#### Steven Scharf - NGC OU3 RI - Off-Site VPB GW Data

From: "Stern, David" <David.Stern@arcadis-us.com>
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**Date:** 1/23/2008 10:23 AM

**Subject:** NGC OU3 RI - Off-Site VPB GW Data

CC: "Cofman, John" <john.cofman@ngc.com>, "Wolfert, Mike" <Mike.Wolfert@arca...

**Attachments:** NGC TABLE 1. \_001.pdf

#### Steve:

Per your request, attached are the results from sampling for VOCs in off-site vertical profile borings for the OU3 RI, as provided previously in separate tables to NYSDEC. The figure that should be utilized with these data is included in the off-site RI work plan currently under your review. Feel free to call if you have questions.

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Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

Volatile Organic Compounds  1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene	Site ID: Sample ID: Sample Date:	VP-100(46-51) 9/15/2006	VP-100(55-60) 9/15/2006	VP-100(75-80) 9/14/2006	VP-100(105-110) R 9/14/2006	9/14/2006
Volatile Organic Compounds 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromomethane Carbon disulfide Carbon tetrachloride Chlorodifluoromethane Chloroethane Chloroform Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Cis-1,2-Dichloroethylene	-	9/15/2006 <5	9/15/2006	9/14/2006	9/14/2006	9/14/2006
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene						
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene						
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane Chloroform Chloromethane cis-1,2-Dichloroethylene		_	<10	<5	<5	<5
1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane Chloromethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<5	<10	<5	<5	<5
1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane Chloromethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<5	<10	<5	<5	<5
1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane Cis-1,2-Dichloroethylene		<5	<10	<5	<5	<5
1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<5	<10	<5	<5	<5
1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<5	<10	<5	<5	<5
2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloroform Chloromethane cis-1,2-Dichloroethylene		<5	<10	<5	<5	<5
2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<10	<10	<10	<10	<10
4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<10	<10	<10	<10	<10
Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<10	0.27 J	<10	<10	<10
Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<10	<10	<10	<10	<10
Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<0.7	<10	<0.7	<0.7	< 0.7
Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<5	<10	<5	<5	<5
Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene			<10	<5	<5	<5
Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<5 .5	<10	<5	<5	<5
Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<5	<10	<5	<5	<5
Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<b>&lt;</b> 5		<5	<5	<5
Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<b>&lt;</b> 5	<10	<5	<5	<5
Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene		<5	<10	14	3 J	3 J
Chloroform Chloromethane cis-1,2-Dichloroethylene		0.95 J	1.2 J		<b>&lt;</b> 5	<b>&lt;</b> 5
Chloromethane cis-1,2-Dichloroethylene		<5	<10	<5	2 J	2 J
cis-1,2-Dichloroethylene		0.77 J	0.63 J	9		<b>~5</b>
		<5	<10	<b>&lt;</b> 5	<5 440	150
1 4 0 D1-1-1		15	13	100	140	<5
cis-1,3-Dichloropropene		<5	<10	<5	<5	
Dibromochloromethane		<5	<10	<5	<5 -	<5 -5
Dichlorodifluoromethane		<5	<10	<5	<b>&lt;</b> 5	<b>&lt;</b> 5
Ethylbenzene		<5	<10	<5	<5	<5
Freon 113		<5	<10	<5	<5	<b>&lt;</b> 5
Methylene chloride		<5	<10	<5B	<5B	<5B
Styrene		<5	<10	<5	<5	<b>&lt;</b> 5
Tetrachloroethene		<5	<10	<5	<5	<5
Toluene		<5	0.48 J	2 J	1 J	0.8 J
trans-1,2-Dichloroethylene		<5	<10	<5	<5	<5
trans-1,3-Dichloropropene		<5	<10	<5	<5	<5
Trichloroethene		2.5 J	2.4 J	17	22	23
Vinyl Acetate		<5	<10	<5	<5	<5
Vinyl Choride		0.19 J	0.12 J	<2	<2	<2
Xylene-O						
Xylene-M,P						
Xylene (total)		<5	<10	<5	<5	<5
Ayrono (total)				- 10	400	178.8
TVOCs		19.41	18.1	142	168	1/0.0

	Site ID:	VP-100	VP-100	VP-100	VP-100	VP-100
0.0110717117117		VP-100(125-130)	VP-100(145-150)	VP-100(160-165)	VP-100(180-185)	VP-100(190-19
CONSTITUENT	Sample Date:	9/13/2006	9/13/2006	9/12/2006	9/12/2006	9/12/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	3 J	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
I-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		0.7 J	0.7 J	2 J	<5	2 J
Chloromethane		<5	<5	<5	<5	<5
is-1,2-Dichloroethylene		930 D	1500 D	360 D	66	16
is-1,3-Dichloropropene		<b>&lt;</b> 5	<5	<5	<5	<5
Dibromochloromethane		<b>&lt;</b> 5	<5	<5	<5	<5
Dichlorodifluoromethane		<b>&lt;</b> 5	<5	<5	<5	<5
thylbenzene		<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<5	<5
reon 113		<b>&lt;</b> 5	<5	<5	<5	<5
Methylene chloride		<5	<b>&lt;</b> 5	<5	<5	<5
tyrene		<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<5
etrachloroethene		<5	<b>&lt;</b> 5	<5	<5	0.6 J
oluene		<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<b>&lt;</b> 5	<5
ans-1,2-Dichloroethylene		0.9 J	<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<5
ans-1,3-Dichloropropene richloroethene		<5	<5	<5 =0	<5	<5
		97	190	78	32	20
inyl Acetate		<5	<5 **	<5	<5	<5
inyl Choride ylene-O		<2	<2	2 J	<2	<2
ylene-U ylene-M,P						
				.=		<b></b>
(ylene (total)		<5	<5	<5	<5	<5
VOCs		1028.6	1690.7	445	98	

Vinyl Choride

Xylene (total)

Xylene-O Xylene-M,P

**TVOCs** 

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

3 of 66

Site ID: VP-100 VP-100 VP-100 VP-100 VP-100 Sample ID: VP-100(200-205) VP-100(210-215) VP-100(220-225) VP-100(230-235) REP090806(230) CONSTITUENT Sample Date: 9/11/2006 9/11/2006 9/11/2006 9/8/2006 9/8/2006 **Volatile Organic Compounds** 1,1,1-Trichloroethane <5 <5 <5 <5 <5 1,1,2,2-Tetrachloroethane <5 <5 <5 <5 <5 1,1,2-Trichloroethane <5 <5 <5 <5 <5 1,1-Dichloroethane <5 <5 <5 <5 <5 1,1-Dichloroethene <5 <5 <5 <5 <5 1,2-Dichloroethane <5 <5 <5 <5 <5 1,2-Dichloropropane <5 <5 <5 <5 <5 2-Butanone <10 <10 <10 <10 <10 2-Hexanone <10 <10 <10 <10 <10 4-Methyl-2-pentanone <10 <10 <10 <10 <10 Acetone <10 <10 <10 <10 <10 Benzene < 0.7 < 0.7 <0.7 < 0.7 < 0.7 Bromodichloromethane <5 <5 <5 <5 <5 Bromoform <5 <5 <5 <5 <5 Bromomethane <5 <5 <5 <5 <5 Carbon disulfide <5 <5 <5 <5 <5 Carbon tetrachloride <5 <5 <5 <5 <5 Chlorobenzene <5 <5 <5 <5 <5 Chlorodifluoromethane <5 2 J 2 J <5 <5 Chloroethane <5 <5 <5 <5 <5 Chloroform 0.6 J <5 <5 <5 <5 Chloromethane <5 <5 <5 <5 <5 cis-1,2-Dichloroethylene 11 22 17 3 J 3 J cis-1,3-Dichloropropene <5 <5 <5 <5 <5 Dibromochloromethane <5 <5 <5 <5 <5 Dichlorodifluoromethane <5 <5 <5 <5 <5 Ethylbenzene <5 <5 <5 <5 <5 Freon 113 <5 <5 <5 <5 <5 Methylene chloride <5 <5 <5 <5 <5 Styrene <5 <5 <5 <5 <5 Tetrachloroethene <5 <5 <5 2 J 0.9 J Toluene 0.8 J <5 <5 1 J 1 J trans-1,2-Dichloroethylene <5 <5 <5 <5 <5 trans-1,3-Dichloropropene <5 <5 <5 <5 <5 Trichloroethene 11 15 14 20 20 Vinyl Acetate <5 <5 <5 <5 <5

<2

--

<5

39

<2

<5

33

<2

<5

26

<2

<5

24.9

<2

<5

23.4

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

Volatile Organic Compounds  1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane	Sample ID: Sample Date:	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
Volatile Organic Compounds  1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene	Sample Date:	9/8/2006	9/7/2006	9/7/2006	9/6/2006	0/6/0006
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene					5,5,2000	9/0/2006
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene						
1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<5
1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<5
1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<5
1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<5
1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<b>&lt;</b> 5
2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<5
2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<5
4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<10	<10	<10	<20	<10
Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<10	<10	<10	<20	<10
Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<10	<10	<10	<20	<10
Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<10	<10	<10	<20	<10
Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<0.7	<0.7	<0.7	<1	<0.7
Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<5
Carbon disulfide Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<5
Carbon tetrachloride Chlorobenzene		<5	<5	<5	<10	<5
Chlorobenzene		<5	<5	<5	<10	<5
-		<5	<5	<5	<10	<5
Chlorodifluoromethane		<5	<5	<5	<10	<5
		<5	<5	<5	<10	<5
Chloroethane		<5	<5	<5	<10	<5
Chloroform		<5	<5	<5	<10	<5
Chloromethane		<5	<5	<5	<10	<5
cis-1,2-Dichloroethylene		2 J	3 J	8	7 J	<5
cis-1,3-Dichloropropene		<5	<5	<5	<10	<5
Dibromochloromethane		<5	<5	<5	<10	<5
Dichlorodifluoromethane		<5	<5	<5	<10	<5
Ethylbenzene		<5	<5	<5	<10	<5
Freon 113		<5	<5	<5	<10	<5
Methylene chloride		<5	<5	<5	<10	<5
Styrene		<5	<5	<5	<10	<5
Tetrachloroethene		3 J	2 J	3 J	<10	3 J
Toluene		<5	8	3 J	1 J	1 J
trans-1,2-Dichloroethylene		<5	<5	<5	<10	<5
trans-1,3-Dichloropropene		<5	<5	<5	<10	<5
Trichloroethene		47	86	240 D	190	18
Vinyl Acetate		<5	<5	<5	<10	<5
Vinyl Choride		<2	<2	<2	<4	<2
Xylene-O					••	
Xylene-M,P						
Xylene (total)	····	<5	<5	<5	<10	<5
TVOCs						

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-100	VP-100	VP-100	VP-100	VP-100
	Sample ID:	VP-100(330-335)	REP090506(330)	VP-100(350-355)	VP-100(371-376)	VP-100(394-399
CONSTITUENT	Sample Date:	9/5/2006	9/5/2006	9/5/2006	9/1/2006	9/1/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<b>&lt;</b> 5	<5	<5	<5	<5
Chloroethane		<5 -	<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<5
Chloroform		<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<5	<5
Chloromethane		<5 ~	<b>&lt;</b> 5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5
cis-1,2-Dichloroethylene		<5 -	<5	<b>&lt;</b> 5	<5	<5
cis-1,3-Dichloropropene		<5 - 5	<b>&lt;</b> 5	<5	<5	<b>&lt;</b> 5
Dibromochloromethane		<5 -5	<5	<5	<5	<b>&lt;</b> 5
Dichlorodifluoromethane		<5	<b>&lt;</b> 5	<5	<5 -	<b>&lt;</b> 5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		0.9 J	0.8 J	<5 -5	<5 	0.7 J
Methylene chloride		<5	<5	<5 -15	<5 -5	<5 -5
Styrene Fetrachloroethene		<5 <b>6</b>	<5 •	<5 -5	<5	<5
Foluene		в 1 J	7 1 J	<5	0.5 J	0.8 J
rans-1,2-Dichloroethylene		<5		<5	<b>0.7 J</b> <5	<5
rans-1,3-Dichloropropene		<5	<5 <5	<5 <5	<5 <5	<5 <5
richloroethene		11				
/inyl Acetate		<5	<b>12</b> <5	2 J	0.6 J	1 J
/inyl Choride		<2	<5 <2	<5 <2	<5	<5
Kylene-O		< <u>~</u>		<2	<2	<2
(ylene-M,P		<del></del>	 			
Kylene (total)		 <5	 <5	 <5	 <5	 <5
sylono (lotal)					73	
TVOCs		18.9	20.8	2	1.8	2.5

	Site ID:	VP-101	VP-101	VP-101	VP-101	VP-101
	Sample ID:	VP-101 (60')	VP-101 (80')	VP-101 (100')	VP-101 (120')	VP-101 (140
CONSTITUENT	Sample Date:	6/27/2006	6/27/2006	6/28/2006	6/28/2006	6/28/2006
Volatile Organic Compound	s					
1,1,1-Trichloroethane	_	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<b>&lt;</b> 5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<36	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<b>&lt;</b> 5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5 <5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
reon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<10	<5	<5	
Styrene		<5	<5	<5	<5	<5 <5
etrachloroethene		<5	<5	<5	<5	<5
oluene		<5	<5	<5		<5
rans-1,2-Dichloroethylene		<5	<5	<5	<5 <5	<5
ans-1,3-Dichloropropene		<5	<5	<5 <5		<5 <5
richloroethene		<5	<5	<5 <5	<5 <5	<5
'inyl Acetate		<5	<5 <5	<5 <5		<5 <5
'inyl Choride		<2	<2	<2	<5	<5
(ylene-O		~2		~4	<2	<2
(ylene-M,P			<del></del>			
(ylene (total)		 <5	 <b>&lt;</b> 5	 <5	 <5	 <5
				~	-73	<u> </u>
VOCs		0	0	0	0	0

Volatile Organic Compounds         4/39/2006         6/39/2006         6/30/200		Site ID:	VP-101	VP-101	VP-101	VP-101	VP-101
Volatile Organic Compounds	CONCERTION	•					REP063006
1,1-1-Trichloroethane	CONSTITUENT	Sample Date:	6/29/2006	6/29/2006	6/30/2006	6/30/2006	6/30/2006
1,1,1-Trichloroethane	Volatile Organic Compounds						
1.1.2.2-Tichloroethane			<5	<5	<5	<5	<5
1,1,2-Trichloroethane         <5	1,1,2,2-Tetrachloroethane		<5	<5			<b>&lt;</b> 5
1,1-Dichloroethane	1,1,2-Trichloroethane		<5	<5	<5		<b>&lt;</b> 5
1,1-Dichloroethene	1,1-Dichloroethane		<5	<5			<5
1,2-Dichloroerbane	1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloropropane	1,2-Dichloroethane		<5	<5	<5		<5
2-Butanone	1,2-Dichloropropane		<5	<5	<5	<5	<5
4-Methyl-2-pentanone	2-Butanone		<10	<10	<10	<10	<10
Acetone	2-Hexanone		<10	<10	<10	<10	<10
Acetone         <10	4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Bromodichloromethane	Acetone		<10	<10	4 J	5 J	5 J
Bromofichloromethane	Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Second   S	Bromodichloromethane		<5	<5	<5		<5
Carbon disulfide	Bromoform		<5	<5	<5	<5	<5
Carbon tetrachloride	Bromomethane		<5	<5	<5	<5	<5
Chlorobenzene	Carbon disulfide		<5	<5	<5	<5	<5
Chlorodifluoromethane	Carbon tetrachloride		<5	<5	<5	<5	<5
Chloroethane			<5	<5	<5	<5	<5
Chloroform	Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloromethane	Chloroethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene         <5	Chloroform		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene         <5	Chloromethane		<5	<5	<5	<5	<5
Dibromochloromethane         <5			<5	<5	<5	<5	<5
Dichlorodifluoromethane         <5			<5	<5	<5	<5	<5
Ethylbenzene				<5	<5	<5	<5
Freon 113         <5			<5	<5	<5	<5	<5
Methylene chloride         <5	=					<5	<5
Styrene         <5						<5	<5
Fetrachloroethene         <5							<5
Foluene         <5							<5
rans-1,2-Dichloroethylene							<5
rans-1,3-Dichloropropene       <5	· ·						<5
Frichloroethene     <5							<5
/inyl Acetate     <5							<5
/inyl Choride     <2							<5
(ylene-O           (ylene-M,P           (ylene (total)     <5	•						<5
Cylene-M,P <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>&lt;2</td>	-						<2
Vylene (total)         <5         <5         <5         <5	-						
	•						
2400	ylene (total)		<5	<5	<5	<5	<5
VIN'S 0 06 4 00 F	VOCs		0	0.6	4	6.8	5

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-101	VP-101	VP-101	VP-101	VP-101
CONCILLIENT	Sample ID:	VP-101 (240)	VP-101 (260)	VP-101 (287)	VP-101 (300)	VP-101(320
CONSTITUENT	Sample Date:	7/5/2006	7/5/2006	7/6/2006	7/6/2006	7/6/2006
/olatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane			<5		<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<b>&lt;</b> 5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
1-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<10
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
is-1,2-Dichloroethylene		<b>&lt;</b> 5	<5	<5	<5	<5
is-1,3-Dichloropropene		<b>&lt;</b> 5	<5	<5	<5	<5
Dibromochloromethane		<b>&lt;</b> 5	<5	<5	<5	<5
Dichlorodifluoromethane		<b>&lt;</b> 5	<5	<5	<5	<10
thylbenzene		<5	<5	<5	<5	<5
reon 113		<5 .5	<5	<5	<5	<5
fethylene chloride tyrene		<5	<5 . <del>.</del>	<b>&lt;</b> 5	<5	<5
etrachloroethene		<5	<5 -5	<5 -	<b>&lt;</b> 5	<5
etrachioroethene oluene		<5 <5	<5	<5 	<5 -	<b>&lt;</b> 5
ans-1,2-Dichloroethylene		<5 <5	<5	<5 -5	<5 .5	<b>&lt;</b> 5
ans-1,2-Dichloropropene		<5 <5	<5	<5	<5 -15	<5
richloroethene		<5 <5	<5 <5	<5	<5	<5 .5
inyl Acetate		<5 <5	<5 <5	<5	<5 -5	<b>&lt;</b> 5
inyl Choride		<2	<5	<5 <2	<5	<5 =0
ylene-O			<2	<2	<2	<2
ylene-M,P		 				
ylene (total)		 <5	 <5	 <5	 -E	 -E
, (*****)	***************************************			\3	<5	<5
VOCs		0	0	0	0	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-101	VP-101	VP-101	VP-101	VP-101
	Sample ID:	VP-101(340)	VP-101(360)	VP-101 (387)	VP-101 (400)	VP-101 (420
CONSTITUENT	Sample Date:	7/6/2006	7/7/2006	7/10/2006	7/10/2006	7/11/2006
/olatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<b>&lt;</b> 5
1,1,2-Trichloroethane		<5	<5	<5	<5	<b>&lt;</b> 5
1,1-Dichloroethane		<5	<5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<b>&lt;</b> 5	<5	<5	<5	< <b>5</b>
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		6 J	<10	4 J	6 J	<10
Renzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<10	<10	<10	<10	<10
Chloroethane		<5	<10 <5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5 <5
Chloromethane		<5 <5	<5	<5	<5 <5	<5
		<5			<5	<5
cis-1,2-Dichloroethylene		-	<5	<5 <5	<5 <5	<5
cis-1,3-Dichloropropene		<5	<5			<5
Dibromochloromethane		<5	<5 -10	<5	<5	
Dichlorodifluoromethane		<10	<10	<10	<10	<10
Ethylbenzene		<5	<5 	<b>&lt;</b> 5	<5 	<5 -5
Freon 113		<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5
Methylene chloride		<5 -5	<5	<b>&lt;</b> 5	<5 - 5	<b>&lt;</b> 5
Styrene		<5	<5 	<b>&lt;</b> 5	<b>&lt;</b> 5	<5 -5
Fetrachloroethene		<5 -5	<5 -5	<5	<5	<5
Foluene		<b>&lt;</b> 5	<5	<5	<5 	<5 
rans-1,2-Dichloroethylene		<5 -	<b>&lt;</b> 5	<b>&lt;</b> 5	<5 	<5
rans-1,3-Dichloropropene		<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<b>&lt;</b> 5	<5
Trichloroethene		<b>&lt;</b> 5				
/inyl Acetate		<5	<5	<5	<5	<5
/inyl Choride		<2	<2	<2	<2	<2
Kylene-O						
Xylene-M,P						
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		6	0	4	6	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-101	VP-101	VP-101	VP-101	VP-102
	Sample ID:	VP-101 (440)	VP-101 (460)	VP-101 (480)	VP-101(507)	VP-102(45-50
CONSTITUENT	Sample Date:	7/11/2006	7/11/2006	7/12/2006	7/13/2006	10/13/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<18
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<10	<10	<10	<5	<5
Chloroethane		<5	<5	<5	<5	<b>&lt;</b> 5
Chloroform		<5	<b>&lt;</b> 5	<5	<5	<b>&lt;</b> 5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<10	<10	<10	<5	. <5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Fetrachloroethene		<5	<5	<5	<5	<5
Foluene		<5	<5	<5	<5	1.6 J
rans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
rans-1,3-Dichloropropene		<5	<5	<5 <5	<5	<5
Frichloroethene		<5	<5	<5	<5	14
/inyl Acetate		<5	<5	<5	<5	<5
/inyl Choride		<2	<2	<2	<2	<2
Kylene-O		~2 		~2 <del></del>	~2 	
Kylene-O Kylene-M,P		 			<del></del>	
Xylene (total)		 <5	<5	 <b>&lt;</b> 5	 <b>&lt;</b> 5	 <5
Sylene (lotal)						
TVOCs		0	0	0	0	15.6

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample ID:	VP-102(65-70)	REP101306 (2)65	VP-102(85-90)	VP-102(105-110)	VP-102(125-13
CONSTITUENT	Sample Date:	10/13/2006	10/13/2006	10/13/2006	10/12/2006	10/12/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<b>&lt;</b> 5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		0.32 J	0.37 J	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<b>&lt;</b> 5 ·	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	0.42 J	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
reon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
etrachloroethene		<5	<5	<5	<5	<5
oluene		4.2 J	4 J	4.4 J	7.2	1.6 J
ans-1,2-Dichloroethylene		<b>&lt;</b> 5	<5	<5	<5	<5
rans-1,3-Dichloropropene		<b>&lt;</b> 5	<5	<5	<5	<5
richloroethene		33	34	13	34	16
finyl Acetate		<5	<5	<5	<5	<5
/inyl Choride		<2	<2	<2	<2	<2
(ylene-O						
(ylene-M,P		 -E	 		<del></del>	
(ylene (total)		<5	<5	<5	<5	<5
VOCs		37.52	38.79	17.4	41.2	17.6

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

CONSTITUENT         Sample Date:         10/11/2006         11/11/2016         10/11/2006         10/1		Site ID:	VP-102	VP-102	VP-102	VP-102	VP-102
Volatile Organic Compounds	0.01.07.7			VP-102 (150-155	VP-102 (160-165	VP-102 (170-175	VP-102 (180-18
1.1.1-Trichloroethane	CONSTITUENT	Sample Date:	10/11/2006	10/11/2006	10/11/2006	10/10/2006	10/10/2006
1.1.2.2-Trichloroethane	Volatile Organic Compounds						
1,1,2,2-Tirchloroethane 1,1-Dichloroethane 1,1-Dich	1,1,1-Trichloroethane		<5	<5	<5	<5	2.1
1.1.2-Trichloroethane         <5	1,1,2,2-Tetrachloroethane						
1.1-Dichloroethane	1,1,2-Trichloroethane						<5
1.1-Dichloroethene							
	1,1-Dichloroethene						1.9 J
	1,2-Dichloroethane						
2-Butanone	1,2-Dichloropropane						
2-Hexanone	2-Butanone		<10				
#-Methyl-2-pentanone	2-Hexanone		<10				
Acetone	4-Methyl-2-pentanone						
Senzene							
Saromoform    5	Benzene						<0.7
Standard	Bromodichloromethane						
Sommomethane	3romoform		<5				
Carbon disulfide         <5	3romomethane		<5				
Carbon tetrachloride         <5	Carbon disulfide						
Chlorobenzene	Carbon tetrachloride						
Chlorodifluoromethane         <5	Chlorobenzene		<5				
Chloroethane         <5	Chlorodifluoromethane		<5				
Chloroform         <5	Chloroethane		<5				
Chloromethane         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5	Chloroform		<5				
cis-1,2-Dichloroethylene         0.98 J         1.2 J         2.5 J         4.1 J         2.2 c           cis-1,3-Dichloropropene         <5	Chloromethane						
cis-1,3-Dichloropropene         <5	cis-1,2-Dichloroethylene		0.98 J				
Dibromochloromethane         <5	is-1,3-Dichloropropene						
Dichlorodifluoromethane         <5         <5         <5         <5           Ethylbenzene         <5	Dibromochloromethane		<5				
Ethylbenzene         <5	Dichlorodifluoromethane		<5	<5			
Section   113   13   14.1   15   15.1   15.2   15.2   15.3   15	thylbenzene						
Methylene chloride         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5	reon 113		<5				
styrene         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5 <t< td=""><td>lethylene chloride</td><td></td><td>&lt;5</td><td></td><td></td><td></td><td></td></t<>	lethylene chloride		<5				
etrachloroethene         <5	tyrene		<5				
coluene       4.3 J       5.1       3.5 J       0.64 J       <5         ans-1,2-Dichloroethylene       <5	etrachloroethene		<5				
ans-1,2-Dichloroethylene       <5	oluene		4.3 J	5.1			
ans-1,3-Dichloropropene       <5	ans-1,2-Dichloroethylene		<5				
richloroethene 83 86 140 150 78 inyl Acetate <	ans-1,3-Dichloropropene		<5				
inyl Acetate			83				
inyl Choride			<5	<5			
ylene-O							
ylene-M,P ylene (total) <5 <5 <5 <5 <5	ylene-O						<u></u>
ylene (total) <5 <5 <5 <5	ylene-M,P						
	ylene (total)		<5			<5	
VOCs 88.28 93.91 148.87 160.68 92.1	VOCs		88.28	93.91			92.1

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-102	VP-102	VP-102	VP-102	VP-102
CONSTITUENT	Sample ID:	VP-102 (190-195	VP-102 (200-205	VP-102 (220-225	VP-102 (240-245	VP-102 (250-255
CONSTITUENT	Sample Date:	10/6/2006	10/6/2006	10/5/2006	10/5/2006	10/4/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<b>.</b> E	_		
1,1,2,2-Tetrachloroethane		<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<10
1,1,2-Trichloroethane		<5	<5 -5	<b>&lt;</b> 5	<5	<10
1,1-Dichloroethane		12	<5	<5	<5	<10
1,1-Dichloroethene		3.3 J	3.6 J	<5	7.8	6.6 J
1,2-Dichloroethane		<b>5.5 3</b> <5	<5 -5	<5	1.5 J	2.2 J
1,2-Dichloropropane		<5	<5	<5	<5	<10
2-Butanone		<10	<5	<5	<5	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone			<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<10	<10	<10	<10	<10
Bromodichloromethane		<0.7	<0.7	<0.7	<0.7	<10
Bromoform		<b>&lt;</b> 5	<5	<5	<5	<10
Bromomethane		<b>&lt;</b> 5	<5	<5	<5	<10
Carbon disulfide		<5	<5	<5	<5	<10
Carbon tetrachloride		<5	<5	<5	<5	<10
Chlorobenzene		<5	<5	<5	<5	<10
Chlorodifluoromethane		<5	<5	<5	<5	<10
Chloroethane		<5	<5	<5	<5	<10
Chloroform		<5	<5	<5	<5	<10
		0.85 J	<5	<5	<5	<10
Chloromethane		<5	<5	<5	<5	<10
cis-1,2-Dichloroethylene		3 J	1.7 J	6.2	4.7 J	34 J
sis-1,3-Dichloropropene		<5	<5	<5	<5	<10
Dibromochloromethane		<5	<5	<5	<5	<10
Dichlorodifluoromethane		<5	<5	<5	<5	<10
thylbenzene		<5	<5	<5	<5	
reon 113		<5	<5	<5	<5	<10
lethylene chloride		<5	<5	<5	<5	<10
tyrene		<5	<5	<5	<5	<10
etrachloroethene		<5	<5	<5		<10
oluene		0.9 J	1.1 J	<5	<5 <5	<10
ans-1,2-Dichloroethylene		2.6 J	<5	<5	<5	<10
ans-1,3-Dichloropropene		<5	<5	<5 <5	<5	<10
richloroethene		110	62	190	<5	<10
inyl Acetate		<5	<5		180	340 D
inyl Choride		<2	<2	<5	<5	<10
ylene-O		-	74	<2	<2	1.2 J
ylene-M,P				<b>u-</b>		
/lene (total)		<5	 <5	 <5	 -E	
/OCs		W 104 00 00 00 00 00 00 00 00 00 00 00 00 0			<5	<10
		132.65				

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

Volatile Organic Compounds 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene Trichloroethene Vinyl Acetate Vinyl Choride Kylene-O Kylene-M,P Kylene (total)	): VP-102	VP-102	VP-102	VP-102	VP-102
Volatile Organic Compounds  1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloromethane Cis-1,2-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene rans-1,2-Dichloropropene Trichloroethene Frichloroethene Frichloroe	, ,	VP-102 (260-265	VP-102 (290-295	VP-102(300-305)	VP-102(310-31
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone 3-Genzene 3-modichloromethane 3-momomethane 3-momomethane 3-chloroethane 3-chlorodifluoromethane 3-chlorodifluoromethane 3-chlorodifluoromethane 3-chlorodifluoromethane 3-1,2-Dichloropropene 3-1,3-Dichloropropene 3-1,3-Dichloromethane 3-1,3-Dichloroethylene 3-1,3-Dichloroethylene 3-1,3-Dichloroethene 3-1,3-Dichloroethylene 3-1,3-Dichlor	: 10/4/2006	10/4/2006	10/2/2006	9/29/2006	9/29/2006
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 3-Methyl-2-pentanone 3-modichloromethane 3-momomethane 3-momometh					
1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromomethane Bromomethane Carbon disulfide Carbon tetrachloride Chloroethane Chloroethane Chloroethane Chloromethane Cis-1,2-Dichloropropene Dichlorodifluoromethane Cis-1,3-Dichloromethane Cityrene Cetrachloroethene Coluene Cans-1,2-Dichloroethylene Cityrene Cetrachloroethene Coluene Cans-1,2-Dichloropropene Coluene Cans-1,3-Dichloropropene Coluen	<10	<10	<5	<5	<5
1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromomethane Carbon disulfide Carbon tetrachloride Chloroethane Chloroethane Chloroethane Chloromethane Dis-1,2-Dichloropropene Dibromochloromethane Ethylbenzene Ethylbenzene Feron 113 Methylene chloride Styrene Fetrachloroethene Foluene Frans-1,2-Dichloropropene Foluene Frans-1,3-Dichloropropene Frichloroethene Foluene Frans-1,3-Dichloropropene	<10	<10	<5	<5	<5
1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chloroethane Chloroethane Chloroethane Chloromethane Dis-1,2-Dichloropropene Dibromochloromethane Ethylbenzene Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene Frans-1,2-Dichloropropene Frichloroethene Foluene Frans-1,3-Dichloropropene Frichloroethene Foluene Frans-1,3-Dichloropropene Frichloroethene Frichloroethene Frans-1,3-Dichloropropene Frichloroethene Frans-1,3-Dichloropropene Frichloroethene Frichloroethen	<10	<10	<5	<5	<b>&lt;</b> 5
1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone 3-Bromodichloromethane 3-romoform 3-romomethane 3-ro	5.8 J	8.7 J	9.3	17	12
1,2-Dichloropropane 2-Butanone 2-Hexanone 3-Methyl-2-pentanone Acetone 3-enzene 3-mondichloromethane 3-romoform 3-romomethane 3-romomethane 3-romothane 3-romothane 3-romothane 3-romothane 3-romothane 3-romothane 3-romothane 3-romothane 3-romothane 3-romothloromethane 3-romothloromethan	1.8 J	3.3 J	3.7 J	4.9 J	1.4 J
2-Butanone 2-Hexanone 3-Methyl-2-pentanone 3-Cetone 3-Enzene 3-Indexelore 3-Indexel	<10	<10	<5	<5	<5
2-Hexanone 4-Methyl-2-pentanone Acetone 3-Acetone 3-enzene 3-romodichloromethane 3-romoform 3-romomethane 3-romomethane 3-romomethane 3-romomethane 3-romomethane 3-romomethane 3-romodifluoromethane 3-romodifluoromethane 3-romomethane 3-romo	<10	<10	<5	<5	<b>&lt;</b> 5
A-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorodifluoromethane Chlorodifluoromethane Chlorodomethane Chloroform Chloromethane Cis-1,2-Dichloroethylene Dis-1,3-Dichloropropene Dibromochloromethane Citylbenzene Ereon 113 Methylene chloride Styrene Getrachloroethene Coluene Grans-1,2-Dichloroethylene Grans-1,3-Dichloropropene Grans-1,3-Dichloropropene Coluene Grans-1,3-Dichloropropene	<10	<10	<10	<10	<10
Acetone Benzene Bromodichloromethane Bromodorm Bromomethane Carbon disulfide Carbon tetrachloride Chlorodifluoromethane Chlorodifluoromethane Chloroethane Chloroform Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloropropene Dibromochloromethane Cithylbenzene Creon 113 Methylene chloride Cityrene Cetrachloroethene Coluene Cans-1,2-Dichloroethylene Cans-1,3-Dichloropropene Coluene Cans-1,3-Dichloroethylene Cans-1,3-Dichloroethylene Cans-1,3-Dichloropropene Circhloroethene Cinyl Acetate Cinyl Choride Cylene-O Cylene-M,P	<10	<10	<10	<10	<10
Benzene Bromodichloromethane Bromodorm Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chlorodifluoromethane Chloroform Chloromethane Cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Citylbenzene Freon 113 Methylene chloride Styrene Cetrachloroethene Coluene Frans-1,2-Dichloroethylene Frans-1,3-Dichloropropene Coluene Frans-1,3-Dichloropropene Crichloroethene Cinyl Acetate Cylene-O Cylene-M,P	<10	<10	<10	<10	<10
Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Cis-1,2-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Citylbenzene Freon 113 Methylene chloride Cityrene Cetrachloroethene Coluene Crans-1,2-Dichloroethylene Crans-1,3-Dichloropropene Crichloroethene Cinyl Acetate Cylene-O Cylene-M,P	<10	<10	<10	<10	<10
Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Cis-1,2-Dichloropropene Dibromochloromethane Cichlorodifluoromethane Cithylbenzene Greon 113 Methylene chloride Cityrene Cetrachloroethene Coluene Cans-1,2-Dichloroethylene Cans-1,3-Dichloropropene Cirichloroethene Cinyl Acetate Cinyl Choride Cylene-O Cylene-M,P	<10	<10	<0.7	<0.7	<0.7
Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloropropene Dibromochloromethane Cichlorodifluoromethane Cithylbenzene Creon 113 Methylene chloride Cityrene Cetrachloroethene Coluene Cans-1,2-Dichloroethylene Cans-1,3-Dichloropropene Cirichloroethene Cinyl Acetate Cylene-O Cylene-M,P	<10	<10	<5	<5	<5
Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloropropene Cibromochloromethane Cichlorodifluoromethane Cithylbenzene Circon 113 Methylene chloride Cityrene Cietrachloroethene Coluene Cians-1,2-Dichloroethylene Cians-1,3-Dichloropropene Circhloroethene Cinyl Acetate Cinyl Choride Cylene-O Cylene-M,P	<10	<10	<5	<5	<b>&lt;</b> 5
Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Chloromethane Cis-1,2-Dichloropropene Dibromochloromethane Cichlorodifluoromethane Cichlorodifluoromethane Cithylbenzene Creon 113 Methylene chloride Cityrene Cetrachloroethene Coluene Crans-1,2-Dichloroethylene Crans-1,3-Dichloropropene Crichloroethene Cinyl Acetate Cinyl Choride Cylene-O Cylene-M,P	<10	<10	<5	<5	<5
Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Chlorodifluoromethane Dichlorodifluoromethane Chylbenzene Creon 113 Methylene chloride Cityrene Cetrachloroethene Coluene Crans-1,2-Dichloroethylene Crans-1,3-Dichloropropene Crichloroethene Cinyl Acetate Cinyl Choride Cylene-O Cylene-M,P	<10	<10	<5	<5	<5
Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Chylbenzene Creon 113 Methylene chloride Cityrene Cetrachloroethene Coluene Crans-1,2-Dichloroethylene Crans-1,3-Dichloropropene Crinyl Acetate Cinyl Choride Cylene-O Cylene-M,P	<10	<10	<5	<5	<5
Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Cithylbenzene Greon 113 Methylene chloride Cityrene Getrachloroethene Goluene Grans-1,2-Dichloroethylene Grans-1,3-Dichloropropene Grinyl Acetate Grinyl Choride Gylene-O Gylene-M,P	<10	<10	<5	<5	<b>&lt;</b> 5
Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Ereon 113 Methylene chloride Styrene Eetrachloroethene Toluene Trans-1,2-Dichloroethylene Trans-1,3-Dichloropropene Trichloroethene Trichl	<10	<10	<5	0.38 J	<b>&lt;</b> 5
Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Greon 113 Methylene chloride Gtyrene Getrachloroethene Goluene Grans-1,2-Dichloroethylene Grans-1,3-Dichloropropene Grichloroethene Ginyl Acetate Ginyl Choride Gylene-O Gylene-M,P	<10	<10	<5	<5	< <b>5</b>
cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Greon 113 Methylene chloride Styrene Getrachloroethene Goluene Grans-1,2-Dichloroethylene Grans-1,3-Dichloropropene Grinyl Acetate Ginyl Choride Gylene-O Gylene-M,P	<10	<10	0.75 J	0.56 J	< <b>5</b>
cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene Trans-1,2-Dichloroethylene Trans-1,3-Dichloropropene Trichloroethene	<10	<10	<5	<5	<b>&lt;</b> 5
Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene Frans-1,2-Dichloroethylene Frans-1,3-Dichloropropene Frichloroethene Ginyl Acetate Gylene-O Gylene-M,P	31	47	71	79	18
Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Etyrene Fetrachloroethene Foluene Frans-1,2-Dichloroethylene Frans-1,3-Dichloropropene Frichloroethene Finyl Acetate Finyl Choride Eylene-O Eylene-M,P	<10	<10	<5	<5	<5
Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene Frans-1,2-Dichloroethylene Frans-1,3-Dichloropropene Frichloroethene Finyl Acetate Finyl Choride Fylene-O Fylene-M,P	<10	<10	<5	<5	<b>&lt;</b> 5
Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene Frans-1,2-Dichloroethylene Frans-1,3-Dichloropropene Frichloroethene Finyl Acetate Finyl Choride Fylene-O Fylene-M,P	<10	<10	<5	<5	< <b>5</b>
Methylene chloride Styrene Setrachloroethene Soluene Frans-1,2-Dichloroethylene Frans-1,3-Dichloropropene Frichloroethene Finyl Acetate Finyl Choride Fylene-O Fylene-M,P	<10	<10	<5	< <b>5</b>	<5
Styrene Setrachloroethene Setrachloroethene Soluene Seans-1,2-Dichloroethylene Seans-1,3-Dichloropropene Serichloroethene Sinyl Acetate Sylene-O Sylene-M,P	<10	<10	<5	<5	<5
etrachloroethene foluene rans-1,2-Dichloroethylene rans-1,3-Dichloropropene richloroethene rinyl Acetate rinyl Choride riylene-O rylene-M,P	<10	<10	<5.7	<9.9	<9.3
foluene rans-1,2-Dichloroethylene rans-1,3-Dichloropropene richloroethene rinyl Acetate rinyl Choride rylene-O ylene-M,P	<10	<10	<5	<5	<5
rans-1,2-Dichloroethylene rans-1,3-Dichloropropene richloroethene rinyl Acetate rinyl Choride rylene-O ylene-M,P	<10	<10	0.55 J	<5	<5
rans-1,3-Dichloropropene richloroethene rinyl Acetate rinyl Choride ylene-O ylene-M,P	2.8 J	8 J	5.9	<5	0.33 J
richloroethene finyl Acetate finyl Choride fylene-O ylene-M,P	<10	<10	0.61 J	<5	<5
inyl Acetate inyl Choride iylene-O ylene-M,P	<10	<10	<5	<5	<b>&lt;</b> 5
inyl Choride ylene-O ylene-M,P	330 D	440 D	1100 D	460 D	100
inyl Choride ylene-O ylene-M,P	<10	<10	<5	<5	<5
ylene-M,P	1.4 J	2.2 J	1.7 J	3.2	1.9 J
(ylene (total)	~-				
· · · · · · · · · · · · · · · · · · ·	<10	<10	<5	<5	<5
VOCs	372.8	509.2	1193.51	565.04	133.63

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-102	VP-102	VP-102	VP-102	VP-102
		VP-102(330-325)	REP092806(330)	VP-102(345-350)	VP-102(365-370)	VP-102 (370-37
CONSTITUENT	Sample Date:	9/28/2006	9/28/2006	9/28/2006	9/27/2006	10/3/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<10
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<10
1,1,2-Trichloroethane		<5	<b>&lt;</b> 5	<5	<5	<10
1,1-Dichloroethane		2.4 J	2.7 J	2.7 J	<5	11
1,1-Dichloroethene		1.9 J	2 J	1.2 J	<5	5.6 J
1,2-Dichloroethane		<5	<5	<5	<5	<10
1,2-Dichloropropane		<5	<5	<5	<5	<10
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<10
Bromodichloromethane		<5	<5	<5	<5	<10
Bromoform		<5	<5	<b>&lt;</b> 5	<5	<10
Bromomethane		<5	<5	<5	<5	<10
Carbon disulfide		<5	<5	<5	<5	<10
Carbon tetrachloride		<5	<5	<5	<5	<10
Chlorobenzene		<5	<5	<5	<5	<10
Chlorodifluoromethane		<5	<5	0.82 J	<5	<10
Chloroethane		<5	<5	<5	<5	<10
Chloroform		<5	<5	<5	<5	<10
Chloromethane		<5	<5	<5	<5	<10
cis-1,2-Dichloroethylene		21	22	15	<5	78
is-1,3-Dichloropropene		<5	<5	<5	<5	<10
Dibromochloromethane		<5	<5	<5	<5	<10
Dichlorodifluoromethane		<5	<5	<5	<5	<10
Ethylbenzene		<5	<5	<5	<5	<10
reon 113		<5	<5	<5	<5	<10
fethylene chloride		<5	<5	<5	<5	<10
tyrene		<5	<5	<5	<5	<10
etrachloroethene		<5	<5	<5	<5	<10
oluene		0.61 J	0.72 J	<5	<5	5.4 J
ans-1,2-Dichloroethylene		<5	<5	<5	<5	<10
ans-1,3-Dichloropropene		<5	<5	<5	<5	<10
richloroethene		310 D	300 D	200	1.7 J	1000 D
inyl Acetate		<5	<5	<5	<5	<10
inyl Choride		<2	<2	0.13 J	<2	3.3 J
ylene-O						
ylene-M,P		**				
ylene (total)	·····	<5	<5	<5	<5	<10
VOCs		335.91				

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-102	VP-103	VP-103	VP-103	VP-103
		VP-102 (380-385	VP-103 (60')	VP-103 (80')	VP-103 (100')	VP-103 (120'
CONSTITUENT	Sample Date:	10/3/2006	10/10/2006	10/10/2006	10/10/2006	10/10/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<10	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<10	<5	<5	<5	<5
1,1,2-Trichloroethane		<10	<5	<5	<5	<5
1,1-Dichloroethane		<10	<5	<5	< <b>5</b>	<5
1,1-Dichloroethene		1.5 J	<5	<5	<5	<5
1,2-Dichloroethane		<10	<5	<5	<5	<5
1,2-Dichloropropane		<10	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<10	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<10	<5	<5	<5	<5
3romoform		<10	<5	<5	<5	<b>&lt;</b> 5
Bromomethane		<10	<5	<5	<5	<b>&lt;</b> 5
Carbon disulfide		<10	<5	<5	<5	<b>&lt;</b> 5
Carbon tetrachloride		<10	<5	<5	<5	<5
Chlorobenzene		<10	<5	<5	<5	<b>&lt;</b> 5
Chlorodifluoromethane		<10	<5	<5	<5	<5
Chloroethane		<10	<5	<5	<5	<5
Chloroform		0.44 J	<5	<5	<5	0.43 J
Chloromethane		<10	<5	<5	<5	<5
cis-1,2-Dichloroethylene		23	<5	<5	<5	<5
cis-1,3-Dichloropropene		<10	<5	<5	<5	<5
Dibromochloromethane		<10	<5	<5	<5	<5
Dichlorodifluoromethane		<10	<5	<5	<5	<5
Ethylbenzene		<10	<5	<5	<5	<5
Freon 113		2.4 J	<5	<5	<5	<5
Methylene chloride		<10	<5	<5	<5	<5
Styrene		<10	<5	<5	<5	<5
etrachloroethene		1.7 J	<5	<5	<5	<5
oluene		4.6 J	<5	<5	<5	<5
ans-1,2-Dichloroethylene		<10	<5	<5	<5	<b>&lt;</b> 5
ans-1,3-Dichloropropene		<10	<5	<5	<5	< <b>5</b>
richloroethene		1100 D	<5	<5	<5	<5
inyl Acetate		<10	<5	<5	<b>&lt;</b> 5	<5
'inyl Choride		0.34 J	<2	<2	<2	<2
(ylene-O				***		
(ylene-M,P						
ylene (total)	······································	<10	<5	<5	<5	<5

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample ID:	VP-103 (140)	VP-103 (165)	VP-103 (180)	VP-103(200)	VP-103(220
CONSTITUENT	Sample Date:	10/11/2006	10/11/2006	10/11/2006	10/12/2006	10/12/2006
/olatile Organic Compounds	5					
1,1,1-Trichloroethane	<del></del>	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<b>&lt;</b> 5	<5	<5
1,2-Dichloroethane		<5	<5	<b>&lt;</b> 5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
1-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
3romoform		<5	<5	<5	<5	<5
3romomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<b>&lt;</b> 5	<5	<5
Carbon tetrachloride		<5	<5	<5	<b>&lt;</b> 5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<b>&lt;</b> 5	<5	<5
Chloromethane		<5	<5	<5	<b>&lt;</b> 5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<b>&lt;</b> 5
Ethylbenzene		<5	<5	<5	<5	< <b>5</b>
reon 113		<5	<5	<5	<5	<5
/lethylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
etrachloroethene		<5	<5	<5	<5	<5
oluene		<5	<5	<5	<5	<5
ans-1,2-Dichloroethylene		<5	<5	<b>&lt;</b> 5	<5	<5
ans-1,3-Dichloropropene		<5	<5	<5	<5	<b>&lt;</b> 5
richloroethene		<5	<5	<5	<5	<5
inyl Acetate		<5	<5	<5	<5	<5
inyl Choride		<2	<2	<2	<2	<2
ýlene-O						
ylene-M,P						
ylene (total)		<5	<5	<5	<5	<5
VOCs		0	•			
1003		0	0	0	0	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

CONSTITUENT         Sample Date:         10/12/2006         10/12/2006         10/13/2006         10/16/2006         29 J         11,1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		Site ID:	VP-103	VP-103	VP-103	VP-103	VP-103
Volatile Organic Compounds	CONCTITUENT						VP-103 (345
1.1.1-Trichloroethane	CONSTITUENT	Sample Date:	10/12/2006	10/12/2006	10/13/2006	10/16/2006	10/16/2006
1.1.1-Trichloroethane	Volatile Organic Compounds						
1.1.2.2-Tirchloroethane			<5	10	<5	16	29.1
1.1.2-Trichtoroethane         <5	1,1,2,2-Tetrachloroethane						
1,1-Dichloroethane	1,1,2-Trichloroethane						
1.1-Dichloroethene	1,1-Dichloroethane		<5	19			
2-Dichloroethane	1,1-Dichloroethene						
	1,2-Dichloroethane		<5	<5			
2-Butanone	1,2-Dichloropropane		<5	<5			
2-Hexanone	2-Butanone		<10	<10	<10	<10	
#Methyl-2-pentanone	2-Hexanone		<10	<10	<10		
Acetone	4-Methyl-2-pentanone		<10	<10			
Benzene			<10	<10			
Strong   S	Benzene		<0.7	<0.7			
Second   S	Bromodichloromethane		<5	<5			
Carbon disulfide	3romoform		<5	<5		<5	
Carbon disulfide	3romomethane		<5	<5		<5	
Carbon tetrachloride	Carbon disulfide		<5	<5	<5	<5	
Chlorobenzene	Carbon tetrachloride		<5	<5	<5	2J	
Chloroethane         <5			<5	<5			
Chloroethane         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5	Chlorodifluoromethane		<5	<5	<5	<5	
Chloroform         <5	Chloroethane		<5	<5	<5		
is=1,2-Dichloroethylene   55	Chloroform		<5	1.4 J	<5		
cis-1,3-Dichloropropene         <5	Chloromethane		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene         <5	cis-1,2-Dichloroethylene		55	110	13	270	190 J
Sichlorodifluoromethane	cis-1,3-Dichloropropene		<5	<5	<5	<5	
Street   S	Dibromochloromethane		<5	<5	<5	<5	
Ethylbenzene         <5	Dichlorodifluoromethane		<5	<5	<5	<5	<5
Freen 113         <5	Ethylbenzene		<5	<5	<5		
Styrene         <5	Freon 113		<5	<5	<5		
retrachloroethene         <5	/lethylene chloride		<5	<5	<5	<5	<5
Tetrachloroethene         <5	Styrene		<5	<5	<5	<5	<5
foluene         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5         <5 <t< td=""><td>etrachloroethene</td><td></td><td>&lt;5</td><td>&lt;5</td><td>&lt;5</td><td></td><td></td></t<>	etrachloroethene		<5	<5	<5		
rans-1,2-Dichloroethylene       <5	oluene		<5	<5	<5		
rans-1,3-Dichloropropene     <5     <5     <5     <5     <5       frichloroethene     43     280 D     25     1900 D     450 DJ       finyl Acetate     <5			<5	0.37 J	<5		
Trichloroethene         43         280 D         25         1900 D         450 DJ           Vinyl Acetate         <5	rans-1,3-Dichloropropene		<5	<5	<5		
(inyl Choride     <2			43	280 D	25		
(inyl Choride     <2			<5	<5	<5	<5	<5
Sylene-O            Sylene-M,P            Sylene (total)     <5							
(ylene (total) <5 <5 <5 <5 <5							
VOCs 00 420.07 20 00444 077.07	(ylene (total)		<5	<5	<5	<5	<5
	VOCs		98	430.07	38	2244.4	659.25

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample ID:	REP101606	VP-103 (360)	VP-103 (380)	VP-103 (400)	VP-103(420)
CONSTITUENT	Sample Date:	10/16/2006	10/17/2006	10/17/2006	10/17/2006	10/18/2006
Volatile Organic Compounds	<u>.</u>					
1,1,1-Trichloroethane		2.4 J	4.1 J	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		8.6	<5	<5	<5	<5
1,1-Dichloroethene		3.7 J	5.3	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
3romomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		1.1 J	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		150 J	14	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
rans-1,2-Dichloroethylene		0.19 J	<5	<5	<5	< <b>5</b>
rans-1,3-Dichloropropene		<5	<5	<5	<b>&lt;</b> 5	<5
Frichloroethene		320 DJ	380 D	3.4 J	0.51 J	<5
/inyl Acetate		<5	<5	<5	<5	<b>&lt;</b> 5
/inyl Choride		<2	<2	<2	<2	<2
Kylene-O					<del>-</del> 	
Kylene-M,P				<del></del>		
Xylene (total)		 <5	<5	<5	<5	<5
TVOCs		485.99	403.4	3.4	0.51	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

CONSTITUENT	Site ID: Sample ID: Sample Date:	VP-103 VP-103(440) 10/18/2006	VP-103 VP-103(460) 10/18/2006	VP-103 VP-103(480) 10/18/2006	VP-103 VP-103 (500) 10/19/2006	VP-103 VP-103 (525 10/19/2006
CONSTITULINI	Sample Date.	10/10/2000	10/10/2000	10/16/2000	10/19/2000	10/19/2000
Volatile Organic Compound	<u>s</u>					
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Γoluene		<5	<5	<5	<5	<5
rans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
rans-1,3-Dichloropropene		<5	<5	<5	<5	<5
richloroethene		<5	<5	<5	<5	<5
/inyl Acetate		<5	<5	<5	<5	<5
/inyl Choride		<2	<2	<2	<2	<2
Kylene-O						
Kylene-M,P						
Kylene (total)		<5	<5	<5	<5	<5
m.a.a			_	_	_	_
TVOCs		0	0	0	0	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-103	VP-103	VP-103	VP-103	VP-103
0.01107171171	Sample ID:	VP-103 (545)	VP-103 (560)	VP-103 (580 )	VP-103 (600 )	VP-103 (620 )
CONSTITUENT	Sample Date:	10/20/2006	10/20/2006	10/23/2006	10/23/2006	10/23/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<b>&lt;</b> 5	<5
Styrene		<b>&lt;</b> 5	<5	<5	<5	< <b>5</b>
Tetrachloroethene		<5	<5	<5	<5	<5
Foluene		<5	<5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5
rans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
rans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		· <u>~</u>	· <u>·</u>	- <u>-</u>	- <del>-</del> -	
Xylene-M,P						<del></del>
Xylene (total)		 <5	 <5	 <5	 <5	 <b>&lt;</b> 5
TVOCs		0	0	0	0	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-103	VP-103	VP-103	VP-104	VP-104
	Sample ID:	VP-103(640)	REP102406(640)	VP-103(660)	VP-104 (60)	VP-104 (80)
CONSTITUENT	Sample Date:	10/24/2006	10/24/2006	10/24/2006	7/28/2006	7/28/2006
/olatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
I,1-Dichloroethane		<5	<5	<5	<5	<5
,1-Dichloroethene		<5	<5	<5	<5	<5
,2-Dichloroethane		<5	<5	<5	<5	<5
,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<16	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5 <5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
etrachloroethene		<5	<5	<5	<5	<5
oluene		<5	<5	<5	<5	<5
rans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
rans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Frichloroethene		<5	<5	<5	<5	1 J
/inyl Acetate		<5	<5	<5	<5	<b>&lt;</b> 5
/inyl Choride		<2	<2	<2	<2	<2
(ylene-O			~2			
(ylene-M,P						
Cylene (total)		 <5	 <5	 <5	 <5	 <5
,		<del>-</del>				
TVOCs		0	0	0	0	1

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

CONSTITUENT	Sample ID:	VP-104 (100)	1.00 404 (400)			
CONSTITUENT		VF-104 (100)	VP-104 (120)	VP-104 (140)	REP073106	VP-104 (160)
	Sample Date:	7/31/2006	7/31/2006	7/31/2006	7/31/2006	7/31/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		< 0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		2 J	150	8	10	19
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O						
Xylene-M,P						
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		2	150	8	10	19

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

***************************************	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104(180)	VP-104(200)	VP-104(220)	VP-104(240)	VP-104(260)
CONSTITUENT	Sample Date:	8/1/2006	8/1/2006	8/1/2006	8/1/2006	8/2/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane	-	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5 <5
1,1-Dichloroethane		<5	<5	<5	<5	<5 <5
1,1-Dichloroethene		<5	<5	<5	<5	<5 <5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<10
Bromodichloromethane		<5	<5.7	<0.7 <5	<0.7 <5	<0.7
Bromoform		<5	<5			<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5		<5 -5	<5 -5	<5
Carbon distinge Carbon tetrachloride		<5	<5	<5	<5 .5	<b>&lt;</b> 5
Chlorobenzene			<5	<5 -5	<5 	<5 -
Chlorodifluoromethane		<b>&lt;</b> 5	<5 .5	<5	<5	<b>&lt;</b> 5
Chloroethane		<5 -5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<b>&lt;</b> 5	<5
		<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<5	<5
Chloromethane		<b>&lt;</b> 5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<b>&lt;</b> 5	<5	1 J	<5	<5
cis-1,3-Dichloropropene		<b>&lt;</b> 5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		2 J	3 J	5 J	7	7
/inyl Acetate		<5	<5	<5	<5	<5
√inyl Choride		<2	<2	<2	<2	<2
Xylene-O						
Xylene-M,P						
Xylene (total)		<5	<5	<5	<5	<5
ΓVOCs		2	•		_	_
¥003	W.W	2	3	6	7	7

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

74	Site ID: Sample ID:	VP-104 VP-104(280)	VP-104 VP-104(300)	VP-104 VP-104(320)	VP-104 VP-104(340)	VP-104 VP-104(360
CONSTITUENT	Sample Date:	8/2/2006	8/2/2006	8/3/2006	8/3/2006	8/3/2006
Volatile Organic Compounds	\$					
1,1,1-Trichloroethane	<b>-</b>	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	7	<5	<5
1,1-Dichloroethene		<5	<5	3 J	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	0.8 J	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		7	2 J	0.9 J	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O						
Xylene-M,P						
Xylene (total)		<5	<5	<5	<5	<5
TV000		-	2.0	40.0		•
TVOCs		7	2.8	10.9	0	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104(380)	VP-104(400)	VP-104(420)	REP080706(420)	VP-104(460
CONSTITUENT	Sample Date:	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/8/2006
Volatile Organic Compound	s					
1,1,1-Trichloroethane	<u></u>	<5	3J	3 J	3 J	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	10	11	11	<5
1,1-Dichloroethene		<5	3 J	4 J	4 J	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<11	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	0.7 J	0.7 J	0.6 J	<b>&lt;</b> 5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<b>&lt;</b> 5	<5	<5
Methylene chloride		<5	<5	<5	<5	<b>&lt;</b> 5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	2 J	2 J	2 J	<5
Toluene		<5	<5	<5	<b>&lt;</b> 5	<5
rans-1,2-Dichloroethylene		<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<5
rans-1,3-Dichloropropene		<5	<b>&lt;</b> 5	<5	<5	<5
Trichloroethene		<5	3 J	3 J	3 J	0.3 J
/inyl Acetate		<5	<5	<5	<b>&lt;</b> 5	<5
/inyl Choride		<2	<2	<2	<2	<2
Kylene-O			-			
Kylene-M,P						
Xylene (total)		<5	<5	<5	<5	<5
TV00-			04 -		00.5	
TVOCs	***************************************	0	21.7	23.7	23.6	0.3

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
OONOTITUENT	Sample ID:	VP-104(480)	VP-104(500)	VP-104(520)	VP-104(540)	VP-104(560
CONSTITUENT	Sample Date:	8/8/2006	8/8/2006	8/14/2006	8/14/2006	8/14/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		6	1 J	<5	<25	<25
1,1,2,2-Tetrachloroethane		<5	<5	<5	<25	<25
1,1,2-Trichloroethane		<5	<5	3 J	<25	5 J
1,1-Dichloroethane		15	2 J	3 J	<25	<25
1,1-Dichloroethene		9	2 J	2 J	4 J	7 J
1,2-Dichloroethane		<5	<5	16	<25	12 J
1,2-Dichloropropane		<5	<5	<5	<200	<250
2-Butanone		<10	<10	<10	<50	<50
2-Hexanone		<10	<10	<10	<50	<50
4-Methyl-2-pentanone		<10	<10	<10	<50	<50
Acetone		<10	<10	5 J	<50	<50
Benzene		<0.7	<0.7	<0.7	<4	<4
Bromodichloromethane		<5	<5	<5	<25	<25
Bromoform		<5	<5	<5	<25	<25
Bromomethane		<5	<5	<5	<25	<25
Carbon disulfide		<5	<5	<5	<25	<25
Carbon tetrachloride		<5	<5	<5	<25	<25
Chlorobenzene		<5	<5	<5	<25	<25
Chlorodifluoromethane		<5	<5	<5	<25	<25
Chloroethane		<5	<5	<5	<25	<25
Chloroform		2 J	6	<18	<25	<25
Chloromethane		<5	<5	<5	<25	<25
cis-1,2-Dichloroethylene		20	84	380 D	470	290
cis-1,3-Dichloropropene		<5	<5	<5	<25	<25
Dibromochloromethane		<5	<b>&lt;</b> 5	<5	<25	<25
Dichlorodifluoromethane		<5	<5	<5	<25	<25
Ethylbenzene		<5	<b>&lt;</b> 5	<5	<25	<25
Freon 113		<5	<5	0.5 J	<25	<25
Methylene chloride		<5	<5	<5	<25	<25
Styrene		<5	<5	<5	<25	<25
Tetrachloroethene		19	4 J	12	3 J	7 J
Foluene		<5	<5	<5	<25	<b>&lt;2</b> 5
rans-1,2-Dichloroethylene		<5	<5	6	4 J	5 J
rans-1,3-Dichloropropene		<5	<5	<b>&lt;</b> 5	<b>&lt;</b> 25	<25
Frichloroethene		72	190 D	1400 D	3200 D	6300D
/inyl Acetate		<b>&lt;</b> 5	<5	<5	<b>3200 D</b> <25	<25
/inyl Choride		<2	<2	<2	<10	<10
(ylene-O				~2 		
Kylene-M,P						
Xylene (total)		 <5	<5	 <5	<25	 <25
TVOCs		143	289	1827.5	3681	6626

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
0.01/07/7/	Sample ID:	VP-104(580')	VP-104(600')	VP-104(620')	VP-104(640')	VP-104(660°
CONSTITUENT	Sample Date:	8/15/2006	8/15/2006	8/15/2006	8/16/2006	8/16/2006
Volatile Organic Compound	S					
1,1,1-Trichloroethane	-	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5
1,2-Dichloroethane		<5	<5	<5	<5	< <b>5</b>
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyi-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	4 J	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		6	1 J	1 J	<5	0.9 J
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
reon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
etrachloroethene		<5	<5	<5	<5	<5
oluene		<5	<5	<5	<5	<5
rans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
rans-1,3-Dichloropropene		<5	<5	<5	<5	<5
richloroethene		110	17	14	8	11
inyl Acetate		<5	<5	<5	<5	<5
'inyl Choride		<2	<2	<2	<2	<2
(ylene-O					<del></del>	
(ylene-M,P						
(ylene (total)	·····	<5	<5	<5	<5	<5
VOCs		116	40	40		,
1003		116	18	19	8	11.9

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

Volatile Organic Compounds 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane Chloroethane Chloromethane Cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride	Sample ID: ample Date:	VP-104(680') 8/16/2006  <5 <5 <5 <5 <5 <10 <10 <10 <10 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5	VP-104(707') 8/21/2006  <5 <5 <5 <5 <5 <10 <10 <10 6 J <0.7 <5	VP-104(720') 8/22/2006  <5 <5 <5 <5 <5 <5 <10 <10 <10 <10 <0.7	VP-104(740') 8/22/2006  <5 <5 <5 <5 <5 <5 <10 <10 <10 <10 <10	VP-104(760 8/23/2006
Volatile Organic Compounds 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chloroethane Chloroethane Chloroethane Chloroform Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloropropene Dibromochloromethane Cichlorodifluoromethane	ample Date:	<5 <5 <5 <5 <5 <5 <10 <10 <10 <10 <0.7 <5	<5 <5 <5 <5 <5 <10 <10 <10 6 J	<5 <5 <5 <5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <5 <5 <10 <10
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 3-Methyl-2-pentanone Acetone 3-modichloromethane 3-romodichloromethane 3-romomethane 3-romomet		<5 <5 <5 <5 <5 <10 <10 <10 <10 <0.7 <5	<5 <5 <5 <5 <5 <10 <10 <10 <b>6 J</b> <0.7	<5 <5 <5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <5 <10 <10 <10
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chloroethane Chloroethane Chloroform Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloromethane Cichlorodifluoromethane		<5 <5 <5 <5 <5 <10 <10 <10 <10 <0.7 <5	<5 <5 <5 <5 <5 <10 <10 <10 <b>6 J</b> <0.7	<5 <5 <5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <5 <10 <10 <10
1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloropropene Dibromochloromethane Ethylbenzene Ethylbenzene Freon 113 Methylene chloride		<5 <5 <5 <5 <10 <10 <10 <10 <70 <5	<5 <5 <5 <5 <10 <10 <10 <b>6 J</b>	<5 <5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <5 <10 <10 <10
1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane Cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Cichlorodifluoromethane Cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5 <5 <5 <10 <10 <10 <10 <0.7 <5	<5 <5 <5 <10 <10 <10 <b>6 J</b> <0.7	<5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <10 <10 <10 <10	<5 <5 <5 <5 <10 <10 <10
1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroform Chloromethane Cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Dichlorodifluoromethane Dichlorodifluoromethane Dichlorodifluoromethane Dichlorodifluoromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5 <5 <10 <10 <10 <10 <0.7 <5 <5	<5 <5 <10 <10 <10 <b>6 J</b> <0.7	<5 <5 <10 <10 <10 <10	<5 <5 <10 <10 <10 <10	<5 <5 <5 <10 <10 <10
Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5 <5 <10 <10 <10 <10 <0.7 <5 <5	<5 <5 <10 <10 <10 <b>6 J</b> <0.7	<5 <5 <10 <10 <10 <10	<5 <5 <10 <10 <10 <10	<5 <5 <5 <10 <10 <10
1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Ethylbenzene Freon 113 Methylene chloride		<5 <10 <10 <10 <10 <0.7 <5 <5	<5 <10 <10 <10 <b>6 J</b> <0.7	<5 <10 <10 <10 <10	<5 <10 <10 <10 <10	<5 <10 <10 <10
2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<10 <10 <10 <10 <0.7 <5 <5	<10 <10 <10 <b>6 J</b> <0.7	<10 <10 <10 <10	<10 <10 <10 <10	<10 <10 <10
2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<10 <10 <10 <0.7 <5 <5	<10 <10 <b>6 J</b> <0.7	<10 <10 <10	<10 <10 <10	<10 <10
4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<10 <10 <0.7 <5 <5	<10 <b>6 J</b> <0.7	<10 <10	<10 <10	<10
Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<10 <0.7 <5 <5	<b>6 J</b> <0.7	<10	<10	
Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<0.7 <5 <5	<0.7			-10
Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5 <5		<0.7		<10
Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5		<0.7	<0.7
Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride				<5	<5	<5
Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		-0	<5	<5	<5	<5
Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Ethylbenzene Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Freon 113 Methylene chloride		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
		<5	<5	<5	<5	<5
		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
rans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
rans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Frichloroethene		4 J	0.5 J	1 J	1 J	1 J
/inyl Acetate		<5	<5	<5	<5	<5
/inyl Choride		<2	<2	<2	<2	<2
Kylene-O			~=			
Xylene-M,P			<b></b>	<b></b>		
Kylene (total)		<5	<5	<5	<5	<5
TVOCs		4	6.5	1	1	1

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

Volatile Organic Compounds 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloromethane Cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene trans-1,3-Dichloropropene Trichloroethene Trichloroethene Trichloroethene Trichloroethene	Sample ID: VP-10 mple Date: 8/23	(4(780') VP-104(800')		VP-104(840)	VP-104(860
Volatile Organic Compounds 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 3-Methyl-2-pentanone 3-Methyl-2-pentanone 3-modichloromethane 3-momodichloromethane 3-momomethane 3-momometha	mple Date: 8/23	10000			
,1,1-Trichloroethane ,1,2,2-Tetrachloroethane ,1,2-Trichloroethane ,1-Dichloroethane ,1-Dichloroethane ,2-Dichloroethane ,2-Dichloropropane -Butanone -Hexanone -Methyl-2-pentanone -Getone -Boromodichloromethane -Bromodichloromethane -Carbon disulfide -Carbon tetrachloride -Chloroethane -Chloroethane -Chloroethane -Chloromethane -Chlorodifluoromethane -Chlorodifl		/2006 8/23/2006	8/24/2006	8/24/2006	8/25/2006
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 2-Hexanone 3-Methyl-2-pentanone 3-modichloromethane 3-momodichloromethane 3-momomethane 3-momometha					
I,1,2,2-Tetrachloroethane I,1,2-Trichloroethane I,1-Dichloroethane I,1-Dichloroethane I,2-Dichloroethane I,2-Dichloropropane I,2-Dichloropropane I,2-Butanone I-Hexanone I-Methyl-2-pentanone I-Methyl-2-pentanone I-Methyl-12-pentanone I-Methyl-2-pentanone I-Methy	<	<5 <5	<5	<5	<5
,1,2-Trichloroethane ,1-Dichloroethane ,1-Dichloroethane ,2-Dichloroethane ,2-Dichloropropane -Butanone -Hexanone -Hexanone -Hexanone -Methyl-2-pentanone -Geromodichloromethane -Bromoform -Bromomethane -Carbon disulfide -Carbon tetrachloride -Chloroethane -Chloroethane -Chloroethane -Chloromethane -Chlorodifluoromethane -Ch		<5 <5	<5	<5	<5
1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane Cis-1,2-Dichloropropene Dichlorodifluoromethane Cis-1,3-Dichloromethane Cis-1,3-Dichloromethane Cis-1,3-Dichloropropene Cityrene Freon 113 Methylene chloride Fetrachloroethene Foluene Frans-1,2-Dichloroethylene Frans-1,2-Dichloroethylene Frans-1,3-Dichloropropene Frichloroethene Froluene Frans-1,3-Dichloropropene Frichloroethene Frichloroethene Frichloroethene		<5 <5	<5	<5	<5
1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone 3-Bromodichloromethane 3-momoform 3-momomethane 3-mo	<	<5 <5	<5	<5	<5
1,2-Dichloroethane 1,2-Dichloropropane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloromethane Cichlorodifluoromethane Cichlorodifluoromethane Cis-1,3-Dichloropropene Chlorodifluoromethane Cichlorodifluoromethane Cichloroethene Coluene Crans-1,2-Dichloroethylene Crans-1,3-Dichloropropene Crichloroethene	<	<5 <5	<5	<5	<5
2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromomethane Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroform Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloromethane Dichlorodifluoromethane Cis-1,3-Dichloromethane Cis-1,3-Dichloropropene Cis-1,3-Dichloromethane Cis-1,3-Dichloromethane Cichlorodifluoromethane Cichloroethene Cichloroethene Cichloroethene Cichloroethene Cichloroethene Cichloroethene	<	<5 <5	<5	<5	<5
2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromomethane Bromomethane Carbon disulfide Carbon tetrachloride Chlorodifluoromethane Chlorodifluoromethane Chloroform Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloromethane Dichlorodifluoromethane Cis-1,3-Dichloromethane Cis-1,3-Dichloropropene Cis-1,3-Dichloromethane Cichlorodifluoromethane Cichloroethene Coluene Crichloroethene Crichloroethene Crichloroethene	<	<b>5 &lt;</b> 5	<5	<5	<5
4-Methyl-2-pentanone Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloromethane Dichlorodifluoromethane Cis-1,3-Dichloromethane Cis-1,3-Dichloropropene Dibromochloromethane Cis-1,3-Dichloromethane Cichlorodifluoromethane Cichloroethene Coluene Crans-1,2-Dichloroethylene Crichloroethene Crichloroethene	<	10 <10	<10	<10	<10
Acetone Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloromethane Dichlorodifluoromethane Cis-1,3-Dichloromethane Cis-1,3-Dichloropropene Dibromochloromethane Cichlorodifluoromethane Cichloroethene Cichloroethene Cichloroethene Cichloroethene Cichloroethene Cichloroethene	<	10 <10	<10	<10	<10
Benzene Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene trans-1,3-Dichloropropene Trichloroethene Trichloroethene		10 <10	<10	<10	<10
Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloromethane Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloromethane Dichlorodifluoromethane Dichlorodifluoromethane Dichlorodifluoromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene trans-1,3-Dichloropropene Trichloroethene	5	J <10	<10	<10	5 J
Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloromethane Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloromethane Dichlorodifluoromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene rrans-1,2-Dichloroethylene rrans-1,3-Dichloropropene Frichloroethene Frichloroethene		0.7	<0.7	<0.7	<0.7
Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloromethane Chloromethane Cis-1,2-Dichloroethylene Cis-1,3-Dichloropropene Dibromochloromethane Cichlorodifluoromethane Cichloroethene Coluene Crans-1,2-Dichloroethylene Crans-1,3-Dichloropropene Crichloroethene	<	:5 <5	<5	<5	<5
Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Cichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene rans-1,2-Dichloroethylene rrans-1,3-Dichloropropene Frichloroethene Frichloroethene	<	·5 <b>&lt;</b> 5	<5	<5	<5
Carbon tetrachloride Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene rrans-1,2-Dichloroethylene rrans-1,3-Dichloropropene Frichloroethene Frichloroethene	<	:5 <5	<5	<5	<5
Chlorobenzene Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene rrans-1,2-Dichloroethylene rrans-1,3-Dichloropropene Frichloroethene	<	:5 <5	<5	<5	<5
Chlorodifluoromethane Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene trans-1,3-Dichloropropene Trichloroethene	<	:5 <5	<5	<5	<5
Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene rans-1,2-Dichloroethylene rrichloroethene Frichloroethene	<	:5 <5	<5	<5	<5
Chloroform Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene rans-1,2-Dichloroethylene rrichloroethene Frichloroethene	<	:5 <5	<5	<5	<5
Chloromethane cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene trans-1,3-Dichloropropene Trichloroethene	<	:5 <5	<5	<5	<5
cis-1,2-Dichloroethylene cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Fetrachloroethene Foluene rans-1,2-Dichloroethylene rrichloroethene Frichloroethene	<	:5 <5	<5	<5	<5
cis-1,3-Dichloropropene Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene Trichloroethene Trichloroethene	<	:5 <5	<5	<5	<5
Dibromochloromethane Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene Trichloroethene Trichloroethene	<	:5 <5	<5	<5	<5
Dichlorodifluoromethane Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene trans-1,3-Dichloropropene Trichloroethene	<	:5 <5	<5	<5	<5
Ethylbenzene Freon 113 Methylene chloride Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene Trichloroethene	<	:5 <5	<5	<5	<5
Freon 113  Methylene chloride  Styrene  Fetrachloroethene  Foluene  rans-1,2-Dichloroethylene  rans-1,3-Dichloropropene  Frichloroethene	<	:5 <5	<5	<5	<5
Methylene chloride Styrene Tetrachloroethene Toluene crans-1,2-Dichloroethylene crans-1,3-Dichloropropene Trichloroethene	<	:5 <5	<5	<5	<5
Styrene Tetrachloroethene Toluene trans-1,2-Dichloroethylene trans-1,3-Dichloropropene Trichloroethene	<	:5 <5	<5	<5	<5
Tetrachloroethene Toluene trans-1,2-Dichloroethylene trans-1,3-Dichloropropene Trichloroethene	<	5 <5	<5	<5	<5
Foluene rans-1,2-Dichloroethylene rans-1,3-Dichloropropene Frichloroethene	<	5 <5	<5	<5	<5
rans-1,2-Dichloroethylene rans-1,3-Dichloropropene Frichloroethene	<	:5 <5	<5	<5	<5
rans-1,3-Dichloropropene Frichloroethene	<	5 <5	<5	<5	<5
rans-1,3-Dichloropropene Frichloroethene	<	:5 <5	<5	<5	<5
	<	5 <5	<5	<5	<5
	0.9	9J 1J	0.3 J	<5	<5
/inyl Acetate	<	:5 <5	<5	<5	<5
/inyl Choride	<	:2 <2	<2	<2	<2
Kylene-O	-	<b></b>			
Kylene-M,P	-				
Xylene (total)	<	5 <5	<5	<5	<5
ΓVOCs	5.	.9 1	0.3	0	5

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

CONSTITUENT  Volatile Organic Compounds	Sample ID: Sample Date:	VP-104(880)	VP-105(50-45)	VP-105(60-55)	VP-105(70-65)	VD 405/00 35
	Sample Date:			V1 100(00 00)	VF-103(70-03)	VP-105(80-75
Volatile Organic Compounds		8/25/2006	8/2/2006	8/2/2006	8/2/2006	8/2/2006
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachioroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	7
1,1-Dichloroethene		<5	<5	<5	<5	2 J
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		6 J	<13	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
3romomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	39	74	22	180 D
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
rans-1,2-Dichloroethylene		<5	<5	<5	<5	0.8 J
rans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Frichloroethene		<5	4 J	7	3 J	51
/inyl Acetate		<5	<5	<5	<5	<5
/inyl Choride		<2	0.8 JM	3	0.8 JM	7
Kylene-O						
Kylene-M,P						
Xylene (total)		<5	<5	<5	<5	<5
<b>TVOCs</b>		6	43.8	84	25.8	247.8

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-105	VP-105	VP-105	VP-105	VP-105
	Sample ID:	VP-105(90-85)	VP-105(100-95)	VP-105(107-102)	VP-105 (120-115	VP-105 (130-12
CONSTITUENT	Sample Date:	8/1/2006	8/1/2006	8/1/2006	7/31/2006	7/31/2006
Volatile Organic Compounds	i					
1,1,1-Trichloroethane	•	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<b>&lt;</b> 5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		3 J	2 JM	5 J	<5	<5
1,1-Dichloroethene		2 J	<b>&lt;</b> 5	5 J	0.7 J	<5
1,2-Dichloroethane		<b>&lt;</b> 5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform						
		<5 -5	<5 -5	<5 -5	<5 -5	<5
Bromomethane		<5	<5 -5	<5 -5	<b>&lt;</b> 5	<5 
Carbon disulfide		<5	<5 -5	<5 	<5	<5 
Carbon tetrachloride		<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<b>&lt;</b> 5	<b>&lt;</b> 5
Chlorobenzene		<5	<5	<5	<b>&lt;</b> 5	<5
Chlorodifluoromethane		0.5 JM	0.6 JM	2 J	<5	0.9 J
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	2 J
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		280 D	270 D	1500 D	310 D	30
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
rans-1,2-Dichloroethylene		0.5 JM	0.5 JM	10 J	<5	<5
rans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Frichloroethene		28	12	78 J	14	12
Vinyl Acetate		<5	<5	<5	<5	<5
√inyl Choride		14	12	55 J	11	0.8 J
Xylene-O						
Xylene-M,P				**		
Xylene (total)		<5	<b>&lt;</b> 5	<5	<5	<5
7/00-		200	007.4	4055	005.7	45.7
TVOCs		328	297.1	1655	335.7	45.7

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-105	VP-105	VP-105	VP-105	VP-106
	Sample ID:	VP-105 (140-135	VP-105 (150-145	VP-105 (160-155	VP-105 (170-165	VP-106(49-54
CONSTITUENT	Sample Date:	7/31/2006	7/28/2006	7/28/2006	7/28/2006	6/30/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<b>&lt;</b> 5	<5	<5	<5	<5
1,1,2-Trichloroethane		<b>&lt;</b> 5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	6 J
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
3romomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		2 J	4 J	3 J	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		2 J	<5	1 J	2 J	0.5 J
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		11	220 D	34	2 J	30
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Foluene		<5	<5	<5	<5	<5
rans-1,2-Dichloroethylene		<5	3 J	1 J	<5	<5
rans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Frichloroethene		8	14	13	6	6
/inyl Acetate		<5	<5	<5	<5	<5
/inyl Choride		<2	<2	<2	<2	<2
Kylene-O						
Kylene-M,P						
Kylene (total)		<5	<5	<5	<5	<5
ΓVOCs		23	241	52	10	42.5

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-106	VP-106	VP-106	VP-106	VP-106
	Sample ID:	VP-106(55-60)	VP-106(65-70)	VP-106(75-80)	VP-106(85-90)	VP-106 (95-100
CONSTITUENT	Sample Date:	6/30/2006	6/30/2006	6/30/2006	6/30/2006	6/29/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		1 J	5 J	8	3 J	<5
1,1-Dichloroethene		0.8 J	3 J	7	0.6 J	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		6 J	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<b>&lt;</b> 5	<5	<5	<5	<5
Chlorodifluoromethane		< <b>5</b>	<5	<5	<5	<5
Chloroethane		< <b>5</b>	<5	<5	<5	<5
Chloroform		0.8 J	1 J	0.6 J	3 J	5 J
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		140	610 D	1100 D	140	4 J
cis-1,3-Dichloropropene		<5	<5	<5	<5 ·	<5
Dibromochloromethane		<5	<5	<5	<5	<b>&lt;</b> 5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Styrene Tetrachloroethene		<5	0.4 J	0.5 J	<5	<5
		0.4 J	<b>0.4 3</b> <5	<b>0.3 3</b> <5	<5	<5
Toluene trans 1.2 Dichleroothylana		0.4 J 0.3 JM	2 J	2 J	0.5 J	<5
trans-1,2-Dichloroethylene		0.3 Jivi <5	<b>23</b> <5	<b>2 3</b> <5	<b>0.5 3</b> <5	<5
trans-1,3-Dichloropropene		<5 <b>25</b>	85	130	41	4 J
Trichloroethene					_	<b>&lt;</b> 5
Vinyl Acetate		<5	<5	<5 <b>31</b>	<5 <b>2 J</b>	<2
Vinyl Choride		2 J	2 J	31		
Xylene-O				<del></del>	<del></del>	 
Xylene-M,P		 -E	 -5	 <5	 <5	 <5
Xylene (total)		<5	<5		<b>\</b> 0	
TVOCs		176.3	708.4	1279.1	190.1	13

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-106	VP-106	VP-107	VP-107 VP-107 (60-55)	VP-107 VP-107 (70-65)
		VP-106 (105-110	VP-106 (115-120	VP-107 (50-45) 7/25/2006	7/25/2006	7/25/2006
CONSTITUENT	Sample Date:	6/29/2006	6/29/2006	1125/2006	112512000	112312000
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		10	11	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		10	3 J	<5	5	5 J
cis-1,2-Dichloropropene		<5	<5	<5	<b>&lt;</b> 5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		=	<5	<5	<5	<5
Tetrachloroethene		<5 <5	<5 <5	<5	<5	<5
Toluene			<5 <5	<5 <5	<5	<5
trans-1,2-Dichloroethylene		<5		<5 <5	<5 <5	<5
trans-1,3-Dichloropropene		<5	<5 <b>7</b>	<5 3 J	13	14
Trichloroethene		9	7		13 <5	<5
Vinyl Acetate		<5 10	<5 <2	<5 <2	<5 <2	<2
Vinyl Choride		<2	<2	<2		<b>~</b> 2 
Xylene-O						 
Xylene-M,P					 -E	<del></del> <5
Xylene (total)		<5	<5	<5	<5	<u> </u>
TVOCs		29	21	3	18	19

	Site ID:	VP-107	VP-107	VP-107	VP-107	VP-107
	Sample ID:	VP-107 (80-75)	VP-107 (90-85)	VP-107 (100-95)	VP-107 (110-105	VP-107 (124-119
CONSTITUENT	Sample Date:	7/25/2006	7/25/2006	7/21/2006	7/21/2006	7/21/2006
CONSTITUENT	Gampie Bate.	1720/2000				
Volatile Organic Compounds						_
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		8 J	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	8 J	6 J	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<b>&lt;</b> 5	<5	<5	<5
Carbon disulide  Carbon tetrachloride		<5	<5	<5	<5	<5
Carbon tetrachionde Chlorobenzene		<5	<5	<5	<5	<5
		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	< <b>5</b>	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		16	40	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<b>&lt;</b> 5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5 <5	<5	<5	<5	<5
Methylene chloride			<5	<5	<5	<5
Styrene		<5	<5 <5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<b>&lt;</b> 5		<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5 <5	<5	<5	<5
trans-1,3-Dichloropropene		<b>&lt;</b> 5	<5	<5 <5	0.6 J	<5
Trichloroethene		26	91	<5 <5	<b>0.0 3</b> <5	<5
Vinyl Acetate		<b>&lt;</b> 5	<5		<2 <2	<2
Vinyl Choride		<2	<2	<2	~2	
Xylene-O			<del></del>		<b></b>	
Xylene-M,P			 -		 -5	 <b>&lt;</b> 5
Xylene (total)		<5	<5	<5	<5	
		50	131	8	6.6	0

	Site ID:	VP-107	VP-107	VP-107	VP-108	VP-108
	Sample ID:	VP-107 (140-135	VP-107 (153-148	VP-107 (170-165	VP-108(50-45)	VP-108(60-55)
CONSTITUENT	Sample Date:	7/20/2006	7/20/2006	7/20/2006	7/14/2006	7/14/2006
V. Lettle Operatel - Operated						
Volatile Organic Compounds		<5	<5	<5	<5	<5
1,1,1-Trichloroethane		<5 <5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane			<5	<5	<5	<5
1,1,2-Trichloroethane		<5 -5	<5	<5	<5	<5
1,1-Dichloroethane		<5		<5	<5	<5
1,1-Dichloroethene		<b>&lt;</b> 5	<5 .5		<5	<5
1,2-Dichloroethane		<5	<5 -5	<5 -5	<5 <5	<5
1,2-Dichloropropane		<5	<5	<5 -10		
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	5 J	<10	8 J	7 J
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		0.3 JM	0.3 JM	1 JM	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	8	17
cis-1,3-Dichloropropene		<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<b>&lt;</b> 5
Methylene chloride		<5	<5	<5	<5	<5
Styrene			<5 <5	4 J	<5	<5
Tetrachloroethene		<5 -5		<b>4 J</b> <5	<5	<5
Toluene		<5	<5		<5	<5
trans-1,2-Dichloroethylene		<5 -5	<5 -5	<5 <5		<5 <5
trans-1,3-Dichloropropene		<5	<5	<5 -	<5 •	12
Trichloroethene		2 J	2 J	7	6	
Vinyl Acetate		<5	<5	<5	<5 -2	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O						
Xylene-M,P						
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		2.3	7.3	12	22	36

	Site ID:	VP-108	VP-108	VP-108	VP-108	VP-108
	Sample ID:	VP-108(70-65)	VP-108(80-75)	VP-108(90-85)	VP-108(100-95)	VP-108(110-105
CONSTITUENT	Sample Date:	7/14/2006	7/14/2006	7/14/2006	7/14/2006	7/13/2006
Volatile Organic Compounds		<b>.</b> E	<5	<5	<5	<5
1,1,1-Trichloroethane		<5 -5	<5 <5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5 -5		<5	<5	<5
1,1,2-Trichloroethane		<5	<5 5			<5
1,1-Dichloroethane		<b>&lt;</b> 5	<b>&lt;</b> 5	<5	<5 -5	
1,1-Dichloroethene		<5	<5	<b>&lt;</b> 5	<5	<5 .5
1,2-Dichloroethane		<5	<5	<5	<b>&lt;</b> 5	<5 
1,2-Dichloropropane		<5	<5	<5	<5	<b>&lt;</b> 5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<b>&lt;</b> 5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	1 J
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	8	10
		<5	<5	<5	<b>&lt;</b> 5	<5
Chloromethane		9	2 J	16	150	58
cis-1,2-Dichloroethylene					<b>&lt;</b> 5	<b>&lt;</b> 5
cis-1,3-Dichloropropene		<b>&lt;</b> 5	<5 -5	<5	<5 <5	<5
Dibromochloromethane		<b>&lt;</b> 5	<b>&lt;</b> 5	<5 .5		
Dichlorodifluoromethane		<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<5 	3 J
Ethylbenzene		<5	<5	<5	<b>&lt;</b> 5	<5
Freon 113		<5	<5	<5	<b>&lt;</b> 5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		8	2 J	16	110	62
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		<del>-</del>	<del></del>			
Xylene-M,P						
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		17	4	32	268	134

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-108	VP-108	VP-108	VP-108	VP-108
	Sample ID:	VP-108(120-115)	VP-108(130-125)	REP071406(130)	VP-108(140-135)	VP-108(150-145
CONSTITUENT	Sample Date:	7/13/2006	7/13/2006	7/14/2006	7/13/2006	7/13/2006
Volatile Organic Compounds					_	
1,1,1-Trichloroethane		<5	<5	<5	<5	<b>&lt;</b> 5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	3 J	<5	<5	<5
1,1-Dichloroethene		<5	1 J	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	< 0.7
Bromodichloromethane		<5	<5	<5	<5	<5
= : :		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride			<5	<5	<5	<5
Chlorobenzene		<5 -5		<5	<5	<5
Chlorodifluoromethane		<5	2 J	<5	<5	<5
Chloroethane		<5	<5 		<5	<5
Chloroform		12	<b>&lt;</b> 5	<5 -5	<5	<5
Chloromethane		<5	<5	<b>&lt;</b> 5		18
cis-1,2-Dichloroethylene		130	180 D	16	26	
cis-1,3-Dichloropropene		<5	<5	<5	<b>&lt;</b> 5	<5 .5
Dibromochloromethane		<5	<5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5
Dichlorodifluoromethane		13	6	<5	<5	<b>&lt;</b> 5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	0.8 J	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		110	370 D	12	60	77
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
				_ 		
Xylene-O						
Xylene-M,P		 <5	 <b>&lt;</b> 5	<5	<5	<5
Xylene (total)		<b>\</b> 0				
						95

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID: Sample ID:	VP-108 VP-108 (160-155	VP-108 VP-108 (170-165	VP-109 VP-109 (44-49)	VP-109 VP-109 (55-60)	VP-109 VP-109 (65-70)
CONCITUENT	Sample Date:	7/12/2006	7/12/2006	2/5/2007	2/5/2007	2/5/2007
CONSTITUENT	Sample Date.	771272000	17.12.200			
Volatile Organic Compounds				_	.=	∠E
1,1,1-Trichloroethane		<5	<5	<b>&lt;</b> 5	<5 	<5 <5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<b>&lt;</b> 5	<5	<5
1,1-Dichloroethane		<5	<5	<5	0.57J	0.32J
1,1-Dichloroethene		<5	<5	<5	<b>&lt;</b> 5	<5
1,2-Dichloroethane		<5	<5	<5	<b>&lt;</b> 5	<5 .5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10JB	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	3.4JB
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		0.3 J	0.5 J	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
		<5	3 J	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		25	49	18	38	22
cis-1,2-Dichloroethylene		<b>&lt;</b> 5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<10	<10	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene			<5	<5	<5	<5
Freon 113		<5 <5	<5	<5	<5	<5
Methylene chloride			<5 <5	<5	<5	<5
Styrene		<5 <5	<5	<5	<5	<5
Tetrachloroethene			<5	1.1J	7.7	0.51J
Toluene		0.7 J	<5	<5	<b>&lt;</b> 5	<5
trans-1,2-Dichloroethylene		<b>&lt;</b> 5		<5	<5	<5
trans-1,3-Dichloropropene		<5	<5 00	<5 18	44	22
Trichloroethene		39	80		<del>44</del> <5	<5
Vinyl Acetate		<5	<5 -0	<5	<2	<2
Vinyl Choride		<2	<2	<2	~2	
Xylene-O					<del>-</del>	
Xylene-M,P			<del></del>		 -E	<del></del> <5
Xylene (total)		<5	<5	<5	<5	
TVOCs		65	132.5	46.5	91.06	49.23

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-109	VP-109	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (75-80)	VP-109 (85-90)	VP-109 (95-100)	VP-109 (105-110	VP-109 (115-120
CONSTITUENT	Sample Date:	2/5/2007	2/2/2007	2/2/2007	2/2/2007	2/1/2007
0011011102111		·				
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<25	0.41J	0.42J
1,1,2,2-Tetrachloroethane		<5	<5	<25	<5	<b>&lt;</b> 5
1,1,2-Trichloroethane		<5	<5	<25	<5	<5
1,1-Dichloroethane		0.24J	1.7J	4.9J	6.3	6.3
1,1-Dichloroethene		<5	0.91J	<25	2.7J	2.7J
1,2-Dichloroethane		<5	<5	<25	0.63J	<5
1,2-Dichloropropane		<5	<5	<25	<5	<5
2-Butanone		<10	<10	<50	<10	<10
2-Hexanone		<10	<10	<50	<10	<10
4-Methyl-2-pentanone		<10	<10	<50	<10	<10
Acetone		<10	<10	<50	<10JB	<10JB
Benzene		<0.7	<0.7	<3.5	<0.7	<0.7
Bromodichloromethane		<5	<5	<25	<5	<5
Bromoform		<5	<5	<25	<5	<5
Bromomethane		<5	<5	<25	<5	<5
Carbon disulfide		<5	<5	<25	<5	<5
Carbon tetrachloride		<5	<5	<25	<5	<5
Chlorobenzene		<5	<b>&lt;</b> 5	<25	<5	<5
Chlorodifluoromethane		<5	0.23J	<25	<5	<5
		<5	<5	<25	<5	<5
Chloroethane		<5	1.4J	<25	1.9J	1.8J
Chloroform		<5	<5	<25	<5	<5
Chloromethane		29	240D	420D	510D	480D
cis-1,2-Dichloroethylene		<b>29</b> <b>&lt;</b> 5	<b>&lt;</b> 5	<25	<5	<5
cis-1,3-Dichloropropene		<5	<5	<25	<5	<5
Dibromochloromethane		<5	<5	<25	<5	<5
Dichlorodifluoromethane		<5	<5	<25	<5	<5
Ethylbenzene		<5	<5	<25	<5	<5
Freon 113			<5	2.3J	<5	<b>&lt;</b> 5
Methylene chloride		<5	<5	<25	<5	<5
Styrene		<5	0.76J	<25	2.4J	2.3J
Tetrachloroethene		<5 2.3.1		<25 <25	2.8J	3J
Toluene		0.8J	0.79J	<25	1.8J	1.7J
trans-1,2-Dichloroethylene		<5 . 5	0.62J	<25 <25	1. <b>63</b> <5	<5
trans-1,3-Dichloropropene		<5	<5		220D	300D
Trichloroethene		27	120	200	<b>220D</b> <5	<b>300D</b> <5
Vinyl Acetate		<5	<5	<25		2.4
Vinyl Choride		<2	0.22J	<10	1.9J	2.4 
Xylene-O		~~				 
Xylene-M,P			<del></del>		 -E	 <5
Xylene (total)		<5	<5	<25	<5	<0
TVOCs		58.14	367.73	627.63	751.68	801.02

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-109	VP-109	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (125-130	VP-109 (135-140	VP-109 (145-150	VP-109 (155-160	VP-109 (165-170
CONSTITUENT	Sample Date:	2/1/2007	1/31/2007	1/31/2007	1/31/2007	1/30/2007
CONCITION	ouripio Edio:				1977	
Volatile Organic Compounds						
1,1,1-Trichloroethane		0.73J	1.1 <b>J</b>	1.1J	<5	<50
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<50
1,1,2-Trichloroethane		<5	<5	<5	<5	<50
1,1-Dichloroethane		8.6	12	12	6.4	11J
1,1-Dichloroethene		3.9J	5.9	6.4	3.5J	4.5J
1,2-Dichloroethane		<5	3J	2.9J	2.1J	<50
1,2-Dichloropropane		<5	0.56J	0.78J	<5	<50
2-Butanone		<10	<10	<10	<10	<100
2-Hexanone		<10	<10	<10	<10	<100
4-Methyl-2-pentanone		<10	<10	<10	<10	<100
Acetone		<10JB	<10JB	<10JB	<10JB	<100JB
Benzene		<0.7	0.24J	0.32J	<0.7	<7
Bromodichloromethane		<5	<5	<5	<5	<50
Bromoform		<5	<5	<b>&lt;</b> 5	<5	<50
Bromomethane		<5	<5	<5	<5	<50
Carbon disulfide		<5	<5	<5	<5	<50
		<5	<5	<5	<5	<50
Carbon tetrachloride		<5	<5	<5	<5	<50
Chlorobenzene		<5 <5	0.21J	0.28J	<5	<50
Chlorodifluoromethane			<b>0.213</b> <5	<5	<5	<50
Chloroethane		<5 0.01		2.7J	1.7J	4.4J
Chloroform		2.6J	3J	0.8J	<5	<50
Chloromethane		<5	0.62J		410DD	1200D
cis-1,2-Dichloroethylene		380D	690D	670D	<b>41000</b> <5	<50
cis-1,3-Dichloropropene		<b>&lt;</b> 5	<b>&lt;</b> 5	<5 .5		<50
Dibromochloromethane		<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<5	
Dichlorodifluoromethane		<5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<50
Ethylbenzene		<5	<5	<5	<b>&lt;</b> 5	<50
Freon 113		<5	<5	<5	<5	<50
Methylene chloride		<5JB	<5JB	<5JB	<5JB	<50JB
Styrene		<5	<5	<5	<5	<50
Tetrachloroethene		3.5J	4.5J	4.5J	3.9J	<50
Toluene		3J	7.1	5.5	3.1J	1.3J
trans-1,2-Dichloroethylene		2.6J	2.1J	2.1J	1.2J	<50
trans-1,3-Dichloropropene		<5	<5	<5	<5	<50
Trichloroethene		150D	680D	710D	540D	1200D
Vinyl Acetate		<5	<5	<5	<5	<50
Vinyl Choride		5	8.3	9.1	5.3	5J
Xylene-O						
Xylene-M,P						
Xylene (total)		<5	<5	<5	<5	<50
TVOCs		559.93	1419.31	1428.84	977.7	2426.97

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-109	VP-109	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (175-180	VP-109 (185-190	VP-109 (195-200	VP-109 (205-210	VP-109 (215-220
CONSTITUENT	Sample Date:	1/30/2007	1/30/2007	1/29/2007	1/29/2007	1/26/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<50	<100	0.76J	2J	<100
1,1,2,2-Tetrachloroethane		<50	<100	<5	<5	<100
1,1,2-Trichloroethane		<50	<100	0.39J	0.79J	<100
1,1-Dichloroethane		15J	21J	25	33	38J
1,1-Dichloroethene		3J	<100	5.7	14	15 <b>J</b>
1,2-Dichloroethane		<50	<100	1.9J	3.8J	14J
1,2-Dichloropropane		<50	<100	0.48J	1.5J	<100
2-Butanone		<100	<200	<10	<10	<200
		<100	<200	<10	<10	<200
2-Hexanone		1.8J	5.6J	<10	<10	<200
4-Methyl-2-pentanone		<100JB	<200JB	<10JB	<10JB	<200JB
Acetone		<7	<14	<0.7	0.51J	<14
Benzene		<50	<100	<5	<b>&lt;</b> 5	<100
Bromodichloromethane		<50 <50	<100	<5	<5	<100
Bromoform				<5	<5	<100
Bromomethane		<50	<100	<5 <5	<5	<100
Carbon disulfide		<50	<100		<5	<100
Carbon tetrachloride		<50	<100	<5	<5 <5	<100
Chlorobenzene		<50	<100	<5		<100
Chlorodifluoromethane		<50	<100	0.96J	0.53J	<100
Chloroethane		<50	<100	<b>&lt;</b> 5	<5	
Chloroform		5.5J	2.9J	6	4.1J	<100
Chloromethane		<50	<100	<5	<b>&lt;</b> 5	<100
cis-1,2-Dichloroethylene		1500D	2000D	2000D	3400D	2700D
cis-1,3-Dichloropropene		<50	<100	<5	<5	<100
Dibromochloromethane		<50	<100	3.5J	<5	<100
Dichlorodifluoromethane		<50	<100	<5	<5	<100
Ethylbenzene		<50	<100	<5	<5	<100
Freon 113		<50	<100	<5	1.1J	<100
Methylene chloride		<50JB	<100JB	<5JB	<5JB	<100JB
Styrene		<50	<100	<5	<5	<100
Tetrachloroethene		2.5J	<100	6.4	8.7	3.2J
Toluene		<50	<100	0.7J	1.3J	<100J
trans-1,2-Dichloroethylene		3.9J	<100	7	13	12J
trans-1,3-Dichloropropene		<50	<100	<5	<5	<100
Trichloroethene		1500D	1700D	1500D	1800D	2400D
Vinyl Acetate		<50	<100	<5	<5	<100
•		<20	11J	6.2	47	44
Vinyl Choride						
Xylene-O						
Xylene-M,P		 <50	<100	<5	<5	<100
Xylene (total)		700	-100			
		3032.21	3741.12	3565.84	5331.71	5226.2

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-109	VP-109	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (225-230	VP-109 (235-240	REP012506	VP-109 (247-252	VP-109 (255-260
CONSTITUENT	Sample Date:	1/25/2007	1/25/2007	1/25/2007	1/24/2007	1/24/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<250	<250	<250	3.9J	2.2J
1,1,2,2-Tetrachloroethane		<250 <250	<250 <250	<250 <250	<b>3.93</b> <5	<b>2.23</b> <5
		<250	<250 <250	<250 <250	0.7J	0.24J
1,1,2-Trichloroethane						
1,1-Dichloroethane		48J	64J	51J	13	6.9
1,1-Dichloroethene		26J	27J	20J	8.5	4.8J
1,2-Dichloroethane		14J	25J	17J	3.1J	1.3J
1,2-Dichloropropane		<250	<250	<250	<5	<5
2-Butanone		<500	<500	<500	<10	<10
2-Hexanone		<500	<500	<500	<10	<10
4-Methyl-2-pentanone		<500	7.8J	<500	<10	<10
Acetone		<500JB	<500JB	<500	<10JB	<10JB
Benzene		<35	<35	<35	<0.7	<0.7
Bromodichloromethane		<250	<250	<250	<5	<5
Bromoform		<250	<250	<250	<5	<5
Bromomethane		<250	<250	<250	<5	<5
Carbon disulfide		<250	<250	<250	<5	<5
Carbon tetrachloride		<250	<250	<250	<5	<5
Chlorobenzene		<250	<250	<250	<5	<5
Chlorodifluoromethane		<250	<250	<250	0.27J	0.23J
Chloroethane		<250	<250	<250	<5	<5
Chloroform		<250	<250	<250	3.2J	2.1J
Chloromethane		<250	<250	<250	<5	<5
cis-1,2-Dichloroethylene		2800D	3200D	3000D	560D	280D
cis-1,3-Dichloropropene		<250	<250	<250	<5	<5
Dibromochloromethane		<250	<250	<250	<5	<5
Dichlorodifluoromethane		<250	<250	<250	<5	<5
Ethylbenzene		<250	<250	<250	<5	<5
Freon 113		<250 <250	<250 <250	<250 <250	<5	<5
		<250JB				
Methylene chloride			<250JB	<250JB	<5JB	<5JB
Styrene		<250	<250	<250	<5	<b>&lt;</b> 5
Tetrachloroethene		<250	<250	<250	11	8.9
Toluene		<250	<250	<250	1.3J	0.45J
trans-1,2-Dichloroethylene		21J	22J	<250	1.9J	1.1J
trans-1,3-Dichloropropene		<250	<250	<250	<5	<5
Trichloroethene		3900D	5800DJ	4200DJ	2400D	1300D
Vinyl Acetate		<250	<250	<250	<5	<5
Vinyl Choride		38J	27J	39J	<2	<2
Xylene-O						
Xylene-M,P						
Xylene (total)		<250	<250	<250	<5	<5
TVOCs		6847	9172.8	7327	3007.44	1608.95

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (265-270	VP-109 (275-280	VP-109 (288-293
O CONTINUE NET	Sample Date:	1/23/2007	1/23/2007	1/22/2007
CONSTITUENT	Jampie Buto.			
Volatile Organic Compounds		0.50	<100	<250
1,1,1-Trichloroethane		<250	<100	<250 <250
1,1,2,2-Tetrachloroethane		<250	<100	<250 <250
1,1,2-Trichloroethane		<250	<100	31J
1,1-Dichloroethane		35J	26J	19J
1,1-Dichloroethene		19J	13J	<250
1,2-Dichloroethane		<250	<100	<250 <250
1,2-Dichloropropane		<250	<100	<500
2-Butanone		<500	<200	<500 <500
2-Hexanone		<500	<200	
4-Methyl-2-pentanone		<500	<200	<500
Acetone		<500JB	<200JB	<500
Benzene		<35	<14	<35
Bromodichloromethane		<250	<100	<250
Bromoform		<250	<100	<250
Bromomethane		<250	<100	<250
Carbon disulfide		<250	<100	<250
Carbon tetrachloride		<250	<100	<250
Chlorobenzene		<250	<100	<250
Chlorodifluoromethane		<250	<100	<250
Chloroethane		<250	<100	<250
Chloroform		<250	<100	<250
Chioromethane		<250	<100	<250
cis-1,2-Dichloroethylene		2500D	1500D	2200D
cis-1,3-Dichloropropene		<250	<100	<250
Dibromochloromethane		<250	<100	<250
Dichlorodifluoromethane		<250	<100	<250
		<250	<100	<250
Ethylbenzene Freon 113		<250	<100	<250
Methylene chloride		<250JB	<100JB	<250JB
		<250	<100	<250
Styrene Tetrachloroethene		<250	2.4J	<250
		<250	2.1J	<250
Toluene		<250	<100	<250
trans-1,2-Dichloroethylene		<250	<100	<250
trans-1,3-Dichloropropene		5200D	3900D	5500D
Trichloroethene		<250	<100	<250
Vinyl Acetate		<100	<40	8.2J
Vinyl Choride				
Xylene-O				
Xylene-M,P		<250	<100	<250
Xylene (total)				
				7758.2

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
CONOTITUENT	Sample ID:	VP-110 (40-45)	VP-110 (50-55)	REP0022207	VP-110 (60-65)	VP-110 (70-75)
CONSTITUENT	Sample Date:	2/22/2007	2/22/2007	2/22/2007	2/21/2007	2/21/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10JB	<10JB	<10JB	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5JB	<5JB	<5JB	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	0.22J	<5	<5	<5
Toluene		9.6	21	18	2.5J	<5
rans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	0.24J	0.2J	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O						
Xylene-M,P		<del></del>				
Xylene (total)		<5	<5	<5	<5	<5
D 5 O 4 i 4 4 -	<u> </u>	0.6	24.46	40.2	2.5	0
Sum of Constituents		9.6	21.46	18.2	2.5	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110 (80-85)	VP-110 (90-95)	VP-110 (100-105)	VP-110 (110-115	VP-110 (120-125
CONSTITUENT	Sample Date:	2/21/2007	2/21/2007	2/21/2007	2/20/2007	2/20/2007
Volatile Organic Compounds					_	
1,1,1-Trichloroethane		<5	<5	<5	<b>&lt;</b> 5	0.78J
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<b>&lt;</b> 5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	0.24J
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10JB	<10JB
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5JB	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5JB	<5JB
Styrene		<b>&lt;</b> 5	<5	<5	<5	<5
Tetrachloroethene		<b>&lt;</b> 5	<5	<5	<5	<5
Toluene		0.56J	0.53J	0.98J	0.97J	0.49J
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<b>&lt;</b> 5	<5	<5	<5
trans-1,3-Dichloroproperie Trichloroethene		<5	<5	<5	<5	<5
		<5	<5	<5	<5	<5
Vinyl Acetate Vinyl Choride		<2	<2	<2	<2	<2
-					_ 	
Xylene-O						
Xylene-M,P		 <5	<5	<b>&lt;</b> 5	<5	<5
Xylene (total)			7		-	
Sum of Constituents		0.56	0.53	0.98	1.66	2.46

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

AT. MARTIN A. MART.	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
		VP-110 (140-145	VP-110 (150 <b>-</b> 155	VP-110 (160-165	VP-110(170-175)	VP-110(180-185)
CONSTITUENT	Sample Date:	2/20/2007	2/20/2007	2/20/2007	2/16/2007	2/16/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		0.2J	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10JB	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10JB	<10JB	<10JB	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5JB	<5	<5JB	<5	<5
Carbon disulfide		<5	<b>&lt;</b> 5	<5	<5	<5
Carbon tetrachloride		<5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		0.19J	0.34J	0.34J	<5	<5
Chloromethane		<5J	<5	<5	<5	<5
		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5 <5	<5	<5	<5	<5
Freon 113			<5JB	<5JB	<5	<5
Methylene chloride		<5JB		<5	<5	<5
Styrene		<5 -15	<5 <5	0.31J	<5	<5
Tetrachloroethene		<5 2.5	-		0.33J	0.77 <b>J</b>
Toluene		2J	0.87J	0.98J		<b>0.773</b> <5
trans-1,2-Dichloroethylene		<5 -5	<5	<5 <5	<5 <5	<5 <5
trans-1,3-Dichloropropene		<5	<5 -5	<5 -5	<5 <5	<5 <5
Trichloroethene		0.38J	<5 -5	<5 -5	<5 <5	
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O						
Xylene-M,P						 -F
Xylene (total)		<5	<5	<5	<5	<5
Sum of Constituents		3.36	2.51	2.83	1.73	1.55

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110(190-195)	REP021607	VP-110(200-205)	VP-110(210-215)	VP-110(220-225)
CONSTITUENT	Sample Date:	2/16/2007	2/16/2007	2/13/2007	2/13/2007	2/13/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<b>&lt;</b> 5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1.1-Dichloroethene		<5	<5	<5	<5	<5
1.2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	0.52J	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	< 0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		0.65J	0.75J	1.2J	1.3J	1.3J
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O						
Xylene-M,P			<del></del>	***		
Xylene (total)		<5	<5	<5	<5	<5
		1.36	1.68	2.63	2.3	2.3

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
		VP-110 (230-235	VP-110 (240-245	VP-110 (250-255	VP-110 (260-265	VP-110 (270-275
CONSTITUENT	Sample Date:	2/9/2007	2/9/2007	2/7/2007	2/7/2007	2/7/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
•		<5	<5	<5	<5	<5
1,2-Dichloropropane		<10	<10	<10	<10	<10
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10 <10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone			<0.7	<0.7	<0.7	<0.7
Benzene		<0.7		<0.7 <5	<5	<5
Bromodichloromethane		<5 -5	<5	<5	<5	<5
Bromoform		<b>&lt;</b> 5	<5		<5 <5	<5
Bromomethane		<b>&lt;</b> 5	<b>&lt;</b> 5	<5 -5		<5 <5
Carbon disulfide		<5	<5	<5	<5 	<5 <5
Carbon tetrachloride		<5	<5	<5	<5 	
Chlorobenzene		<5	<5	<5	<5	<5 
Chlorodifluoromethane		<5	<5	<5	<b>&lt;</b> 5	<b>&lt;</b> 5
Chloroethane		<5	<5	<5	<5	<b>&lt;</b> 5
Chloroform		<5	<5	<5	<5	<b>&lt;</b> 5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<b>&lt;</b> 5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachioroethene		<b>&lt;</b> 5	<5	· <5	<5	<5
Toluene		0.87J	1.5J	1.5J	0.54J	1.5J
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<b>&lt;</b> 5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
		<5	<5	<5	<b>&lt;</b> 5	<5
Vinyl Acetate		<2	<2	<2	<2	<2
Vinyl Choride		~2	~2	~~		
Xylene-O						
Xylene-M,P		 -E	 <5	 <5	 <5	<5
Xylene (total)		<5	<2	<u> </u>		
Sum of Constituents		2.47	3.4	4	2.74	3.2

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110(283-288)	VP-110(295-300)	VP-110(315-320)	REP020107	VP-110 (325-33)
CONSTITUENT	Sample Date:	2/6/2007	2/6/2007	2/6/2007	2/1/2007	2/5/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	0.96J	0.74J
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	0.46J	0.36 <b>J</b>
1,1-Dichloroethene		<5	<5	1.4J	2.6J	1.8J
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	1.9JB	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
		<5	<5	<5	0.23J	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	< <u>5</u>	<5	<5	<5
Dibromochloromethane		<5	;> <5	<5	<5	<5
Dichlorodifluoromethane		<5 <5	<5	<5	<5	<b>&lt;</b> 5
Ethylbenzene		<5	<5	<5	0.96J	0.7J
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	0.6J	1.9J	1.3J
Tetrachloroethene				0.77J	0.73J	1J
Toluene		0.56J	<b>1.2J</b> <5	<b>0.773</b> <5	0.73 <b>3</b> <5	<b>&lt;</b> 5
trans-1,2-Dichloroethylene		<5		<5	<5	<5
trans-1,3-Dichloropropene		<5	<5		<5 13	8.5
Trichloroethene		0.39J	2.3J	6.8	13 <5	<b>6.5</b> <5
Vinyl Acetate		<5	<5 -0	<5	<5 <2	<2
Vinyl Choride		<2	<2	<2		
Xylene-O						
Xylene-M,P						 -5
Xylene (total)		<5	<5	<5	<5	<5
Sum of Constituents		2.35	4.47	13.07	22.64	15.7

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110 (333-338	VP-110 (344-349	VP-110 (352-357	VP-110 (362-367	VP-110 (372-377
CONSTITUENT	Sample Date:	2/5/2007	2/1/2007	2/1/2007	1/31/2007	1/31/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		7.1	4.8J	0.99J	2.8J	0.48J
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		0.79J	1.1J	0.4J	1.3J	0.33J
1,1-Dichloroethene		22	16	3.3J	13	1.4J
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<b>&lt;</b> 5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		0.96J	0.61J	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		0.47J	<5	<5	0.4J	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		0.49J	0.46J	0.24J	0.79J	<5
Chloromethane		<5	<b>&lt;</b> 5	<5	<5	<b>&lt;</b> 5
		4.6J	5.4	0.35J	5.6	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<b>&lt;</b> 5
		<5	<5	<5	<5	<b>&lt;</b> 5
Ethylbenzene Freon 113		8.9	5.3	1.1J	3.8J	0.51J
		<b>&lt;</b> 5	<b>5.5</b>	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		11	7.8	2.2J	10	1.4J
Tetrachloroethene		1.3J	0.32J	0.71J	0.23J	0.45J
Toluene			<b>0.323</b> <5	<b>0.713</b> <5	<b>&lt;</b> 5	<5
trans-1,2-Dichloroethylene		<5 <5	<5 <5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5 47	14	51	6.8
Trichloroethene		43		1 <b>4</b> <5	<5	<b>&lt;</b> 5
Vinyl Acetate		<5	<5	<5 <2	<2	<2
Vinyl Choride		<2	<2	~2	~2	~2
Xylene-O						
Xylene-M,P		 	 ./E	 _E	 <5	 <5
Xylene (total)		<5	<5	<5	70	
Sum of Constituents		104.51	91.79	24.89	91.82	12.67

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-111	VP-111	VP-111	VP-111
		VP-110 (382-387	VP-111 (51-50)	VP-111 (71-70)	VP-111 (91)	VP-111 (111)
CONSTITUENT	Sample Date:	1/30/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007
/olatile Organic Compounds						
I,1,1-Trichloroethane		1.4J	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		<5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		<5	< 5	< 5	< 5	< 5
1.1-Dichloroethane		3.9J	< 5	< 5	< 5	< 5
1,1-Dichloroethene		<b>6.3</b> .	< 5	< 5	< 5	< 5
I,2-Dichloroethane		0.79J	< 5	< 5	< 5	< 5
1,2-Dichloropropane		<5	< 5	< 5	< 5	< 5
2-Butanone		<10	< 50	< 50	< 50	< 50
2-Hexanone		<10	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		0.18J	< 50	< 50	< 50	< 50
Acetone		<10	< 50	< 50	< 50	< 50
Benzene		<0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		<5	< 5	< 5	< 5	< 5
Bromoform		<b>&lt;</b> 5	< 5	< 5	< 5	< 5
Bromomethane		<5	< 5	< 5	< 5	< 5
Carbon disulfide		<5	< 50	< 50	< 50	< 50
Carbon tetrachloride		<5	< 5	< 5	< 5	< 5
Chlorobenzene		<5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		0.5J	< 5	< 5	< 5	< 5
Chloroethane		<5	< 5	< 5	< 5	< 5
Chloroform		1.5J	< 7	< 7	< 7	< 7
Chloromethane		<5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		59	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		<5	< 5	< 5	< 5	< 5
Dibromochloromethane		<5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		<5	< 5	< 5	< 5	< 5
Ethylbenzene		<5	< 5	< 5	< 5	< 5
Freon 113		1.9J	< 5	< 5	< 5	< 5
Methylene chloride		<5	< 5	< 5	< 5	< 5
Styrene		<5	< 5	< 5	< 5	< 5
Tetrachloroethene		11	< 5	< 5	< 5	< 5
Tetrachioroethene Toluene		<5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		<5	< 5	< 5	< 5	< 5
trans-1,2-Dichloropropene		<5	< 5	< 5	< 5	< 5
Trichloroethene		120	< 5	< 5	< 5	< 5
Vinyl Acetate		<b>&lt;</b> 5				
		<2	< 2	< 2	< 2	< 2
Vinyl Choride		~2	< 5	< 5	< 5	- < 5
Xylene-O			< 5	< 5	< 5	< 5
Xylene-M,P		 <5				
Xylene (total)						
Sum of Constituents		207.87	0	0	0	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

No. of the last of	Site ID:	VP-111	VP-111	VP-111	VP-111	VP-111
	Sample ID:	VP-111(131)	VP-111(151)	VP-111(171)	REP041807	VP-111(191
CONSTITUENT	Sample Date:	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/19/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon disdilide  Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		< 5	< 5	< 5	< 5	< 5
Toluene		< 5 < 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene			< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5 < 5	< 5 < 5	< 5	< 5	< 5
Trichloroethene						
Vinyl Acetate			 - 0	< 2	 < 2	< 2
Vinyl Choride		< 2	< 2	< 2 < 5	< 5	< 5
Xylene-O		< 5	< 5		< 5 < 5	< 5
Xylene-M,P		< 5	< 5	< 5		
Xylene (total)						
Sum of Constituents		0	0	0	0	0

And the state of t	Site ID: Sample ID:	VP-111 VP-111(211)	VP-111 VP-111(231)	VP-111 VP-111(251)	VP-111 VP-111(271)	VP-111 VP-111(291)
CONSTITUENT	Sample Date:	4/19/2007	4/19/2007	4/19/2007	4/20/2007	4/20/2007
7011011102111						
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	7.4	10
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
		< 5	< 5	< 5	< 5	< 5
Ethylbenzene Freon 113		< 5	< 5	< 5	< 5	< 5
		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene Tetrachloroethene		< 5	< 5	< 5	9.2	48
		< 5	< 5	< 5	< 5	< 5
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	8	8.5
Trichloroethene					- 	
Vinyl Acetate		< 2	< 2	< 2	< 2	< 2
Vinyl Choride		< 5	< 5	< 5	< 5	< 5
Xylene-O			< 5 < 5	< 5	< 5	< 5
Xylene-M,P		< 5				
Xylene (total)						
		0	0	0	24.6	66.5

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-111	VP-111
	Sample ID:	VP-111(311)	VP-111(331)	VP-111 (351)	VP-111 (371)	VP-111 (391)
CONSTITUENT	Sample Date:	4/20/2007	4/20/2007	4/23/2007	4/23/2007	4/24/2007
/olatile Organic Compounds						
I,1,1-Trichloroethane		< 5	5.8	7.6	10	5.6
,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
,1-Dichloroethane		6.4	< 5	< 5	< 5	6.9
,1-Dichloroethene		5.6	7.6	9.2	10	7.4
,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
-Butanone		< 50	< 50	< 50	< 50	< 50
-Hexanone		< 50	< 50	< 50	< 50	< 50
-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
		< 5	< 5	< 5	23	65
cis-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	5.1	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		18	18	14	11	28
Tetrachloroethene			< 5	< 5	<b>&lt;</b> 5	 < 5
Foluene		< 5	< 5	< 5	< 5	< 5
rans-1,2-Dichloroethylene		< 5	-	< 5 < 5	< 5	< 5
rans-1,3-Dichloropropene		< 5	< 5		55	160
Frichloroethene		17	25	30		
/inyl Acetate					 < 2	 < 2
√inyl Choride		< 2	< 2	< 2	< 2 < 5	< 5
Xylene-O		< 5	< 5	< 5		< 5
Xylene-M,P		< 5	< 5	< 5	< 5	
Xylene (total)						
Sum of Constituents		47	56.4	60.8	114.1	272.9

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Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-111	VP-111
	Sample ID:	VP-111 (411)	VP-111 (431)	VP-111 (451)	VP-111 (471)	VP-111 (491
CONSTITUENT	Sample Date:	4/24/2007	4/24/2007	4/24/2007	4/25/2007	4/25/2007
ONOTITOLINI	Campio Bato.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 10	< 25	< 250	< 250	< 25
1,1,2,2-Tetrachloroethane		< 10	< 25	< 250	< 250	< 25
1,1,2-Trichloroethane		< 10	< 25	< 250	< 250	< 25
1,1-Dichloroethane		< 10	< 25	< 250	< 250	< 25
1,1-Dichloroethene		< 10	< 25	< 250	< 250	< 25
1,2-Dichloroethane		< 10	< 25	< 250	< 250	< 25
1,2-Dichloropropane		< 10	< 25	< 250	< 250	< 25
2-Butanone		< 100	< 250	< 2500	< 2500	< 250
2-Hexanone		< 100	< 250	< 2500	< 2500	< 250
4-Methyl-2-pentanone		< 100	< 250	< 2500	< 2500	< 250
Acetone		< 100	< 250	< 2500	< 2500	< 250
Benzene		< 1.4	< 3.5	< 35	< 35	< 3.5
Bromodichloromethane		< 10	< 25	< 250	< 250	< 25
Bromoform		< 10	< 25	< 250	< 250	< 25
Bromomethane		< 10	< 25	< 250	< 250	< 25
Carbon disulfide		< 100	< 250	< 2500	< 2500	< 250
Carbon tetrachloride		< 10	< 25	< 250	< 250	< 25
Chlorobenzene		< 10	< 25	< 250	< 250	< 25
Chlorodifluoromethane		< 10	< 25	< 250	< 250	< 25
Chloroethane		< 10	< 25	< 250	< 250	< 25
Chloroform		< 14	< 35	< 350	< 350	< 35
Chloromethane		< 10	< 25	< 250	< 250	< 25
cis-1,2-Dichloroethylene		130	300	1400	1200	55
cis-1,3-Dichloropropene		< 10	< 25	< 250	< 250	< 25
Dibromochloromethane		< 10	< 25	< 250	< 250	< 25
Dichlorodifluoromethane		< 10	< 25	< 250	< 250	< 25
Ethylbenzene		< 10	< 25	< 250	< 250	< 25
Freon 113		< 10	< 25	< 250	< 250	< 25
		< 10	< 25	< 250	< 250	< 25
Methylene chloride		< 10	< 25	< 250	< 250	< 25
Styrene Tetrachloroethene		13	< 25	< 250	< 250	< 25
		< 10	< 25	< 250	< 250	< 25
Toluene		< 10	< 25	< 250	< 250	< 25
trans-1,2-Dichloroethylene		< 10	< 25	< 250	< 250	< 25
trans-1,3-Dichloropropene		<b>240</b>	<b>520</b>	9100	6500	1700 D
Trichloroethene		240	J20 			
Vinyl Acetate		 < 4	< 10	< 100	< 100	< 10
Vinyl Choride		< 4 < 10	< 25	< 250	< 250	< 25
Xylene-O		< 10	< 25	< 250 < 250	< 250	< 25
Xylene-M,P						
Xylene (total)	Aug.				AND	
Sum of Constituents		383	820	10500	7700	1755

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-111	VP-111 VP-111(571)
	Sample ID:	VP-111 (511)	VP-111 (531)	VP-111 (551)	REP042607	
CONSTITUENT	Sample Date:	4/25/2007	4/26/2007	4/26/2007	4/26/2007	4/27/2007
/olatile Organic Compounds						
1,1,1-Trichloroethane		< 13	< 10	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 13	< 10	< 5	< 5	< 5
1,1,2-Trichloroethane		< 13	< 10	< 5	< 5	< 5
,1-Dichloroethane		< 13	< 10	< 5	< 5	< 5
I,1-Dichloroethene		< 13	< 10	< 5	< 5	< 5
,2-Dichloroethane		< 13	< 10	< 5	< 5	< 5
,2-Dichloropropane		< 13	< 10	< 5	< 5	< 5
2-Butanone		< 130	< 100	< 50	< 50	< 50
2-Hexanone		< 130	< 100	< 50	< 50	< 50
1-Methyl-2-pentanone		< 130	< 100	< 50	< 50	< 50
Acetone		< 130	< 100	< 50	< 50	< 50
Benzene		< 1.8	< 1.4	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 13	< 10	< 5	< 5	< 5
Bromoform		< 13	< 10	< 5	< 5	< 5
Bromomethane		< 13	< 10	< 5	< 5	< 5
Carbon disulfide		< 130	< 100	< 50	< 50	< 50
Carbon tetrachloride		< 13	< 10.	< 5	< 5	< 5
Chlorobenzene		< 13	< 10	< 5	< 5	< 5
Chlorodifluoromethane		< 13	< 10	< 5	< 5	< 5
Chloroethane		< 13	< 10	< 5	< 5	< 5
Chloroform		< 18	< 14	< 7	< 7	< 7
Chloromethane		< 13	< 10	< 5	< 5	< 5
cis-1,2-Dichloroethylene		13	< 10	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 13	< 10	< 5	< 5	< 5
Dibromochloromethane		< 13	< 10	< 5	< 5	< 5
Dichlorodifluoromethane		< 13	< 10	< 5	< 5	< 5
Ethylbenzene		< 13	< 10	< 5	< 5	< 5
Freon 113		< 13	< 10	< 5	< 5	< 5
Methylene chloride		< 13	< 10	< 5	< 5	< 5
Styrene		< 13	< 10	< 5	< 5	< 5
Fetrachloroethene		< 13	< 10	< 5	< 5	< 5
Foluene		< 13	< 10	< 5	< 5	< 5
rans-1,2-Dichloroethylene		< 13	< 10	< 5	< 5	< 5
rans-1,3-Dichloropropene		< 13	< 10	< 5	< 5	< 5
Frichloroethene		820 D	430 D	52	54	< 5
/inyl Acetate						
/inyl Choride		< 5	< 4	< 2	< 2	< 2
Kylene-O		< 13	< 10	< 5	< 5	< 5
-		< 13	< 10	< 5	< 5	< 5
Xylene-M,P Xylene (total)						
Sum of Constituents		833	430	52	54	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-112	VP-112
	Sample ID:	VP-111(591)	VP-111 (616)	VP-111 (631)	VP-112 (60)	VP-112 (80)
CONSTITUENT	Sample Date:	4/27/2007	4/30/2007	5/1/2007	5/23/2007	5/23/2007
/olatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
1-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
		< 5	< 5	< 5	< 5	< 5
Styrene Fetrachloroethene		< 5	< 5	< 5	< 5	< 5
		< 5	< 5	< 5	< 5	< 5
Foluene		< 5	< 5	< 5	< 5	< 5
rans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
rans-1,3-Dichloropropene		< 5 < 5	30	< 5	< 5	< 5
Frichloroethene						
/inyl Acetate			 < 2	 < 2	< 2	< 2
Vinyl Choride		< 2		< 2 < 5	< 5	< 5
Xylene-O		< 5	< 5		< 5 < 5	< 5
Xylene-M,P		< 5	< 5	< 5		
Xylene (total)						

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (100)	VP-112 (120)	VP-112 (140)	VP-112 (165)	VP-112 (185
CONSTITUENT	Sample Date:	5/23/2007	5/24/2007	5/24/2007	5/24/2007	5/30/2007
/olatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1.1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	5.4	20
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachioroethene		6.4	< 5	16	62	76
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		< 5	< 5	< 5	5.2	20
Vinyl Acetate						
Vinyl Choride		< 2	< 2	< 2	< 2	5.9
Xylene-O		< 5	< 5	- < 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)						
Sum of Constituents		6.4	0	16	72.6	121.9

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (200)	VP-112 (220)	VP-112 (240)	VP-112 (260)	VP-112 (280)
CONSTITUENT	Sample Date:	5/30/2007	5/31/2007	5/31/2007	5/31/2007	5/31/2007
/olatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
I,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
I,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	19	66	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		9.8	84	190	6.8	< 5
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		< 5	19	56	< 5	< 5
Vinyl Acetate						
Vinyl Choride		< 2	4.1	5.2	< 2	< 2
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)						
Sum of Constituents		9.8	126.1	317.2	6.8	0

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID: Sample ID:	VP-112 REP053107	VP-112 VP-112 (300)	VP-112 VP-112 (320)	VP-112 VP-112 (340)	VP-112 VP-112 (360)
CONSTITUENT	Sample Date:	5/31/2007	6/1/2007	6/1/2007	6/1/2007	6/4/2007
Volatile Organic Compoun <u>ds</u>						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		64	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		180	< 5	< 5	< 5	< 5
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		55	< 5	< 5	< 5	< 5
Vinyl Acetate						
Vinyl Choride		5.1	< 2	< 2	< 2	< 2
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)						
-		004.4		0	0	0
Sum of Constituents		304.1	00	U	<u> </u>	<u> </u>

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID: Sample ID:	VP-112 VP-112 (380)	VP-112 VP-112(410)	VP-112 VP-112 (420)	VP-112 VP-112 (440)	VP-112 VP-112 (470)
CONSTITUENT	Sample Date:	6/4/2007	6/5/2007	6/6/2007	6/6/2007	6/7/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	5.4	5.2	5.4
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	13
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
•		< 5	< 5	< 5	< 5	< 5
Styrene Tetrachloroethene		< 5	< 5	< 5	< 5	< 5
		< 5	< 5	< 5	< 5	< 5
Toluene trans 1.2 Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
		< 5	< 5	< 5	< 5	86
Trichloroethene					<del>-</del> -	
Vinyl Acetate		< 2	< 2	< 2	< 2	< 2
Vinyl Choride		< 5	< 5	< 5	< 5	- < 5
Xylene-O		< 5 < 5	< 5	< 5	< 5	< 5
Xylene-M,P		~ 5 				
Xylene (total)						
Sum of Constituents		0	0	5.4	5.2	104.4
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Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (480)	VP-112 (500)	VP-112 (520)	REP060707	VP-112 (545)
CONSTITUENT	Sample Date:	6/7/2007	6/7/2007	6/7/2007	6/7/2007	6/8/2007
olatile Organic Compounds						
,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 50
,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 50
,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 50
,1-Dichloroethane		6.1	5.6	< 5	5.5	< 50
,1-Dichloroethene		< 5	< 5	< 5	< 5	< 50
,2-Dichloroethane		< 5	< 5	< 5	< 5	< 50
,2-Dichloropropane		< 5	< 5	< 5	< 5	< 50
-Butanone		< 50	< 50	< 50	< 50	< 500
2-Hexanone		< 50	< 50	< 50	< 50	< 500
Nethyl-2-pentanone		< 50	< 50	< 50	< 50	< 500
		< 50	< 50	< 50	< 50	< 500
Acetone		< 0.7	< 0.7	< 0.7	< 0.7	< 7
Benzene Bromodichloromethane		< 5	< 5	< 5	< 5	< 50
		< 5	< 5	< 5	< 5	< 50
Bromoform		< 5	< 5	< 5	< 5	< 50
Bromomethane		< 50	< 50	< 50	< 50	< 500
Carbon disulfide		< 5 < 5	< 5	< 5	< 5	< 50
Carbon tetrachloride		< 5 < 5	< 5	< 5	< 5	< 50
Chlorobenzene			< 5	< 5	< 5	< 50
Chlorodifluoromethane		< 5		< 5	< 5	< 50
Chloroethane		< 5	< 5 < 7	< 7	< 7	< 70
Chloroform		< 7		< 5	< 5	< 50
Chloromethane		< 5	< 5		14	110
cis-1,2-Dichloroethylene		8.9	24	30	< 5	< 50
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 50
Dibromochloromethane		< 5	< 5	< 5		< 50
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 50
Ethylbenzene		< 5	< 5	< 5	< 5	
Freon 113		< 5	< 5	< 5	< 5	< 50
Methylene chloride		< 5	< 5	< 5	< 5	< 50
Styrene		< 5	< 5	< 5	< 5	< 50
Tetrachioroethene		< 5	< 5	< 5	< 5	< 50
Toluene		< 5	< 5	< 5	< 5	< 50
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 50
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 50
Trichloroethene		26	40	260 D	86	760
Vinyl Acetate						
Vinyl Choride		< 2	< 2	< 2	< 2	< 20
Xylene-O		< 5	< 5	< 5	< 5	< 50
Xylene-M,P		< 5	< 5	< 5	< 5	< 50
Xylene (total)						
		41	69.6	290	105.5	870

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (560)	VP-112 (580)	VP-112 (600)	VP-112 (620)	VP-112 (640
CONSTITUENT	Sample Date:	6/8/2007	6/8/2007	6/11/2007	6/13/2007	6/13/2007
olatile Organic Compounds						
1,1,1-Trichloroethane		< 25	< 50	< 25	< 25	< 25
• •		< 25	< 50	< 25	< 25	< 25
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane		< 25	< 50	< 25	< 25	< 25
1, 1,2-111chloroethane		< 25	< 50	< 25	< 25	< 25
•		< 25	< 50	< 25	< 25	< 25
1,1-Dichloroethene		< 25	< 50	< 25	< 25	< 25
1,2-Dichloroethane		< 25	< 50	< 25	< 25	< 25
1,2-Dichloropropane		< 250	< 500	< 250	< 250	< 250
2-Butanone		< 250 < 250	< 500	< 250	< 250	< 250
2-Hexanone			< 500	< 250	< 250	< 250
4-Methyl-2-pentanone		< 250	< 500 < 500	< 250 < 250	< 250	< 250
Acetone		< 250	< 500 < 7	< 3.5	< 3.5	< 3.5
Benzene		< 3.5		< 25	< 25	< 25
Bromodichloromethane		< 25	< 50	< 25 < 25	< 25	< 25
Bromoform		< 25	< 50		< 25	< 25
Bromomethane		< 25	< 50	< 25	< 250	< 250
Carbon disulfide		< 250	< 500	< 250		< 25
Carbon tetrachloride		< 25	< 50	< 25	< 25	< 25
Chlorobenzene		< 25	< 50	< 25	< 25	
Chlorodifluoromethane		< 25	< 50	< 25	< 25	< 25
Chloroethane		< 25	< 50	< 25	< 25	< 25
Chloroform		< 35	< 70	45	< 35	< 35
Chloromethane		< 25	< 50	< 25	< 25	< 25
cis-1,2-Dichloroethylene		96	190	130	30	< 25
cis-1,3-Dichloropropene		< 25	< 50	< 25	< 25	< 25
Dibromochloromethane		< 25	< 50	< 25	< 25	< 25
Dichlorodifluoromethane		< 25	< 50	< 25	< 25	< 25
Ethylbenzene		< 25	< 50	< 25	< 25	< 25
Freon 113		< 25	< 50	< 25	< 25	< 25
Methylene chloride		< 25	< 50	< 25	< 25	< 25
Styrene		< 25	< 50	< 25	< 25	< 25
Tetrachloroethene		< 25	< 50	< 25	< 25	< 25
Toluene		< 25	< 50	< 25	< 25	< 25
trans-1,2-Dichloroethylene		< 25	< 50	< 25	< 25	< 25
trans-1,3-Dichloropropene		< 25	< 50	< 25	< 25	< 25
Trichloroethene		480	680	580	560	120
Vinyl Acetate		< 10	< 20	< 10	< 10	< 10
Vinyl Choride		< 25	< 50	< 25	< 25	< 25
Xylene-O		< 25	< 50	< 25	< 25	< 25
Xylene-M,P						
Xylene (total)				.,		
					590	120

Table 1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (660)	VP-112 (680)	VP-112 (700)
CONSTITUENT	Sample Date:	6/14/2007	6/14/2007	6/14/2007
Volatile Organic Compounds				
1,1,1-Trichloroethane		< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50
Acetone		< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5
Bromoform		< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5
Chloroform		< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5
Freon 113		< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5
Styrene		< 5	< 5	< 5
Tetrachloroethene		< 5	< 5	< 5
Toluene		< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5
Trichloroethene		< 5	< 5	< 5
Vinyl Acetate				
Vinyl Choride		< 2	< 2	< 2
Xylene-O		< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5
Xylene (total)				
Sum of Complify and		0	0	0
Sum of Constituents		U	U	