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Mr. Steven Scharf, P.E.  
New York State Department of Environmental Conservation (NYSDEC)  
Division of Environmental Remediation  
625 Broadway  
Albany, New York 12233-7015

Subject:  
Results of First Quarter 2010 Groundwater Monitoring,  
Operable Unit 2, Northrop Grumman Systems Corporation and Naval Weapons  
Industrial Reserve Plant (NWIRP) Sites, Bethpage, New York.  
(NYSDEC Site #s 1-30-003A and B)

ENVIRONMENT

Date:  
May 14, 2010

Dear Mr. Scharf:

Contact:  
David Stern

On behalf of Northrop Grumman Systems Corporation (Northrop Grumman),  
ARCADIS is providing the NYSDEC with the validated results of groundwater  
monitoring performed in accordance with the approved groundwater monitoring plan  
(ARCADIS G&M, Inc. 2006) and the Public Water Supply Contingency Plan  
(PWSCP) (ARCADIS G&M, Inc. 2003) for the First Quarter of 2010 for Operable Unit  
2 (OU2). Table 1 provides OU2 remedial system performance operational data and  
water balance. Tables 2, 3, and 4 provide the analytical results of monitoring for this  
period. Figure 1 shows the site plan with well locations.

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Our ref:  
NY001496.0410.0004

Please contact us if you have any questions or comments.

Sincerely,

ARCADIS of New York, Inc.

David E. Stern  
Senior Hydrogeologist

Carlo San Giovanni  
Project Manager

Enclosures

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See Attached Distribution List

Imagine the result

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Table 1. Summary of Operational Data and Water Balance for the On-Site Portion of the OU2 Groundwater Remedy, First Quarter 2010, Operable Unit 2, Northrop Grumman Corporation, Bethpage, New York.

Identification	Design Pumping/Recharge Rate <sup>(a)</sup> (gpm)	Current Actual Average Pumping/Recharge Rate <sup>(b)</sup> (gpm)	Design Total Pumpage/Recharge (MG)	Current Actual Total Pumpage/Recharge (MG)	Current Percent of Design Pumpage/Recharge	Current TCE Concentration (ug/L)	Current TVOC Concentration <sup>(c)</sup> (ug/L)	1st Quarter 2010 Estimated VOC Mass Removed <sup>(d)</sup> (lbs)
<b>Remedial Wells</b>								
<b>Groundwater Removed from Aquifer</b>								
Well 1	800	805	106.0	103.6	98%	360	462	399
Well 3	700	715	92.7	92.1	99%	2,200	2,469	1,894
Well 17	1,000	1,016	132.5	133.2	101%	200	237	263
Well 18	600	631	79.5	82.7	104%	91	113	78
Well 19	700	711	92.7	93.3	101%	190	225.9	176
<b>Rounded Totals:</b>	<b>3,800</b>	<b>3,878</b>	<b>503</b>	<b>505</b>	<b>100%</b>	<b>--</b>	<b>--</b>	<b>2,810</b>
<b>Recharge Basins <sup>(a)</sup></b>								
<b>Treated Water Recharged to Aquifer</b>								
West Recharge Basins	0	1,178	0	156.1	--	--	--	--
South Recharge Basins	2,231	2,556	295.6	338.6	115%	--	--	--
<b>Rounded Totals:</b>	<b>2,231</b>	<b>3,734</b>	<b>296</b>	<b>494.7</b>	<b>167%</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Treated Water Sent to Calpine</b>								
Calpine Demand	100-400	140	14-56	18.5	--	--	--	--
<b>Treatment Efficiencies</b>								
<b>Average SPDES Outfall TVOC Concentrations (ug/L) <sup>(f)</sup></b>								
Tower 96 System Efficiency <sup>(e)</sup> :		<b>&gt;99.9%</b>		<b>0.3</b>				
Tower 102 System Efficiency <sup>(e)</sup> :		<b>&gt;99.9%</b>		<b>&lt;0.5</b>				

see footnotes on last page

Table 1. Summary of Operational Data and Water Balance for the On-Site Portion of the OU2 Groundwater Remedy, First Quarter 2010, Operable Unit 2, Northrop Grumman Corporation, Bethpage, New York.

- (a) - Design remedial well pumping rates based on computer modeling (ARCADIS G& M, Inc. 2003c). Acceptable design recharge rates based on computer modeling (ARCADIS G&M, Inc. 2004b). Design pumping and recharge rates were modified in April, 2005. Recharge includes remedial well pumpage (minus Calpine demand, Oxy biosparge system demand, incidental irrigation use, and pipe loss), plus incidental runoff from precipitation. Current average recharge rates have been determined using the entire 92-day span of time as opposed to current average pumping rates, which account for varying amounts of downtime, as indicated below.
- b) - OU2 wells were operational during the First Quarter 2010, at the following percentages: Well-1 (97.1%), Well-3 (97.2%); Well-17 (99%), Well-18 (99%), and Well-19 (99%). The Actual Average Pumping Rates and rate of treated water sent to Calpine are for when the wells are pumping.
- (c) - The TVOC concentration for each well was calculated based on First Quarter 2010 groundwater monitoring data (Table 2).
- (d) - TVOC mass removed is based on the TVOC data given above and the following formula:

$$\text{(TVOC concentration in ug/L) X (gallons pumped) X (3.785 L/gal) X (1 x 10}^{-6}\text{ g/ug) X (2.2 x 10}^{-3}\text{ lb/g)}$$

- (e) Remedial System Efficiency calculated from values above and in Table 2 using the following formula:

$$1 - \left[ \left( \frac{\text{Average SPDES TVOC Concentration at Outfall}}{\frac{[(\text{TVOC}_{\text{Well 1}} \times \text{Q}_{\text{Well 1}}) + (\text{TVOC}_{\text{Well 2}} \times \text{Q}_{\text{Well 2}}) \text{ etc...}]}{(\text{Q}_{\text{Well 1}} + \text{Q}_{\text{Well 2}} \text{ etc..})}} \right) \right]$$

-When non-detectable levels of VOCs are found in the effluent, a value of zero is used to estimate the efficiency of the air stripper.

- (f) -Towers 102 and 96 outfalls are identified as Outfalls 005 and 006, respectively (commonly known as the South Recharge Basins and Plant 5 Recharge Basins, respectively). Complete SPDES reporting provided to NYSDEC by NGC under separate cover.

--	Not Available or Not Applicable	lb/g	pounds per gram
TVOC	Total Volatile Organic Compounds	lbs	pounds
g/ug	grams per microgram	MG	Million Gallons
gpm	gallons per minute	ug/L	micrograms per liter
L/gal	Liters per gallon	OU2	Operable Unit 2
SPDES	State Pollutant Discharge Elimination System	Q	Pumping Rate
NGC	Northrop Grumman Corporation	NYSDEC	New York State Department of Environmental Conservation

Table 2. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and Groundwater Remedial Wells, First Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	Well:	N-10624	N-10627	N-10631	FW-03	GM-13D	GM-15I	GM-15S	GM-15D
	Sample ID:	N-10624	N-10627	N-10631	FW-03	GM-13D	GM-15I	GM-15S	GM-15D
	Date:	2/3/2010	2/2/2010	2/2/2010	1/29/2010	2/9/2010	2/24/2010	2/1/2010	1/21/2010
1,1,1-Trichloroethane	< 5	< 5	< 5	<b>0.28 J</b>	<b>4.1 J</b>	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
1,1-Dichloroethane	< 5	< 5	< 5	< 5	<b>6 J</b>	< 5	< 5	< 5	< 5
1,1-Dichloroethene	< 5	< 5	< 5	< 5	<b>13</b>	< 5	< 5	< 5	< 5
1,2-Dichloroethane	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
1,2-Dichloropropane	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
2-Butanone	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50
Benzene	< 0.7	< 0.7	< 0.7	< 0.7	< 1.4	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Bromoform	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Bromomethane	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Carbon Disulfide	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Carbon tetrachloride	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Chlorobenzene	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	< 5	< 5	< 5	< 5	<b>2.9 J</b>	<b>35</b>	< 5	< 5	< 5
Chloroethane	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Chloroform	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Chloromethane	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	< 5	< 5	< 5	<b>0.62 J</b>	<b>27</b>	< 5	<b>0.58 J</b>	< 5	< 5
cis-1,3-dichloropropene	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Dibromochloromethane	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Ethylbenzene	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Methylene Chloride	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Styrene	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Tetrachloroethene	< 5	< 5	< 5	<b>58</b>	<b>240</b>	< 5	< 5	<b>0.52 J</b>	< 5
Toluene	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Trichloroethylene	< 5	<b>0.77 J</b>	< 5	<b>2.5 J</b>	<b>82</b>	<b>3.2 J</b>	<b>7.4</b>	<b>0.93 J</b>	< 5
Trichlorotrifluoroethane (Freon 113)	< 5	< 5	< 5	< 5	<b>3.2 J</b>	< 5	< 5	< 5	< 5
Vinyl Chloride	< 2	< 2	< 2	< 2	< 4	< 2	< 2	< 2	< 2
Xylene-o	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
Xylenes - m,p	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5
<b>Total VOC</b>	<b>0</b>	<b>0.77</b>	<b>0</b>	<b>61.4</b>	<b>378.2</b>	<b>38.2</b>	<b>7.98</b>	<b>1.45</b>	

**Bold** Constituent detected  
 VOCs Volatile Organic Compounds  
 ug/L Micrograms per liter  
 J Constituent value is estimated  
 D Constituent identified at a secondary dilution

Table 2. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and Groundwater Remedial Wells, First Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	Well: GM-15D2 Sample ID: GM-15D2 Date: 1/21/2010	GM-17I GM-17I 2/16/2010	GM-17D GM-17D 2/17/2010	GM-18I GM-18I 2/9/2010	GM-18D GM-18D 2/17/2010	GM-20I GM-20I 2/12/2010	GM-20D GM-20D 2/12/2010	GM-21S GM-21S 1/29/2010
1,1,1-Trichloroethane	< 5	< 5	< 5	< 5	<b>0.35 J</b>	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene	<b>0.9 J</b>	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	< 5	< 5	< 5	< 5	<b>0.43 J</b>	< 5	< 5	< 5
Chlorobenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	<b>1.1 J</b>	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 5	< 5	< 5	< 5	<b>0.58 J</b>	< 5	< 5	< 5
Chloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	<b>0.32 J</b>	< 5	< 5	< 5	<b>0.96 J</b>	< 5	< 5	< 5
cis-1,3-dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	<b>10</b>	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Toluene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	<b>10</b>	<b>0.45 J</b>	<b>0.49 J</b>	<b>0.43 J</b>	<b>3.2 J</b>	< 5	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	<b>1.2 J</b>	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl Chloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
<b>Total VOC</b>	<b>23.52</b>	<b>0.45</b>	<b>0.49</b>	<b>0.43</b>	<b>5.52</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Bold** Constituent detected  
 VOCs Volatile Organic Compounds  
 ug/L Micrograms per liter  
 J Constituent value is estimated  
 D Constituent identified at a secondary dilution

Table 2. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and Groundwater Remedial Wells, First Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	Well:	GM-21I	GM-21D	GM-33D2	GM-34D	GM-34D2	GM-35D2	GM-36D	GM-36D2
	Sample ID:	GM-21I	GM-21D	GM-33D2	GM-34D	GM-34D2	GM-35D2	GM-36D	GM-36D2
	Date:	2/11/2010	2/8/2010	2/2/2010	2/5/2010	2/5/2010	2/3/2010	2/9/2010	2/9/2010
1,1,1-Trichloroethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
1,1,2,2-Tetrachloroethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
1,1,2-Trichloroethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
1,1-Dichloroethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
1,1-Dichloroethene	< 5	< 5	< 5	<b>7.8 J</b>	<b>1.7 J</b>	<b>0.51 J</b>	< 5	<b>0.53 J</b>	
1,2-Dichloroethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
1,2-Dichloropropane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
2-Butanone	< 50	< 50	< 50	< 250	< 100	< 50	< 50	< 50	
2-Hexanone	< 50	< 50	< 50	< 250	< 100	< 50	< 50	< 50	
4-methyl-2-pentanone	< 50	< 50	< 50	< 250	< 100	< 50	< 50	< 50	
Acetone	< 50	< 50 B	< 50	< 250 B	< 100 B	< 50	< 50	< 50	
Benzene	< 0.7	< 0.7	< 0.7	< 3.5	< 1.4	< 0.7	< 0.7	< 0.7	
Bromodichloromethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Bromoform	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Bromomethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Carbon Disulfide	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Carbon tetrachloride	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Chlorobenzene	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Chlorodifluoromethane (Freon 22)	< 5	< 5	< 5	< 25	< 10	<b>0.51 J</b>	< 5	< 5	
Chloroethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Chloroform	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Chloromethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
cis-1,2-dichloroethene	< 5	< 5	<b>0.44 J</b>	<b>7.9 J</b>	<b>6.3 J</b>	<b>1.5 J</b>	< 5	< 5	
cis-1,3-dichloropropene	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Dibromochloromethane	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Dichlorodifluoromethane (Freon 12)	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Ethylbenzene	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Methylene Chloride	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Styrene	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Tetrachloroethene	< 5	< 5	<b>9.7</b>	<b>5.8 J</b>	<b>9.8 J</b>	<b>8.8</b>	< 5	< 5	
Toluene	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
trans-1,2-dichloroethene	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
trans-1,3-dichloropropene	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Trichloroethylene	< 5	<b>0.89 J</b>	<b>35</b>	<b>510</b>	<b>300</b>	<b>170 D</b>	<b>1.2 J</b>	<b>1.3 J</b>	
Trichlorotrifluoroethane (Freon 113)	< 5	< 5	<b>16</b>	<b>10 J</b>	<b>3.8 J</b>	<b>3.4 J</b>	< 5	< 5	
Vinyl Chloride	< 2	< 2	< 2	< 10	< 4	< 2	< 2	< 2	
Xylene-o	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
Xylenes - m,p	< 5	< 5	< 5	< 25	< 10	< 5	< 5	< 5	
<b>Total VOC</b>	<b>0</b>	<b>0.89</b>	<b>61.14</b>	<b>541.5</b>	<b>321.6</b>	<b>184.72</b>	<b>1.2</b>	<b>1.83</b>	

**Bold** Constituent detected  
 VOCs Volatile Organic Compounds  
 ug/L Micrograms per liter  
 J Constituent value is estimated  
 D Constituent identified at a secondary dilution

Table 2. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and Groundwater Remedial Wells, First Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	Well:	GM-37D	GM-37D2	GM-38D	GM-38D2	GM-39D <sub>A</sub>	GM-39D <sub>B</sub>	GM-70D2	GM-71D2
	Sample ID:	GM-37D	GM-37D2	GM-38D	GM-38D2	GM-39D <sub>A</sub>	GM-39D <sub>B</sub>	GM-70D2	GM-71D2
	Date:	2/15/2010	2/15/2010	2/4/2010	2/4/2010	1/29/2010	1/29/2010	2/16/2010	2/3/2010
1,1,1-Trichloroethane	< 5	<b>1.2 J</b>	<b>2.7 J</b>	<b>1.3 J</b>	< 5	< 5	< 5	<b>1.9 J</b>	
1,1,2,2-Tetrachloroethane	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
1,1,2-Trichloroethane	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
1,1-Dichloroethane	< 5	<b>3.3 J</b>	<b>6 J</b>	<b>1.1 J</b>	< 5	< 5	< 5	<b>5.8</b>	
1,1-Dichloroethene	< 5	<b>1.3 J</b>	<b>4.5 J</b>	<b>2.3 J</b>	< 5	< 5	< 5	<b>2.7 J</b>	
1,2-Dichloroethane	< 5	< 5	<b>1.6 J</b>	< 13	< 5	< 5	< 5	< 5	
1,2-Dichloropropane	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
2-Butanone	< 50	< 50	< 250	< 130	< 50	< 50	< 50	< 50	
2-Hexanone	< 50	< 50	< 250	< 130	< 50	< 50	< 50	< 50	
4-methyl-2-pentanone	< 50	< 50	< 250	< 130	< 50	< 50	< 50	< 50	
Acetone	< 50	< 50	< 250 B	< 130 B	< 50	< 50	< 50	< 50	
Benzene	< 0.7	< 0.7	< 3.5	< 1.8	< 0.7	< 0.7	< 0.7	< 0.7	
Bromodichloromethane	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Bromoform	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Bromomethane	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Carbon Disulfide	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Carbon tetrachloride	< 5	< 5	< 25	< 13	< 5	< 5	< 5	<b>0.68 J</b>	
Chlorobenzene	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Chlorodifluoromethane (Freon 22)	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Chloroethane	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Chloroform	<b>0.32 J</b>	<b>0.39 J</b>	< 25	< 13	< 5	< 5	< 5	<b>0.91 J</b>	
Chloromethane	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
cis-1,2-dichloroethene	< 5	<b>0.32 J</b>	<b>1.8 J</b>	<b>4.5 J</b>	< 5	< 5	< 5	<b>0.97 J</b>	
cis-1,3-dichloropropene	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Dibromochloromethane	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Dichlorodifluoromethane (Freon 12)	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Ethylbenzene	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Methylene Chloride	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Styrene	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Tetrachloroethene	<b>0.53 J</b>	<b>0.56 J</b>	<b>10 J</b>	< 13	< 5	< 5	<b>4.5 J</b>	< 5	
Toluene	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
trans-1,2-dichloroethene	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
trans-1,3-dichloropropene	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Trichloroethylene	< 5	<b>2.7 J</b>	<b>870</b>	<b>370</b>	<b>10</b>	<b>34</b>	<b>23</b>	<b>10</b>	
Trichlorotrifluoroethane (Freon 113)	< 5	< 5	< 25	<b>1.5 J</b>	< 5	< 5	<b>0.8 J</b>	< 5	
Vinyl Chloride	< 2	< 2	< 10	< 5	< 2	< 2	< 2	< 2	
Xylene-o	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
Xylenes - m,p	< 5	< 5	< 25	< 13	< 5	< 5	< 5	< 5	
<b>Total VOC</b>	<b>0.85</b>	<b>9.77</b>	<b>896.6</b>	<b>380.7</b>	<b>10</b>	<b>34</b>	<b>28.3</b>	<b>22.96</b>	

**Bold** Constituent detected  
 VOCs Volatile Organic Compounds  
 ug/L Micrograms per liter  
 J Constituent value is estimated  
 D Constituent identified at a secondary dilution



Table 2. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and Groundwater Remedial Wells, First Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	Well:	GM-73D	GM-73D2	GM-74I	GM-74D	GM-74D2	GM-75D2	GM-78S	GM-78I
	Sample ID:	GM-73D	GM-73D2	GM-74I	GM-74D	GM-74D2	GM-75D2	GM-78S	GM-78I
	Date:	1/28/2010	1/28/2010	1/28/2010	1/28/2010	1/28/2010	2/3/2010	1/29/2010	1/29/2010
1,1,1-Trichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane	< 5	<b>0.35 J</b>	< 5	< 5	<b>0.4 J</b>	< 5	< 5	< 5	< 5
1,1-Dichloroethene	< 5	<b>0.51 J</b>	< 5	< 5	<b>0.63 J</b>	<b>0.51 J</b>	< 5	< 5	< 5
1,2-Dichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
4-methyl-2-pentanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromoform	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	< 5	< 5	< 5	< 5	<b>0.52 J</b>	< 5	< 5	< 5	< 5
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 5	< 5	< 5	< 5	<b>0.24 J</b>	< 5	< 5	< 5	< 5
Chloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-dichloroethene	< 5	<b>0.5 J</b>	< 5	< 5	<b>0.22 J</b>	<b>0.21 J</b>	< 5	< 5	< 5
cis-1,3-dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Styrene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tetrachloroethene	< 5	<b>0.54 J</b>	< 5	<b>0.43 J</b>	<b>5.9</b>	<b>2.3 J</b>	< 5	< 5	< 5
Toluene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-dichloroethene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,3-dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	<b>3.3 J</b>	<b>47</b>	< 5	<b>2.6 J</b>	<b>6.4</b>	<b>82</b>	<b>0.28 J</b>	< 5	< 5
Trichlorotrifluoroethane (Freon 113)	< 5	< 5	< 5	< 5	<b>0.61 J</b>	<b>0.57 J</b>	< 5	< 5	< 5
Vinyl Chloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Xylene-o	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Xylenes - m,p	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
<b>Total VOC</b>	<b>3.3</b>	<b>48.9</b>	<b>0</b>	<b>3.03</b>	<b>14.92</b>	<b>85.59</b>	<b>0.28</b>	<b>0</b>	<b>0</b>

**Bold** Constituent detected  
 VOCs Volatile Organic Compounds  
 ug/L Micrograms per liter  
 J Constituent value is estimated  
 D Constituent identified at a secondary dilution

Table 2. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and Groundwater Remedial Wells, First Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	Well:	GM-79I	GM-79D	HN-40S	HN-40I	HN-42S	HN-42I	WELL 1	WELL 3
	Sample ID:	GM-79I	GM-79D	HN-40S	HN-40I	HN-42S	HN-42I	WELL 1	WELL 3
	Date:	1/22/2010	1/22/2010	1/28/2010	1/28/2010	1/28/2010	1/28/2010	2/1/2010	2/1/2010
1,1,1-Trichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
1,1,2,2-Tetrachloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
1,1,2-Trichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
1,1-Dichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<b>0.93 J</b>	< 100
1,1-Dichloroethene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<b>1.7 J</b>	<b>9.2 J</b>
1,2-Dichloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
1,2-Dichloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<b>4.8 J</b>	< 100
2-Butanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 130	< 1000
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 130	< 1000
4-methyl-2-pentanone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 130	< 1000
Acetone	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 130	< 1000
Benzene	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 1.8	< 14
Bromodichloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Bromoform	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Carbon Disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Carbon tetrachloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Chlorobenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Chlorodifluoromethane (Freon 22)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Chloroform	< 5	< 5	<b>0.62 J</b>	<b>0.43 J</b>	< 5	< 5	< 5	< 13	< 100
Chloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
cis-1,2-dichloroethene	< 5	<b>0.37 J</b>	< 5	< 5	< 5	<b>4.7 J</b>	<b>4.4 J</b>	<b>15 J</b>	
cis-1,3-dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Dibromochloromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Dichlorodifluoromethane (Freon 12)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Ethylbenzene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Styrene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Tetrachloroethene	< 5	<b>0.78 J</b>	< 5	<b>0.3 J</b>	< 5	<b>0.3 J</b>	<b>86</b>	<b>65 J</b>	
Toluene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
trans-1,2-dichloroethene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
trans-1,3-dichloropropene	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Trichloroethylene	< 5	<b>37</b>	< 5	< 5	< 5	<b>12</b>	<b>360</b>	<b>2200</b>	
Trichlorotrifluoroethane (Freon 113)	< 5	<b>0.55 J</b>	< 5	< 5	< 5	< 5	<b>4.2 J</b>	< 100	
Vinyl Chloride	< 2	< 2	< 2	< 2	< 2	< 2	< 5	<b>180</b>	
Xylene-o	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
Xylenes - m,p	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 13	< 100
<b>Total VOC</b>	<b>0</b>	<b>38.7</b>	<b>0.62</b>	<b>0.73</b>	<b>0</b>	<b>17</b>	<b>462.03</b>	<b>2469.2</b>	

**Bold** Constituent detected  
 VOCs Volatile Organic Compounds  
 ug/L Micrograms per liter  
 J Constituent value is estimated  
 D Constituent identified at a secondary dilution

Table 2. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and Groundwater Remedial Wells, First Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	Well: TOWER 96 EFFLUENT WELL 17 WELL 18 WELL 19 TOWER 102 EFFLUENT				
	Sample ID: TOWER 96 EFFLUENT	WELL 17	WELL 18	WELL 19	TOWER 102 EFFLUENT
Date:	2/1/2010	2/1/2010	2/1/2010	2/1/2010	2/1/2010
1,1,1-Trichloroethane	< 5	< 10	<b>1.4 J</b>	<b>0.69 J</b>	< 5
1,1,2,2-Tetrachloroethane	< 5	< 10	< 5	< 5	< 5
1,1,2-Trichloroethane	< 5	< 10	< 5	< 5	< 5
1,1-Dichloroethane	< 5	<b>1 J</b>	<b>1.2 J</b>	<b>0.98 J</b>	< 5
1,1-Dichloroethene	< 5	<b>2.1 J</b>	<b>4.3 J</b>	<b>1.6 J</b>	< 5
1,2-Dichloroethane	< 5	< 10	< 5	<b>0.58 J</b>	< 5
1,2-Dichloropropane	< 5	< 10	< 5	< 5	< 5
2-Butanone	< 50	< 100	< 50	< 50	< 50
2-Hexanone	< 50	< 100	< 50	< 50	< 50
4-methyl-2-pentanone	< 50	< 100	< 50	< 50	< 50
Acetone	< 50	< 100	< 50	< 50	< 50
Benzene	< 0.7	< 1.4	< 0.7	< 0.7	< 0.7
Bromodichloromethane	< 5	< 10	< 5	< 5	< 5
Bromoform	< 5	< 10	< 5	< 5	< 5
Bromomethane	< 5	< 10	< 5	< 5	< 5
Carbon Disulfide	< 5	< 10	< 5	< 5	< 5
Carbon tetrachloride	< 5	< 10	< 5	< 5	< 5
Chlorobenzene	< 5	< 10	< 5	< 5	< 5
Chlorodifluoromethane (Freon 22)	< 5	< 10	<b>0.4 J</b>	<b>0.47 J</b>	< 5
Chloroethane	< 5	< 10	< 5	< 5	< 5
Chloroform	< 5	< 10	<b>0.27 J</b>	<b>0.73 J</b>	< 5
Chloromethane	< 5	< 10	< 5	< 5	< 5
cis-1,2-dichloroethene	< 5	<b>3.8 J</b>	<b>1.9 J</b>	<b>22</b>	<b>0.34 J</b>
cis-1,3-dichloropropene	< 5	< 10	< 5	< 5	< 5
Dibromochloromethane	< 5	< 10	< 5	< 5	< 5
Dichlorodifluoromethane (Freon 12)	< 5	< 10	< 5	< 5	< 5
Ethylbenzene	< 5	< 10	< 5	< 5	< 5
Methylene Chloride	< 5	< 10	< 5	< 5	< 5
Styrene	< 5	< 10	< 5	< 5	< 5
Tetrachloroethene	< 5	<b>22</b>	<b>11</b>	<b>7.3</b>	< 5
Toluene	< 5	< 10	< 5	< 5	< 5
trans-1,2-dichloroethene	< 5	< 10	< 5	<b>0.58 J</b>	< 5
trans-1,3-dichloropropene	< 5	< 10	< 5	< 5	< 5
Trichloroethylene	<b>1.8 J</b>	<b>200</b>	<b>91</b>	<b>190</b>	<b>1 J</b>
Trichlorotrifluoroethane (Freon 113)	< 5	<b>7.8 J</b>	<b>1.7 J</b>	<b>0.93 J</b>	< 5
Vinyl Chloride	< 2	< 4	< 2	< 2	< 2
Xylene-o	< 5	< 10	< 5	< 5	< 5
Xylenes - m,p	< 5	< 10	< 5	< 5	< 5
<b>Total VOC</b>	<b>1.8</b>	<b>236.7</b>	<b>113.17</b>	<b>225.86</b>	<b>1.34</b>

**Bold** Constituent detected  
 VOCs Volatile Organic Compounds  
 ug/L Micrograms per liter  
 J Constituent value is estimated  
 D Constituent identified at a secondary dilution



Table 3. Concentrations of Total and Dissolved Cadmium and Chromium Detected in Monitoring Wells, First Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in mg/L)	Well:	GM-15S	GM-78I	GM-78S	MW-01GF	MW-02GF	N-10631	PT1 MW-04	PT1 MW-05	PT1 MW-06
	Sample ID:	GM-15S	GM-78I	GM-78S	MW-01GF	MW-02GF	N-10631	PT1 MW-04	PT1 MW-05	PT1 MW-06
	Date:	2/1/2010	1/29/2010	1/29/2010	2/3/2010	2/1/2010	2/2/2010	2/1/2010	2/1/2010	2/1/2010
Cadmium	--	< 5	< 5	< 5	< 5	< 5	< 5	--	--	--
Cadmium (Dissolved)	--	< 5	< 5	< 5	< 5	< 5	< 5	--	--	--
Chromium	<b>561</b>	< 10	< 10	< 10	<b>31</b>	<b>33</b>	< 10	<b>399</b>	<b>275</b>	
Chromium (Dissolved)	--	< 10	< 10	< 10	<b>27</b>	<b>18</b>	--	--	--	

mg/L Milligrams per liter  
**Bold** Constituent detected above IDL.  
 -- Not analyzed



Table 4. Concentrations of Site-Related Volatile Organic Compounds Detected in Outpost Wells, First Quarter 2010, Operable Unit 2, Northrop Grumman Systems Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	Well: Sample ID: Date:	BPOW 1-1 <sup>(3)</sup> BPOW 1-1 1/21/2010	BPOW 1-2 <sup>(3)</sup> BPOW 1-2 1/21/2010	BPOW 1-3 <sup>(3)</sup> BPOW 1-3 1/22/2010	BPOW 3-1 BPOW 3-1 1/26/2010	BPOW 3-2 BPOW 3-2 1/22/2010	BPOW 4-1 BPOW 4-1 1/25/2010	BPOW 4-2 BPOW 4-2 1/27/2010	BPOW 4-3* BPOW 4-3* 1/27/2010
1,1,1-Trichloroethane		<b>0.91</b>	< 0.5	<b>3</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,1,2-Tetrachloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane		<b>0.31 J</b>	< 0.5	<b>1.4</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethene		<b>0.57</b>	< 0.5	<b>2.3</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-Dichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-Dichloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorotrifluoroethane (Freon 113)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<b>0.87</b>	<b>0.44 J</b>	<b>0.48 J</b>
Tetrachloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-Dichloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene		<b>1.4</b>	< 0.5	<b>0.86</b>	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
<b>Total Site-Related VOCs<sup>(1)</sup> :</b>		<b>3.19</b>	<b>0</b>	<b>7.56</b>	<b>0</b>	<b>0</b>	<b>0.87</b>	<b>0.44</b>	<b>0.48</b>
<b>TVOC Trigger Value<sup>(2)</sup> :</b>		<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>

**Note:** Outpost wells OW2-1 and OW2-2 were not sampled by Northrop Grumman this round, due to ongoing NYSDEC investigation of non-site related VOCs (benzene and methyl tertiary butyl ether) detected in these wells.

<sup>(1)</sup> Site-related VOCs were established in the Public Water Supply Contingency Plan (PWSCP) (ARCADIS G&M, Inc. 2003).

<sup>(2)</sup> TVOC Trigger Values were established in the PWSCP (ARCADIS G&M, Inc. 2003).

<sup>(3)</sup> The TVOC Trigger Value for Cluster 1 was initially exceeded on April 23, 2004; confirmatory sampling and reporting was conducted as per the 2003). PWSCP (ARCADIS G&M, Inc.)

\* Replicate Sample

ug/L Micrograms per liter

**Bold** Constituent detected

TVOC Total Volatile Organic Compounds

