.4**	**1,690.7**	**1,510.7**	**52.0**	**72.0**	**88.3**	**1.7**	**115.5**	**164.9**	**10.5**	**1.5**

Notes and abbreviations on following page.

Table 6. Comparison of Total Volatile Organic Compound Concentrations between Groundwater Samples Collected from Study Area Vertical Profile Borings and Monitoring Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample Location:	VP-109	MW-109-3	VP-111	MW-111-4	VP-116	MW-116-5	VP-117	MW-117-5	VP-118	MW-118-5
Sample Depth (ft bls):	235 - 240	233-243	451-471	448-468	574-594	570-590	729-764	737-757	729 - 729	713-738
Sample Date:	1/25/2007	4/14/2009	4/24/2007	5/6/2008	3/18/2008	9/29/2008	1/8/2009	2/11/2009	4/29/2009	5/4/2009
			AVG(1)		AVG(1)		AVG(1)			
TVOC (ug/L)	**9,172.8**	**3,457.9**	**9,100.0**	**10,300.0**	**1,548.5**	**1,440.0**	0	0	0	0

Notes and Abbreviations:

1. Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006).
2. Samples analyzed for the TCL VOCs using NYSDEC ASP 2000 Method OLM4.2.

AVG(1) TVOC is an average of vertical profile boring sample intervals which coincide with the screened interval of the co-located monitoring well, see Table 4 for all vertical profile boring results. If the monitoring well was sampled more than once, the result closest in time to the co-located vertical profile boring result(s) was used. See Table 5 for all monitoring well results.

RI/FS Remedial Investigation/Feasibility Study

NYSDEC New York State Department of Environmental Conservation

TCL Target compound list

VOC Volatile organic compound

ASP Analytical services protocol

SCGs Standard, criteria, and guidance values

ft bls Feet below land surface

ug/L Micrograms per liter

VP Vertical profile boring

TVOC Total volatile organic compounds

Table 7. Concentrations of Metals in Groundwater Samples Collected from Study Area Monitoring Wells,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	Sample Location: / Sample Date:	HN-40S 7/14/2009	HN-40I 7/14/2009	HN-42S 7/8/2009	HN-42I 7/8/2009	MW-100-1 7/9/2009	MW-100-2 7/9/2009	MW-100-3 7/9/2009	MW-102-1 7/17/2009	MW-107-1 7/13/2009	MW-108-1 7/13/2009	MW-109-3 7/8/2009	MW-111-4 7/15/2009	MW-116-5 7/22/2009
	NYSDEC SCGs													
Total Cadmium	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Total Chromium	50	< 10	**16.3**	< 10	< 10	**13.5**	**12.1**	**19.7**	**15.3**	**15.1**	**60**	**57.4**	**103**	< 10
Dissolved Cadmium	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dissolved Chromium	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**11.5**	**19.6**	**73.2**	< 10

Notes and abbreviations on following page.

Table 7. Concentrations of Metals in Groundwater Samples Collected from Study Area Monitoring Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

CONSTITUENT (ug/L)	NYSDEC SCGs	MW-117-5 7/20/2009	MW-118-5 7/21/2009
Total Cadmium	5	< 5	< 5
Total Chromium	50	**12.8**	**26.9**
Dissolved Cadmium	5	< 5	< 5
Dissolved Chromium	50	< 10	< 10

Notes and Abbreviations:

1. Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006).
2. Samples analyzed for the TAL Metals using NYSDEC ASP Method 2000 ILM4.0.

Indicates an exceedance of an SCG

Bold value indicates a detection

RI/FS	Remedial Investigation/Feasibility Study
NYSDEC	New York State Department of Environmental Conservation
TAL	Target analyte list
ASP	Analytical services protocol
SCGs	Standard, criteria, and guidance values
ug/L	Micrograms per liter

Table 8. Concentrations of Perchlorate in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample Location	Sample Depth (ft bls)	Sample Date	Concentration (ug/L)
VP-100	46-51	9/15/2006	< 10
VP-100	55-60	9/15/2006	< 5
VP-100	75-80	9/13/2006	< 4
VP-100	105-110	9/14/2006	< 4
VP-100 (REP)	105-110	9/14/2006	< 4
VP-100	125-130	9/12/2006	< 4
VP-100	145-150	9/13/2006	< 4
VP-100	160-165	9/11/2006	< 4
VP-100	180-185	9/12/2006	< 4
VP-100	190-195	9/12/2006	< 4
VP-100	200-205	9/8/2006	< 4
VP-100	210-215	9/11/2006	< 4
VP-100	220-225	9/11/2006	< 4
VP-100	230-235	9/7/2006	< 4
VP-100 (REP)	230-235	9/8/2006	< 4
VP-100	240-245	9/8/2006	< 4
VP-100	250-255	9/7/2006	< 4
VP-100	270-275	9/7/2006	< 4
VP-100	290-295	9/6/2006	< 4
VP-100	310-315	9/6/2006	< 4
VP-100	330-335	9/5/2006	4.3
VP-100 (REP)	330-335	9/5/2006	4.2
VP-100	350-355	9/5/2006	< 4
VP-100	371-376	9/1/2006	< 4
VP-100	394-399	9/1/2006	4.7
VP-101	60	6/27/2006	< 10 J
VP-101	80	6/27/2006	< 10 J
VP-101	100	6/28/2006	< 10 J
VP-101	120	6/28/2006	< 10 J
VP-101	140	6/28/2006	< 10 J
VP-101	167	6/29/2006	< 10
VP-101	320	7/6/2006	< 10
VP-101	340	7/6/2006	< 10
VP-101	360	7/7/2006	**11**
VP-101	387	7/10/2006	**3 J**
VP-101	400	7/10/2006	< 10
VP-101	420	7/11/2006	**6.2**
VP-101	440	7/11/2006	< 10
VP-101	460	7/11/2006	< 10
VP-101	480	7/12/2006	< 0.32
VP-101	507	7/13/2006	< 1
VP-102	45-50	10/13/2006	< 5
VP-102	65-70	10/13/2006	**0.68 J**
VP-102 (REP)	65-70	10/13/2006	< 5
VP-102	85-90	10/13/2006	**1.2**
VP-102	105-110	10/12/2006	**0.77 J**
VP-102	125-130	10/12/2006	**3.3**
VP-102	135-140	10/11/2006	**1.6**
VP-102	150-155	10/11/2006	**3.4**
VP-102	160-165	10/11/2006	**1.5**
VP-102	170-175	10/10/2006	**1.7**
VP-102	180-185	10/10/2006	< 1
VP-102	190-195	10/6/2006	< 1
VP-102	200-205	10/6/2006	**0.67 J**
VP-102	220-225	10/5/2006	**0.76 J**
VP-102	240-245	10/5/2006	**0.4 J**

Notes and abbreviations on last page.

Table 8. Concentrations of Perchlorate in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample Location	Sample Depth (ft bls)	Sample Date	Concentration (ug/L)
VP-102	250-255	10/4/2006	**0.46 J**
VP-102 (REP)	250-255	10/4/2006	**0.41 J**
VP-102	260-265	10/4/2006	**1.3**
VP-102	270-275	10/3/2006	**0.59 J**
VP-102	280-285	10/3/2006	**0.71 J**
VP-102	290-295	10/2/2006	**0.65 J**
VP-102	300-305	9/29/2006	< 1
VP-102	310-315	9/29/2006	< 1
VP-102	325-330	9/28/2006	< 1
VP-102 (REP)	325-330	9/28/2006	< 1
VP-102	345-350	9/28/2006	< 1
VP-102	365-370	9/27/2006	**0.98 J**
VP-102	370-375	10/3/2006	**0.59 J**
VP-102	380-385	10/3/2006	**0.71 J**
VP-103	60	10/10/2006	< 10
VP-103	80	10/10/2006	< 10
VP-103	100	10/10/2006	**2.2 J**
VP-103	120	10/10/2006	< 20
VP-103	140	10/11/2006	< 10
VP-103	165	10/11/2006	< 10
VP-103	185	10/11/2006	**0.93 J**
VP-103	200	10/12/2006	< 20
VP-103	220	10/12/2006	< 20
VP-103	240	10/12/2006	< 20
VP-103	260	10/12/2006	< 2
VP-103	320	10/16/2006	< 2
VP-103	345	10/16/2006	< 10
VP-103 (REP)	345	10/16/2006	< 10
VP-103	360	10/17/2006	< 1
VP-103	380	10/17/2006	< 1
VP-103	420	10/18/2006	< 5
VP-103	440	10/18/2006	< 5
VP-103	460	10/18/2006	< 10
VP-103	480	10/18/2006	< 20
VP-103	500	10/19/2006	< 20
VP-103	525	10/19/2006	< 10
VP-103	545	10/20/2006	**6.9**
VP-103	560	10/20/2006	< 10
VP-103	580	10/23/2006	< 10
VP-103	600	10/23/2006	< 10
VP-103	620	10/23/2006	< 5
VP-103	640	10/24/2006	**3.7 J**
VP-103 (REP)	640	10/24/2006	< 10
VP-103	660	10/24/2006	**6 J**
VP-104	40	8/7/2006	< 4
VP-104	60	7/28/2006	< 4
VP-104	80	7/28/2006	< 4
VP-104	100	7/31/2006	< 4
VP-104	120	7/31/2006	< 4
VP-104	140	7/31/2006	< 4
VP-104 (REP)	140	7/31/2006	< 4
VP-104	160	7/31/2006	< 4
VP-104	180	8/1/2006	< 4
VP-104	200	8/1/2006	< 4
VP-104	220	8/1/2006	< 4
VP-104	240	8/1/2006	< 4

Notes and abbreviations on last page.

Table 8. Concentrations of Perchlorate in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample Location	Sample Depth (ft bls)	Sample Date	Concentration (ug/L)
VP-104	260	8/2/2006	< 4
VP-104	280	8/2/2006	< 4
VP-104	300	8/2/2006	< 4
VP-104	320	8/3/2006	< 4
VP-104	340	8/3/2006	< 4
VP-104	360	8/3/2006	< 4
VP-104	380	8/7/2006	< 4
VP-104	400	8/7/2006	< 4
VP-104	420	8/7/2006	< 4
VP-104	460	8/8/2006	< 4
VP-104	480	8/8/2006	< 4
VP-104	500	8/8/2006	< 4
VP-104	520	8/14/2006	< 4
VP-104	540	8/14/2006	< 4
VP-104	560	8/14/2006	< 4
VP-104	740	8/22/2006	< 4
VP-104	820	8/24/2006	< 4
VP-104	840	8/24/2006	< 4
VP-104	860	8/25/2006	< 4
VP-104	880	8/25/2006	< 4
VP-105	45-50	8/2/2006	< 4
VP-105	55-60	8/2/2006	< 4
VP-105	65-70	8/2/2006	< 4
VP-105	75-80	8/2/2006	< 4
VP-105	85-90	8/1/2006	< 4
VP-105	95-100	8/1/2006	< 4
VP-105	102-107	8/1/2006	< 4
VP-105	115-120	7/31/2006	< 4
VP-105	125-130	7/31/2006	< 4
VP-105	135-140	7/31/2006	< 4
VP-105	145-150	7/28/2006	< 4
VP-105	155-160	7/28/2006	< 4
VP-105	165-170	7/28/2006	< 4
VP-107	45-50	7/25/2006	< 4
VP-107	55-60	7/25/2006	< 4
VP-107	65-70	7/25/2006	< 4
VP-107	75-80	7/25/2006	< 4
VP-107	85-90	7/25/2006	< 4
VP-107	95-100	7/21/2006	< 4
VP-107	105-110	7/21/2006	< 4
VP-107	119-124	7/21/2006	< 4
VP-107	135-140	7/20/2006	< 4
VP-107	148-153	7/20/2006	< 4
VP-107	165-170	7/20/2006	< 4
VP-108	45-50	7/13/2006	< 1
VP-108	55-60	7/13/2006	**1.6**
VP-108	65-70	7/13/2006	**1.7**
VP-108	75-80	7/13/2006	**1.2**
VP-108	85-90	7/13/2006	**1.2**
VP-108	95-100	7/13/2006	**1.2**
VP-108	105-110	7/13/2006	**1.3**
VP-108	115-120	7/13/2006	**1.4**
VP-108	125-130	7/13/2006	**1.6**
VP-108	135-140	7/13/2006	**1.4**
VP-108	145-150	7/13/2006	**1.3**
VP-108 (REP)	145-150	7/13/2006	**1.3**

Notes and abbreviations on last page.

Table 8. Concentrations of Perchlorate in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample Location	Sample Depth (ft bls)	Sample Date	Concentration (ug/L)
VP-109	44-49	2/5/2007	**9.4**
VP-109	55-60	2/5/2007	**0.79 J**
VP-109	65-70	2/5/2007	**1**
VP-109	75-80	2/5/2007	**1.1**
VP-109	85-90	2/2/2007	**1.1**
VP-109	95-100	2/2/2007	**0.43 J**
VP-109	105-110	2/2/2007	**0.84 J**
VP-109	115-120	2/1/2007	**0.4 J**
VP-109	125-130	2/1/2007	< 1
VP-109	135-140	1/31/2007	**0.68 J**
VP-109	145-150	1/31/2007	**0.36 J**
VP-109	155-160	1/31/2007	**0.5 J**
VP-109	165-170	1/30/2007	**0.77 J**
VP-109	175-180	1/30/2007	**0.51 DJ**
VP-109	185-190	1/30/2007	**0.62 J**
VP-109	195-200	1/29/2007	**0.85 J**
VP-109	205-210	1/29/2007	**0.38 J**
VP-109	215-220	1/26/2007	< 1
VP-109	225-230	1/25/2007	< 1
VP-109	235-240	1/25/2007	< 1
VP-109 (REP)	235-240	1/25/2007	< 1
VP-109	247-252	1/24/2007	**0.57 J**
VP-109	255-260	1/24/2007	**0.73 J**
VP-109	265-270	1/23/2007	< 2
VP-109	275-280	1/23/2007	< 2
VP-109	288-293	1/22/2007	< 1
VP-110	40-45	2/22/2007	< 1
VP-110 (REP)	40-45	2/22/2007	< 1
VP-110	50-55	2/22/2007	< 1
VP-110	60-65	2/21/2007	< 1
VP-110	70-75	2/21/2007	< 1
VP-110	80-80	2/21/2007	< 1
VP-110	90-95	2/21/2007	< 1
VP-110	100-105	2/21/2007	< 1
VP-110	110-115	2/20/2007	**0.69 J**
VP-110	120-125	2/20/2007	**0.95 J**
VP-110	140-145	2/20/2007	**0.59 J**
VP-110	150-155	2/20/2007	**1.3**
VP-110	160-165	2/20/2007	**1.2**
VP-110	170-175	2/16/2007	**1.4**
VP-110	180-185	2/16/2007	**0.78 J**
VP-110 (REP)	180-185	2/16/2007	**0.93 J**
VP-110	190-195	2/16/2007	**0.71 J**
VP-110	200-205	2/13/2007	**0.91 J**
VP-110	210-215	2/13/2007	**1**
VP-110	220-225	2/13/2007	**1**
VP-110	230-235	2/9/2007	**1.6**
VP-110	240-245	2/9/2007	**1.9**
VP-110	250-255	2/7/2007	**2.5**
VP-110	260-265	2/7/2007	**2.2**
VP-110	270-275	2/7/2007	**1.7**
VP-110	283-288	2/6/2007	**1.4**
VP-110	295-300	2/6/2007	**0.97 J**
VP-110	315-320	2/6/2007	**1.6**
VP-110	325-330	2/5/2007	**1.3**
VP-110	333-338	2/5/2007	**3.9**

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Table 8. Concentrations of Perchlorate in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample Location	Sample Depth (ft bls)	Sample Date	Concentration (ug/L)
VP-110	344-349	2/1/2007	**3**
VP-110	352-357	2/1/2007	**1.8**
VP-110	352-367	2/1/2007	**1.6**
VP-110	362-367	1/31/2007	**2.9**
VP-110	372-377	1/31/2007	**1.3**
VP-110	382-387	1/30/2007	**1.4**
VP-111	50-51	4/17/2007	**0.84**
VP-111	70-71	4/17/2007	**1.7**
VP-111	91-91	4/17/2007	**1.1**
VP-111	111-111	4/17/2007	**1.3**
VP-111	131-131	4/18/2007	**2.1**
VP-111	151-151	4/18/2007	**2**
VP-111	171-171	4/18/2007	**1.9**
VP-111 (REP)	171-171	4/18/2007	**2**
VP-111	191-191	4/19/2007	**1.9**
VP-111	211-211	4/19/2007	**1.4**
VP-111	231-231	4/19/2007	**1.5**
VP-111	251-251	4/19/2007	**1.1**
VP-111	271-271	4/20/2007	**1.1**
VP-111	291-291	4/20/2007	**0.9**
VP-111	311-311	4/20/2007	**2**
VP-111	331-331	4/20/2007	**2.4**
VP-111	351-351	4/23/2007	**2.4**
VP-111	371-371	4/23/2007	**2.6**
VP-111	391-391	4/24/2007	**1.8**
VP-111	411-411	4/24/2007	**2.2**
VP-111	431-431	4/24/2007	**3.6**
VP-111	451-451	4/24/2007	**1.8**
VP-111	471-471	4/25/2007	**1.4**
VP-111	491-491	4/25/2007	**4.1**
VP-111	511-511	4/25/2007	**4.8**
VP-111	531-531	4/26/2007	**6.2**
VP-111	551-551	4/26/2007	**1.6**
VP-111 (REP)	551-551	4/26/2007	**1.6**
VP-111	571-571	4/27/2007	**4.1**
VP-111	591-591	4/27/2007	**2.6**
VP-111	616-616	4/30/2007	**2**
VP-111	631-631	5/1/2007	< 0.2
VP-112	60-60	5/23/2007	**0.48**
VP-112	80-80	5/23/2007	**3**
VP-112	100-100	5/23/2007	**0.93**
VP-112	120-120	5/24/2007	**3.7**
VP-112	140-140	5/24/2007	**0.86**
VP-112	165-165	5/24/2007	**1.1**
VP-112	185-185	5/30/2007	**1.2**
VP-112	200-200	5/30/2007	**2.6**
VP-112	220-220	5/31/2007	**3.4**
VP-112	240-240	5/31/2007	**3.5**
VP-112 (REP)	240-240	5/31/2007	**3.5**
VP-112	260-260	5/31/2007	**3.3**
VP-112	280-280	5/31/2007	**0.93**
VP-112	300-300	6/1/2007	**0.75**
VP-112	320-320	6/1/2007	**0.73**
VP-112	340-340	6/1/2007	**0.78**
VP-112	360-360	6/4/2007	**0.98**
VP-112	380-380	6/4/2007	**0.74**

Notes and abbreviations on last page.

Table 8. Concentrations of Perchlorate in Groundwater Samples Collected from Study Area Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample Location	Sample Depth (ft bls)	Sample Date	Concentration (ug/L)
VP-112	410-410	6/5/2007	**0.76**
VP-112	420-420	6/6/2007	**0.91**
VP-112	440-440	6/6/2007	**0.78**
VP-112	470-470	6/7/2007	**1.7**
VP-112 (REP)	470-470	6/7/2007	**1.5**
VP-112	480-480	6/7/2007	**1.2**
VP-112	500-500	6/7/2007	**1.5**
VP-112	520-520	6/7/2007	**1.9**
VP-112	545-545	6/8/2007	**3.8**
VP-112	560-560	6/8/2007	**3**
VP-112	580-580	6/8/2007	**5.3**
VP-112	600-600	6/11/2007	**5.2**
VP-112	620-620	6/13/2007	**1.9**
VP-112	660-660	6/14/2007	**0.9**
VP-112	680-680	6/14/2007	**0.2**
VP-112	700-700	6/14/2007	< 0.2

Notes and Abbreviations:

1. Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006).
2. Samples analyzed for perchlorate using USEPA Method 314.0.
3. Nassau County Department of Health has adopted a guidance value of 18 ug/L for perchlorate.

Bold value indicates detection.

RI/FS	Remedial Investigation/Feasibility Study
USEPA	United States Environmental Protection Agency
ug/L	Micrograms per liter
J	Value is estimated
D	Value from a secondary dilution
ft bls	Feet below land surface
REP	Field replicate

Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L) / Samplie ID:	VP-100	VP-100	VP-100	VP-100	VP-100-DL	VP-100	VP-100	VP-100	VP-100	VP-100	VP-100	VP-101	VP-101	VP-101	VP-101	VP-101
Sample Depth (ft bls):	105-110	125-130	145-150	160-165	160-165	180-185	220-225	250-255	350-355	371-376	200-205	60	167	420	440	460
Sample Date	9/14/2006	9/13/2006	9/13/2006	9/12/2006	9/12/2006	9/12/2006	9/11/2006	9/7/2006	9/5/2006	9/1/2006	9/11/2006	6/27/2006	6/29/2006	7/11/2006	7/11/2006	7/11/2006
1,1,1,2-Tetrafluoroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Butene	--	6 NJ	--	--	--	13 NJ	--	--	--	--	--	--	--	--	22 NJ	--
1-Pentene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Ethyl- 1-Hexanol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-Propene	--	--	18 NJ	17 NJ	11 NJD	--	20 NJ	6 NJ	--	--	--	--	--	12 NJ	--	--
Acetaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclopropane, ethyl-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclotrisiloxane, hexamethyl-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Decane	--	--	--	--	--	--	--	--	--	--	--	9 NJ	--	--	--	--
Diisopropylether	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Eicosane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	26 NJ
Ethyl Acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexanal	--	--	--	--	--	--	--	--	--	5 NJ	--	--	--	--	--	--
Isobutane	9 NJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentanal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propane, 2-methoxy-2-methyl-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propene	--	26 NJ	43 NJ	37 NJ	37 NJD	16 NJ	--	20 NJ	--	--	12 NJ	--	--	--	--	--
Propene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silanol, trimethyl-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Notes and abbreviations on last page.

Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-100	VP-100	VP-100	VP-100	VP-100-DL	VP-100	VP-100	VP-100	VP-100	VP-100	VP-100	VP-101	VP-101	VP-101	VP-101	VP-101
	Sample Depth (ft bls):	105-110	125-130	145-150	160-165	160-165	180-185	220-225	250-255	350-355	371-376	200-205	60	167	420	440	460
	Sample Date	9/14/2006	9/13/2006	9/13/2006	9/12/2006	9/12/2006	9/12/2006	9/11/2006	9/7/2006	9/5/2006	9/1/2006	9/11/2006	6/27/2006	6/29/2006	7/11/2006	7/11/2006	7/11/2006
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Unknown		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	Alcohol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	Alcohol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	Aliphatic Hydrocarbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	Aliphatic Hydrocarbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	Aliphatic Hydrocarbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	Aliphatic Hydrocarbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	Alkane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	Alkane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes and abbreviations on last page.

Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-100	VP-100	VP-100	VP-100	VP-100-DL	VP-100	VP-100	VP-100	VP-100	VP-100	VP-100	VP-101	VP-101	VP-101	VP-101	VP-101
	Sample Depth (ft bls):	105-110	125-130	145-150	160-165	160-165	180-185	220-225	250-255	350-355	371-376	200-205	60	167	420	440	460
	Sample Date	9/14/2006	9/13/2006	9/13/2006	9/12/2006	9/12/2006	9/12/2006	9/11/2006	9/7/2006	9/5/2006	9/1/2006	9/11/2006	6/27/2006	6/29/2006	7/11/2006	7/11/2006	7/11/2006
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 J
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6 J
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15 J
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 J
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	11 J	--
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	14 J	--
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11 J
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	18 J	--
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Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	13 J	--
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	12 J	--
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7 J
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	5 J	--
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Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	12 J	--
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Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	36 J
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	24 J

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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-100	VP-100	VP-100	VP-100	VP-100-DL	VP-100	VP-100	VP-100	VP-100	VP-100	VP-100	VP-101	VP-101	VP-101	VP-101	VP-101
	Sample Depth (ft bls):	105-110	125-130	145-150	160-165	160-165	180-185	220-225	250-255	350-355	371-376	200-205	60	167	420	440	460
	Sample Date	9/14/2006	9/13/2006	9/13/2006	9/12/2006	9/12/2006	9/12/2006	9/11/2006	9/7/2006	9/5/2006	9/1/2006	9/11/2006	6/27/2006	6/29/2006	7/11/2006	7/11/2006	7/11/2006
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 J
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18 J
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Cycloalkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Cycloalkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Cycloalkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UnknownFreon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Hydrocarbon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Hydrocarbon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Silanol		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-101	VP-101	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample Depth (ft bls):	480	507	45-50	65-70	105-110	135-140	160-165	170-175	180-185	190-195	200-205	240-245	290-295	325-330	330-325	345-350
	Sample Date	7/12/2006	7/13/2006	10/13/2006	10/13/2006	10/12/2006	10/11/2006	10/11/2006	10/10/2006	10/10/2006	10/6/2006	10/6/2006	10/5/2006	10/2/2006	9/28/2006	9/28/2006	9/28/2006
1,1,1,2-Tetrafluoroethane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Butene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Pentene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Ethyl- 1-Hexanol		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-Propene		--	--	9.2	16	23	24	5	5.6	5.8	--	--	--	--	13	11	11
Acetaldehyde		--	--	13	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetaldehyde		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclopropane, ethyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclotrisiloxane, hexamethyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Decane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diisopropylether		--	--	--	--	--	--	--	--	--	5.3	8.5	8.2	--	--	--	--
Eicosane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Acetate		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexanal		--	--	13	19	--	--	--	--	--	--	--	--	--	--	--	--
Isobutane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Methyl tert-Butyl Ether		--	--	--	--	2.3 J	--	--	--	--	--	--	--	--	--	--	--
Pentanal		--	--	8.6	5.8	--	--	--	--	--	--	--	--	--	--	--	--
Pentane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propane, 2-methoxy-2-methyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Propene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silanol, trimethyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-101	VP-101	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample Depth (ft bls):	480	507	45-50	65-70	105-110	135-140	160-165	170-175	180-185	190-195	200-205	240-245	290-295	325-330	330-325	345-350
	Sample Date	7/12/2006	7/13/2006	10/13/2006	10/13/2006	10/12/2006	10/11/2006	10/11/2006	10/10/2006	10/10/2006	10/6/2006	10/6/2006	10/5/2006	10/2/2006	9/28/2006	9/28/2006	9/28/2006
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Unknown Alcohol		--	--	--	--	--	--	--	--	5	--	--	--	--	--	--	--
Unknown Alcohol		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Aliphatic Hydrocarbon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Aliphatic Hydrocarbon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane		20 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Alkane		17 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-101	VP-101	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample Depth (ft bls):	480	507	45-50	65-70	105-110	135-140	160-165	170-175	180-185	190-195	200-205	240-245	290-295	325-330	330-325	345-350
	Sample Date	7/12/2006	7/13/2006	10/13/2006	10/13/2006	10/12/2006	10/11/2006	10/11/2006	10/10/2006	10/10/2006	10/6/2006	10/6/2006	10/5/2006	10/2/2006	9/28/2006	9/28/2006	9/28/2006
Unknown Alkane		15 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane		33 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane		18 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Alkane		15 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Alkane		18 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-101	VP-101	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample Depth (ft bls):	480	507	45-50	65-70	105-110	135-140	160-165	170-175	180-185	190-195	200-205	240-245	290-295	325-330	330-325	345-350
	Sample Date	7/12/2006	7/13/2006	10/13/2006	10/13/2006	10/12/2006	10/11/2006	10/11/2006	10/10/2006	10/10/2006	10/6/2006	10/6/2006	10/5/2006	10/2/2006	9/28/2006	9/28/2006	9/28/2006
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Cycloalkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UnknownFreon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample Depth (ft bls):	80	140	185	200	220	240	285	345	360	400	460	480	525	545	560	600
	Sample Date	10/10/2006	10/11/2006	10/11/2006	10/12/2006	10/12/2006	10/12/2006	10/13/2006	10/16/2006	10/17/2006	10/17/2006	10/18/2006	10/18/2006	10/19/2006	10/20/2006	10/20/2006	10/23/2006
1,1,1,2-Tetrafluoroethane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Butene		--	--	--	--	--	--	--	69	--	23	--	--	--	--	--	--
1-Pentene		--	--	--	--	--	--	--	16	--	--	--	--	--	--	--	--
2-Butene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Ethyl- 1-Hexanol		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.7
2-Methyl-1-Propene		--	21	--	16	5.5	17	5.6	14	--	--	8	33	11	13	9	--
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample Depth (ft bls):	80	140	185	200	220	240	285	345	360	400	460	480	525	545	560	600
	Sample Date	10/10/2006	10/11/2006	10/11/2006	10/12/2006	10/12/2006	10/12/2006	10/13/2006	10/16/2006	10/17/2006	10/17/2006	10/18/2006	10/18/2006	10/19/2006	10/20/2006	10/20/2006	10/23/2006
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample Depth (ft bls):	80	140	185	200	220	240	285	345	360	400	460	480	525	545	560	600
	Sample Date	10/10/2006	10/11/2006	10/11/2006	10/12/2006	10/12/2006	10/12/2006	10/13/2006	10/16/2006	10/17/2006	10/17/2006	10/18/2006	10/18/2006	10/19/2006	10/20/2006	10/20/2006	10/23/2006
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample Depth (ft bls):	80	140	185	200	220	240	285	345	360	400	460	480	525	545	560	600
	Sample Date	10/10/2006	10/11/2006	10/11/2006	10/12/2006	10/12/2006	10/12/2006	10/13/2006	10/16/2006	10/17/2006	10/17/2006	10/18/2006	10/18/2006	10/19/2006	10/20/2006	10/20/2006	10/23/2006
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-103	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104RE	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample Depth (ft bls):	620	60	140	160	200	340	460	707	600	620	640	707	720	740	780	840
	Sample Date	10/23/2006	7/28/2006	7/31/2006	7/31/2006	8/1/2006	8/3/2006	8/8/2006	8/21/2006	8/15/2006	8/15/2006	8/16/2006	8/21/2006	8/22/2006	8/22/2006	8/23/2006	8/24/2006
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Notes and abbreviations on last page.

Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-103	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104RE	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample Depth (ft bls):	620	60	140	160	200	340	460	707	600	620	640	707	720	740	780	840
	Sample Date	10/23/2006	7/28/2006	7/31/2006	7/31/2006	8/1/2006	8/3/2006	8/8/2006	8/21/2006	8/15/2006	8/15/2006	8/16/2006	8/21/2006	8/22/2006	8/22/2006	8/23/2006	8/24/2006
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-103	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104RE	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample Depth (ft bls):	620	60	140	160	200	340	460	707	600	620	640	707	720	740	780	840
	Sample Date	10/23/2006	7/28/2006	7/31/2006	7/31/2006	8/1/2006	8/3/2006	8/8/2006	8/21/2006	8/15/2006	8/15/2006	8/16/2006	8/21/2006	8/22/2006	8/22/2006	8/23/2006	8/24/2006
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-103	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104RE	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample Depth (ft bls):	620	60	140	160	200	340	460	707	600	620	640	707	720	740	780	840
	Sample Date	10/23/2006	7/28/2006	7/31/2006	7/31/2006	8/1/2006	8/3/2006	8/8/2006	8/21/2006	8/15/2006	8/15/2006	8/16/2006	8/21/2006	8/22/2006	8/22/2006	8/23/2006	8/24/2006
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Samplie ID:	VP-104	VP-105	VP-105-Dilution	VP-106	VP-106	VP-107	VP-107	VP-107	VP-107	VP-107	VP-107	VP-108	VP-109	VP-109	VP-109	VP-109
Sample Depth (ft bls):	860	55-60	95-100	49-54	75-80	55-60	85-90	95-100	105-110	135-140	148-153	75-80	125-130	135-140	247-252	275-280
TIC ID (ug/L) Sample Date	8/25/2006	8/2/2006	8/1/2006	6/30/2006	6/30/2006	7/25/2006	7/25/2006	7/21/2006	7/21/2006	7/20/2006	7/20/2006	7/14/2006	2/1/2007	1/31/2007	1/24/2007	1/23/2007
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-104	VP-105	VP-105-Dilution	VP-106	VP-106	VP-107	VP-107	VP-107	VP-107	VP-107	VP-107	VP-108	VP-109	VP-109	VP-109	VP-109
	Sample Depth (ft bls):	860	55-60	95-100	49-54	75-80	55-60	85-90	95-100	105-110	135-140	148-153	75-80	125-130	135-140	247-252	275-280
	Sample Date	8/25/2006	8/2/2006	8/1/2006	6/30/2006	6/30/2006	7/25/2006	7/25/2006	7/21/2006	7/21/2006	7/20/2006	7/20/2006	7/14/2006	2/1/2007	1/31/2007	1/24/2007	1/23/2007
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-104	VP-105	VP-105-Dilution	VP-106	VP-106	VP-107	VP-107	VP-107	VP-107	VP-107	VP-107	VP-108	VP-109	VP-109	VP-109	VP-109
	Sample Depth (ft bls):	860	55-60	95-100	49-54	75-80	55-60	85-90	95-100	105-110	135-140	148-153	75-80	125-130	135-140	247-252	275-280
	Sample Date	8/25/2006	8/2/2006	8/1/2006	6/30/2006	6/30/2006	7/25/2006	7/25/2006	7/21/2006	7/21/2006	7/20/2006	7/20/2006	7/14/2006	2/1/2007	1/31/2007	1/24/2007	1/23/2007
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Samplie ID:	VP-104	VP-105	VP-105-Dilution	VP-106	VP-106	VP-107	VP-107	VP-107	VP-107	VP-107	VP-107	VP-108	VP-109	VP-109	VP-109	VP-109
Sample Depth (ft bls):	860	55-60	95-100	49-54	75-80	55-60	85-90	95-100	105-110	135-140	148-153	75-80	125-130	135-140	247-252	275-280
TIC ID (ug/L) Sample Date	8/25/2006	8/2/2006	8/1/2006	6/30/2006	6/30/2006	7/25/2006	7/25/2006	7/21/2006	7/21/2006	7/20/2006	7/20/2006	7/14/2006	2/1/2007	1/31/2007	1/24/2007	1/23/2007
Unknown Alkane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Alkane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Alkane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Cycloalkane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Cycloalkane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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UnknownFreon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Hydrocarbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Hydrocarbon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Silanol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L) / Samplie ID: / Sample Depth (ft bls): / Sample Date	VP-109R 461 5/7/2008	VP-110 40-45 2/22/2007	VP-110 60-65 2/21/2007	VP-110 110-115 2/20/2007	VP-110 120-125 2/20/2007	VP-110 140-145 2/20/2007	VP-110 150-155 2/20/2007	VP-110 160-165 2/20/2007	VP-110 180-185 2/16/2007	VP-110 200-205 2/13/2007	VP-110 210-215 2/13/2007	VP-110 250-255 2/7/2007	VP-110 260-265 2/7/2007	VP-110 270-275 2/7/2007	VP-110 295-300 2/6/2007	VP-110 315-320 2/6/2007
1,1,1,2-Tetrafluoroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Butene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Pentene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
2-Ethyl- 1-Hexanol	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-Propene	--	3.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetaldehyde	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclopropane, ethyl-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclotrisiloxane, hexamethyl-	--	--	--	--	--	--	--	0.48	--	--	--	--	--	--	--	--
Decane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diisopropylether	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Eicosane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Acetate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexanal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isobutane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate	--	--	--	--	--	--	--	1.4	--	--	--	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	--	--	--	--	--	--	--	6.8	7	25	17	12	8.2	--
Pentanal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentane	--	2.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propane, 2-methoxy-2-methyl-	--	--	--	--	4.4	--	--	--	--	--	--	--	--	--	--	--
Propene	--	7.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propene	--	--	--	--	--	0.93	--	--	--	--	--	--	--	--	--	--
Propene	--	--	--	3.5	--	--	--	--	--	--	--	--	--	--	--	--
Silanol, trimethyl-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	--	--	--	--	--	--	9.8	--	--	--	--	--	--	--	--	--
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-109R	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample Depth (ft bls):	461	40-45	60-65	110-115	120-125	140-145	150-155	160-165	180-185	200-205	210-215	250-255	260-265	270-275	295-300	315-320
	Sample Date	5/7/2008	2/22/2007	2/21/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	2/16/2007	2/13/2007	2/13/2007	2/7/2007	2/7/2007	2/7/2007	2/6/2007	2/6/2007
Unknown		--	--	--	--	--	--	--	--	5.3	--	--	--	--	--	--	--
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-109R	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample Depth (ft bls):	461	40-45	60-65	110-115	120-125	140-145	150-155	160-165	180-185	200-205	210-215	250-255	260-265	270-275	295-300	315-320
	Sample Date	5/7/2008	2/22/2007	2/21/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	2/16/2007	2/13/2007	2/13/2007	2/7/2007	2/7/2007	2/7/2007	2/6/2007	2/6/2007
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-109R	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample Depth (ft bls):	461	40-45	60-65	110-115	120-125	140-145	150-155	160-165	180-185	200-205	210-215	250-255	260-265	270-275	295-300	315-320
	Sample Date	5/7/2008	2/22/2007	2/21/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	2/20/2007	2/16/2007	2/13/2007	2/13/2007	2/7/2007	2/7/2007	2/7/2007	2/6/2007	2/6/2007
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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UnknownFreon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Hydrocarbon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Hydrocarbon		6 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Silanol		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-110	VP-113	VP-113	VP-113	VP-114	VP-114	VP-114	VP-115	VP-115	VP-115	VP-115	VP-116	VP-116	VP-117	VP-119	VP-119
	Sample Depth (ft bls):	344-349	270	421	436	59	74	94	102	122	122	542	374	474	349	54	159
	Sample Date	2/1/2007	3/26/2008	4/1/2008	4/2/2008	5/16/2008	5/19/2008	5/19/2008	6/6/2008	6/6/2008	6/6/2008	6/19/2008	3/12/2008	3/14/2008	12/12/2008	6/18/2009	6/19/2009
1,1,1,2-Tetrafluoroethane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Butene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Pentene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Ethyl- 1-Hexanol		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-Propene		--	--	--	--	--	--	--	--	--	--	6 JN	--	--	--	--	--
Acetaldehyde		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetaldehyde		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclopropane, ethyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclotrisiloxane, hexamethyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Decane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diisopropylether		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Eicosane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Hexanal		--	38 JN	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isobutane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl acetate		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-Butyl Ether		--	--	--	--	--	--	6 JN	8 JN	10 JN	10 JN	--	--	--	--	--	--
Pentanal		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propane, 2-methoxy-2-methyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propene		--	--	6 JN	11 JN	--	--	--	--	--	--	14 JN	15 JN	8 JN	--	--	--
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Propene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silanol, trimethyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-110	VP-113	VP-113	VP-113	VP-114	VP-114	VP-114	VP-115	VP-115	VP-115	VP-115	VP-116	VP-116	VP-117	VP-119	VP-119
	Sample Depth (ft bls):	344-349	270	421	436	59	74	94	102	122	122	542	374	474	349	54	159
	Sample Date	2/1/2007	3/26/2008	4/1/2008	4/2/2008	5/16/2008	5/19/2008	5/19/2008	6/6/2008	6/6/2008	6/6/2008	6/19/2008	3/12/2008	3/14/2008	12/12/2008	6/18/2009	6/19/2009
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-110	VP-113	VP-113	VP-113	VP-114	VP-114	VP-114	VP-115	VP-115	VP-115	VP-115	VP-116	VP-116	VP-117	VP-119	VP-119
	Sample Depth (ft bls):	344-349	270	421	436	59	74	94	102	122	122	542	374	474	349	54	159
	Sample Date	2/1/2007	3/26/2008	4/1/2008	4/2/2008	5/16/2008	5/19/2008	5/19/2008	6/6/2008	6/6/2008	6/6/2008	6/19/2008	3/12/2008	3/14/2008	12/12/2008	6/18/2009	6/19/2009
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-110	VP-113	VP-113	VP-113	VP-114	VP-114	VP-114	VP-115	VP-115	VP-115	VP-115	VP-116	VP-116	VP-117	VP-119	VP-119
	Sample Depth (ft bls):	344-349	270	421	436	59	74	94	102	122	122	542	374	474	349	54	159
	Sample Date	2/1/2007	3/26/2008	4/1/2008	4/2/2008	5/16/2008	5/19/2008	5/19/2008	6/6/2008	6/6/2008	6/6/2008	6/19/2008	3/12/2008	3/14/2008	12/12/2008	6/18/2009	6/19/2009
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	MW-100-2	FB080106	FB080106	FB080206	FB080306	FB080706	FB080806
	Sample Depth (ft bls):	209	484	554	569	689	709	729	774	804	237-247	--	--	--	--	--	--
	Sample Date	6/22/2009	6/26/2009	6/29/2009	6/30/2009	7/7/2009	7/7/2009	7/8/2009	7/9/2009	7/10/2009	7/9/2009	8/1/2006	8/1/2006	8/2/2006	8/3/2006	8/7/2006	8/8/2006
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	MW-100-2	FB080106	FB080106	FB080206	FB080306	FB080706	FB080806
	Sample Depth (ft bls):	209	484	554	569	689	709	729	774	804	237-247	--	--	--	--	--	--
	Sample Date	6/22/2009	6/26/2009	6/29/2009	6/30/2009	7/7/2009	7/7/2009	7/8/2009	7/9/2009	7/10/2009	7/9/2009	8/1/2006	8/1/2006	8/2/2006	8/3/2006	8/7/2006	8/8/2006
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Samplie ID:	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	MW-100-2	FB080106	FB080106	FB080206	FB080306	FB080706	FB080806
	Sample Depth (ft bls):	209	484	554	569	689	709	729	774	804	237-247	--	--	--	--	--	--
TIC ID (ug/L)	Sample Date	6/22/2009	6/26/2009	6/29/2009	6/30/2009	7/7/2009	7/7/2009	7/8/2009	7/9/2009	7/10/2009	7/9/2009	8/1/2006	8/1/2006	8/2/2006	8/3/2006	8/7/2006	8/8/2006
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	VP-119	MW-100-2	FB080106	FB080106	FB080206	FB080306	FB080706	FB080806
	Sample Depth (ft bls):	209	484	554	569	689	709	729	774	804	237-247	--	--	--	--	--	--
	Sample Date	6/22/2009	6/26/2009	6/29/2009	6/30/2009	7/7/2009	7/7/2009	7/8/2009	7/9/2009	7/10/2009	7/9/2009	8/1/2006	8/1/2006	8/2/2006	8/3/2006	8/7/2006	8/8/2006
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UnknownFreon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Hydrocarbon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Unknown Silanol		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

TIC ID (ug/L)	Samplie ID:	FB091506	FB092806	FB100206	FB100206	FB101006	FB101206	FB101306	FB101306	FB102306	FB021607	TB022007	FB022207	FB 041108	FB051608	FB051908	FB-05-20-08
	Sample Depth (ft bls):	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sample Date	9/15/2006	9/28/2006	10/2/2006	10/2/2006	10/10/2006	10/12/2006	10/13/2006	10/13/2006	10/23/2006	2/16/2007	2/20/2007	2/22/2007	4/11/2008	5/16/2008	5/19/2008	5/20/2008
1,1,1,2-Tetrafluoroethane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Butene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Pentene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Ethyl- 1-Hexanol		--	--	--	--	--	--	--	--	6.3	--	--	--	--	--	--	--
2-Methyl-1-Propene		5	23	6.3	--	17	12	28	17	--	--	--	--	--	--	--	--
Acetaldehyde		--	--	--	--	--	--	--	--	--	--	--	--	--	--	9 JN	11 JN
Acetaldehyde		--	--	--	--	--	--	--	--	--	--	--	--	--	8 JN	--	--
Cyclopropane, ethyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cyclotrisiloxane, hexamethyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Decane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diisopropylether		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Eicosane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Propene		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silanol, trimethyl-		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Samplie ID:	FB091506	FB092806	FB100206	FB100206	FB101006	FB101206	FB101306	FB101306	FB102306	FB021607	TB022007	FB022207	FB 041108	FB051608	FB051908	FB-05-20-08
	Sample Depth (ft bls):	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TIC ID (ug/L)	Sample Date	9/15/2006	9/28/2006	10/2/2006	10/2/2006	10/10/2006	10/12/2006	10/13/2006	10/13/2006	10/23/2006	2/16/2007	2/20/2007	2/22/2007	4/11/2008	5/16/2008	5/19/2008	5/20/2008
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Samplie ID:	FB091506	FB092806	FB100206	FB100206	FB101006	FB101206	FB101306	FB101306	FB102306	FB021607	TB022007	FB022207	FB 041108	FB051608	FB051908	FB-05-20-08
	Sample Depth (ft bls):	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TIC ID (ug/L)	Sample Date	9/15/2006	9/28/2006	10/2/2006	10/2/2006	10/10/2006	10/12/2006	10/13/2006	10/13/2006	10/23/2006	2/16/2007	2/20/2007	2/22/2007	4/11/2008	5/16/2008	5/19/2008	5/20/2008
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Samplie ID:	FB091506	FB092806	FB100206	FB100206	FB101006	FB101206	FB101306	FB101306	FB102306	FB021607	TB022007	FB022207	FB 041108	FB051608	FB051908	FB-05-20-08
	Sample Depth (ft bls):	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TIC ID (ug/L)	Sample Date	9/15/2006	9/28/2006	10/2/2006	10/2/2006	10/10/2006	10/12/2006	10/13/2006	10/13/2006	10/23/2006	2/16/2007	2/20/2007	2/22/2007	4/11/2008	5/16/2008	5/19/2008	5/20/2008
Unknown Alkane		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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UnknownFreon		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown Hydrocarbon		--	--	--	--	--	--	--	--	--	--	--	--	8 J	--	--	--
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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Samplie ID:	FB060308	FB061809	FB061909	FB062209	FB062309
Sample Depth (ft bls):	--	--	--	--	--
TIC ID (ug/L) Sample Date	6/3/2008	6/18/2009	6/19/2009	6/22/2009	6/23/2009
1,1,1,2-Tetrafluoroethane	--	--	--	7 JN	--
1-Butene	--	--	--	--	--
1-Pentene	--	--	--	--	--
2-Butene	--	--	--	--	--
2-Ethyl- 1-Hexanol	--	--	--	--	--
2-Methyl-1-Propene	30 JN	--	--	--	--
Acetaldehyde	--	--	--	--	--
Acetaldehyde	--	--	--	--	--
Cyclopropane, ethyl-	--	--	--	--	--
Cyclotrisiloxane, hexamethyl-	--	--	--	--	--
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Diisopropylether	--	--	--	--	--
Eicosane	--	--	--	--	--
Ethyl Acetate	--	--	--	--	--
Hexanal	--	--	--	--	--
Isobutane	--	--	--	--	--
Methyl acetate	--	--	--	--	--
Methyl tert-Butyl Ether	--	--	--	--	--
Pentanal	--	--	--	--	--
Pentane	--	--	--	--	--
Propane, 2-methoxy-2-methyl-	--	--	--	--	--
Propene	--	--	--	--	--
Propene	--	--	--	--	--
Propene	--	--	--	--	--
Silanol, trimethyl-	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--
Unknown	--	--	--	--	--

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Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Samplie ID:	FB060308	FB061809	FB061909	FB062209	FB062309
	Sample Depth (ft bls):	--	--	--	--	--
TIC ID (ug/L)	Sample Date	6/3/2008	6/18/2009	6/19/2009	6/22/2009	6/23/2009
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	--
Unknown		--	--	--	--	6 J
Unknown		--	5 J	--	--	--
Unknown		--	--	6 J	--	--
Unknown		--	--	--	--	--
Unknown Alcohol		--	--	--	--	--
Unknown Alcohol		--	--	--	--	--
Unknown Aliphatic Hydrocarbon		--	--	--	--	--
Unknown Aliphatic Hydrocarbon		--	--	--	--	--
Unknown Aliphatic Hydrocarbon		--	--	--	--	--
Unknown Aliphatic Hydrocarbon		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--

Notes and abbreviations on last page.

Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Samplie ID:	FB060308	FB061809	FB061909	FB062209	FB062309
	Sample Depth (ft bls):	--	--	--	--	--
TIC ID (ug/L)	Sample Date	6/3/2008	6/18/2009	6/19/2009	6/22/2009	6/23/2009
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--

Notes and abbreviations on last page.

Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

	Samplie ID:	FB060308	FB061809	FB061909	FB062209	FB062309
	Sample Depth (ft bls):	--	--	--	--	--
TIC ID (ug/L)	Sample Date	6/3/2008	6/18/2009	6/19/2009	6/22/2009	6/23/2009
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Alkane		--	--	--	--	--
Unknown Cycloalkane		--	--	--	--	--
Unknown Cycloalkane		--	--	--	--	--
Unknown Cycloalkane		--	--	--	--	--
Unknown Cycloalkane		--	--	--	--	--
UnknownFreon		--	12 J	10 J	--	--
Unknown Hydrocarbon		--	--	--	--	--
Unknown Hydrocarbon		--	--	--	--	--
Unknown Silanol		--	--	--	--	--

Notes and abbreviations on last page.

Table 9. Concentrations of Tentatively Identified Compounds in Study Area Vertical Profile Borings, Monitoring Wells, and QA/QC Samples, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Notes and Abbreviations:

1. TICs are generated after analytical results (chemical spectra) are compared to a library of spectra and there is not a clear match between the two. If there is a partial match, the chemical spectra may be assigned to a group and it is referred to as an unknown with the group (i.e., Unknown alkane), but no CAS number is assigned. If a group cannot be determined, it is given the name Unknown with no CAS number. There are different Unknowns listed per sample because the spectra peak for the result comes out at a different retention time indicating that different compounds were detected.

TIC	Tentatively identified compound
ID	Identification
ft bls	Feet below land surface
VP	Vertical profile boring
FB	Field blank
TB	Trip Blank
MW	Monitoring Well
DL	TICs present in the diluted run of the sample
RE	TICs present in a re-run of the sample
J	Value is estimated
NJ	Presumptive evidence indicates the constituent is present and the value is estimated
NJD	Presumptive evidence indicates the constituent is present and the value is estimated at a secondary dilution
--	Parameter not detected/Not Applicable

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Table 10. Concentrations of Detected Volatile Organic Compounds in Untreated Groundwater Samples Collected from Bethpage Water District Public Supply Wells, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.[1]

	Nassau County Well ID:	N-6915	N-6916	N-8004[2]	N-3876	N-8941
	Water District Plant:	4	4	5	6	6
	Local Well Number:	4-1	4-2	5-1	6-1	6-2
CONSTITUENT (ug/L)	Sample Date:	3/25/2009	3/25/2009	1/1/2007	8/25/2009	9/3/2009
	NYSDEC SCGs					
1,1,1-Trichloroethane	5	**2.8**	**1.1**	ND	ND	ND
1,1-Dichloroethane	5	**7.3**	**3**	ND	ND	ND
1,1-Dichloroethene	5	**2.9**	**1.1**	ND	**0.6**	ND
1,2-Dichloroethane	0.6	**2**	**1.3**	ND	ND	ND
Chloroform	7	**1.6**	**3.3**	ND	ND	ND
cis-1,2-dichloroethene	5	**10.9**	**11.5**	ND	**1.3**	ND
Tetrachloroethene	5	ND	**1**	ND	**8.1**	ND
Trichloroethylene	5	**57**	**55.2**	**0.6**	**110 D**	**239 D**
TVOC		**84.5**	**77.5**	**0.6**	**120**	**239**

Notes and Abbreviations:

(1) Results provided by the Bethpage Water District.

(2) Results provided for N-8004 are the maximum results reported for the 2007 year.

SCGs Standard, criteria, and guidance values

ug/L Micrograms per liter

TVOC Total volatile organic compounds

D Value from a secondary dilution

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Table 11. Summary of Chemical Properties for Study Area Constituents of Concern,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Constituent	Henry's Law Constant ($atm\text{-}m^3/mol$)	Vapor Pressure (mm Hg)	Log K_{ow}	Log K_{oc}	Water Solubility (mg/L)
VOLATILE ORGANIC COMPOUNDS					
Chlorinated Ethenes/Ethanes					
1,1,1-Trichloroethane	1.70E-02 (a)	1.24E+02 (b)	2.49E+00 (b)	1.69E+00 (a)	4.40E+03 (b)
1,1-Dichloroethene	2.61E-02 (b)	6.00E+02 (b)	2.13E+00 (b)	1.81E+00 (b)	2.42E+03 (b)
1,2-Dichloroethane	1.18E-03 (b)	7.89E+01 (b)	1.48E+00 (b)	1.52E+00 (b)	8.60E+03 (b)
1-1 Dichloroethane	5.82E-03 (c)	2.34E+02 (c)	1.79E+00 (d)	1.48E+00 (c)	5.06E+03 (c)
Chloroform	3.20E-03 (c)	1.98E+02 (c)	1.97E+00 (d)	1.64E+00 (c)	9.30E+03 (c)
cis-1,2-Dichloroethene	4.10E-03 (b)	2.00E+02 (b)	1.86E+00 (b)	2.40E+00 (b)	6.41E+03 (b)
Tetrachloroethene	1.53E-02 (c)	2.00E+01 (c)	2.59E+00 (d)	2.42E+00 (c)	1.50E+02 (c)
trans-1,2-Dichloroethene	6.74E-03 (c)	4.10E+02 (c)	4.77E-01 (d)	1.77E+00 (c)	6.30E+03 (c)
Trichloroethene	9.10E-03 (c)	7.26E-01 (c)	2.38E+00 (d)	1.81E+00 (c)	1.10E+03 (c)
Vinyl Chloride	2.78E-02 (b)	2.98E+03 (b)	1.62E+00 (a)	1.76E+00 (b)	2.70E+03 (b)
Chlorofluorocarbons					
Freon 113	2.15E+01 (b)	3.63E+02 (b)	3.16E+02 (b)	3.16E+02	1.70E+02 (b)
Aromatic Hydrocarbons					
Toluene	6.74E-03 (c)	2.20E+01 (c)	2.13E+00 (c)	2.06E+00 (c)	4.90E+02 (c)

Abbreviations

$atm\text{-}m^3/mol$	Atmosphere meter cubed per mole
mm Hg	Millimeters of Mercury
mg/L	Milligrams per Liter
Log K_{ow}	Logarithm of n-Octanol-water partition coefficient
Log K_{oc}	Logarithm of Organic Cabon partition (or sorption) coefficient

Sources:
(a) Risk Assessment Information System (RAIS). Available at http://rais.ornl.gov.
(b) Hazardous Substances Databank
(c) Suthersan, 1997
(d) Nyer, 1992