



1-30-0030-002

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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

ENVIRONMENT

Subject:
First Quarter 2005 Groundwater Monitoring Data, Operable Unit 2,
Northrop Grumman Corporation, Bethpage, New York.

Dear Mr. Scharf:

Date:
15 June 2005

On behalf of Northrop Grumman Corporation (NGC), ARCADIS is providing the NYSDEC with the validated results of groundwater monitoring performed in the First Quarter 2005 for Operable Unit 2. Tables 1 and 2 provide the complete results of monitoring for volatile organic compounds (VOCs) and cadmium and chromium (Cd/Cr), respectively, for this period. Table 3 provides the site-related VOC results for the outpost wells for the First Quarter 2005.

Contact:
David E. Stern

Phone:
(631) 391-5284

Please contact us if you have any questions or comments.

Email:
dstern@arcadis-us.com

Sincerely,

Our ref:
NY001348.0405.00004

ARCADIS G&M, Inc.

David E. Stern
Senior Scientist

Carlo San Giovanni
Project Manager

Enclosures

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See Attached Distribution List

Part of a bigger picture

ARCADIS

Steven Scharf, P.E.
15 June 2005

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Table 1. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and OU2 Groundwater Remedial Wells, First Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	FW-03	MW-03R	10624	10627	10631	10634	GM-13D	GM-15S	GM-15I
	SAMPLE ID:	FW-03	MW-3R	N-10624	N-10627	N-10631	N-10634	GM-13D	GM-15S	GM-15I
	DATE:	4/12/2005	4/13/2005	4/16/2005	4/16/2005	4/16/2005	4/14/2005	3/25/2005	3/16/2005	3/16/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	54	<5	<5	<5
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	26	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	110	<5	<5	0.9J
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	<5	<5	<5	<5	<5	<5	0.8J	<5	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	33	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	3J	2J	<5	1J	<5	0.5J	160	2J	5J	<5
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	10	<5	<5	<5	<5	<5	640D	<5	<5	<5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	0.7J	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	<5	<5	<5	<5	<5	11	<5	<5	<5
Total VOCs	13	2.7	0	1	0	0.5	1034.8	2	5.9	

(1) Wells GM-39D_A and GM-39D_B are screened in the upper and basal portions of the Deep zone, respectively.

ug/L Micrograms per liter

J Estimated Value

D Constituent Identified at a Secondary Dilution

Bold Constituent detected

Table 1. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and OU2 Groundwater Remedial Wells, First Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	GM-15D	GM-15D2	GM-16SR	GM-16I	GM-17S	GM-17I	GM-17D	GM-18S	GM-18I
	SAMPLE ID:	GM-15D	GM-15D2	GM-16SR	GM-16I	GM-17SR	GM-17I	GM-17D	GM-18S	GM-18I
	DATE:	3/16/2005	3/16/2005	4/11/2005	4/11/2005	4/16/2005	3/25/2005	3/25/2005	4/15/2005	3/18/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	2J	0.8J	<5	4J	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	3J	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	10	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	<5	<5	<5	<5	<5	<5	<5	<5	1J	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	3J	11	<5	60	<5	<5	<5	<5	<5	<5
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	3J	15	<5	16	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	1J	<5	<5	<5	<5	0.6J	<5	<5	<5
Total VOCs	11	27.8	0	90	0	0	0.6	1	0	0

(1) Wells GM-39D_A and GM-39D_B are screened in the upper and basal portions of the Deep zone, respectively.
 ug/L Micrograms per liter
 J Estimated Value
 D Constituent Identified at a Secondary Dilution
 Bold Constituent detected

Table 1. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and OU2 Groundwater Remedial Wells, First Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	GM-18D	GM-20I	GM-20D	GM-21I	GM-21D	GM-21S	GM-32S	GM-33D2	GM-34D
	SAMPLE ID:	GM-18D	GM-20I	GM-20D	GM-21I	GM-21D	MW-21S	GM-32S	GM-33D2	GM-34D
	DATE:	3/18/2005	3/18/2005	3/18/2005	3/17/2005	3/17/2005	4/13/2005	4/18/2005	4/16/2005	4/14/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	5J
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	7
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	7	<5	<5	<5	0.6J	<5	4J	43	430D	<5
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	0.6J	<5	<5	<5	<5	<5	<5	5J	7	<5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	<5	<5	<5	<5	<5	<5	3J	24	<5
Total VOCs	7.6	0	0	0	0.6	0	4	51	473	<5

(1) Wells GM-39D_A and GM-39D_B are screened in the upper and basal portions of the Deep zone, respectively.
 ug/L Micrograms per liter
 J Estimated Value
 D Constituent Identified at a Secondary Dilution
Bold Constituent detected

Table 1. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and OU2 Groundwater Remedial Wells, First Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	GM-34D2	GM-35D2	GM-36D	GM-36D2	GM-37D	GM-37D2	GM-38D	GM-38D2	GM-39D _A ⁽¹⁾
	SAMPLE ID:	GM-34D2	GM-35D2	GM-36D	GM-36D2	GM-37D	GM-37D2	GM-38D	GM-38D2	GM-39D
	DATE:	4/14/2005	3/28/2005	3/30/2005	3/30/2005	3/30/2005	4/1/2005	3/31/2005	3/31/2005	3/23/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	4J	2J	<5	<5	0.9J	3J	5J	2J	<5	<5
1,1-Dichloroethane	<5	<5	<5	<5	2J	7	3J	<5	<5	<5
cis-1,2-Dichloroethene	6	4J	<5	<5	<5	<5	2J	6	<5	<5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	<5	<5	<5	<5	0.6J	0.4J	0.7J	0.7J	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	3J	3J	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	180	330D	9	<5	<5	1J	830D	1400D	9	<5
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	0.6J	2J	<5	<5
Benzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	6	8	0.7J	<5	0.8J	<5	0.6J	<5	<5	<5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Freon 113	8	9	<5	<5	<5	<5	0.9J	1J	<5	<5
Total VOCs	204	353	9.7	0	4.3	14.4	845.8	1411.7	9	

(1) Wells GM-39D_A and GM-39D_B are screened in the upper and basal portions of the Deep zone, respectively.
 ug/L Micrograms per liter
 J Estimated Value
 D Constituent Identified at a Secondary Dilution
Bold Constituent detected

Table 1. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and OU2 Groundwater Remedial Wells, First Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE: GM-39D _B ⁽¹⁾	GM-70D2	GM-71D2	GM-73D	GM-73D2	GM-74I	GM-74D	GM-74D2	GM-75D2
	SAMPLE ID: GM-39D2	GM-70D2	GM-71D2	GM-73D	GM-73D2	GM-74I	GM-74D	GM-74D2	GM-75D2
	DATE: 3/25/2005	4/18/2005	3/28/2005	3/22/2005	3/22/2005	3/22/2005	3/22/2005	3/22/2005	4/16/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	<5	2J	<5	0.8J	<5	<5	0.5J	4J
1,1-Dichloroethane	<5	<5	9	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	0.6J	<5	<5	<5	1J
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	<5	<5	1J	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	2J	<5	<5	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	28	82	5J	82	320D	<5	3J	8	330D
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	<5	7	<5	0.6J	1J	<5	<5	8	4J
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	2J	<5	<5	<5	<5	<5	<5	1J
Total VOCs	28	91	19	82.6	322.4	0	3	16.5	340

(1) Wells GM-39D_A and GM-39D_B are screened in the upper and basal portions of the Deep zone, respectively.

ug/L Micrograms per liter

J Estimated Value

D Constituent Identified at a Secondary Dilution

Bold Constituent detected

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Table 1. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and OU2 Groundwater Remedial Wells, First Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	GM-78S	GM-78I	GM-79I	GM-79D	HN-24I	HN-29I	HN-29D	HN-40S	HN-40I
	SAMPLE ID:	GM-78S	GM-78I	GM-79I	GM-79D	HN-24I	HN-29I	HN-29D	HN-40S	HN-40I
	DATE:	4/13/2005	4/13/2005	3/23/2005	3/23/2005	4/12/2005	4/12/2005	4/14/2005	3/14/2005	3/14/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	<5	<5	0.5J	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	0.7J	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	<5	0.5J	<5	<5	<5	<5	<5	<5
Chloroform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	0.9J	1J	<5	68	<5	<5	0.7J	<5	4J	<5
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	<5	<5	<5	2J	<5	<5	<5	<5	<5	2J
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	<5	<5	1J	<5	<5	<5	<5	<5	<5
Total VOCs	0.9	1	0	72.7	0	0	0.7	0	6	6

(1) Wells GM-39D_A and GM-39D_B are screened in the upper and basal portions of the Deep zone, respectively.
 ug/L Micrograms per liter
 J Estimated Value
 D Constituent Identified at a Secondary Dilution
Bold Constituent detected

Table 1. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and OU2 Groundwater Remedial Wells, First Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	HN-42S	HN-42I	GP-1	GP-3	ONCT-1	ONCT-2	ONCT-3
	SAMPLE ID:	HN-42S	HN-42I	WELL-1	WELL-3	ONCT WELL-1	ONCT WELL-2	ONCT WELL-3
	DATE:	3/14/2005	3/14/2005	5/6/2005	5/6/2005	5/5/2005	5/5/2005	5/5/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	200D	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	<5	5J	25	2J	3J	1J	1J
1,1-Dichloroethane	<5	<5	<5	4J	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	8	18	3J	1J	16	16
Chloroform	<5	<5	0.3J	0.5J	<5	<5	<5	1J
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	1J	6	0.6J	2J	0.6J	0.6J
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	<5	<5	440D	2400D	570D	130	86	86
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	1J	<5	<5	<5	<5
Benzene	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	<5	<5	120	60	13	8	8	8
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	1J	<5	<5
Chlorobenzene	<5	<5	<5	0.7J	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	<5	9	27	9	1J	0.7J	0.7J
Total VOCs	0	0	583.3	2742.2	597.6	146	113.3	113.3

(1) Wells GM-39D_A and GM-39D_B are screened in the upper and basal portions of the Deep zone, respectively.
 ug/L Micrograms per liter
 J Estimated Value
 D Constituent Identified at a Secondary Dilution
Bold Constituent detected

Table 2. Concentrations of Total and Dissolved Cadmium and Chromium Detected in Groundwater, First Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE: SAMPLE ID: DATE:	MW-01GF MW-1GF 4/13/2005	MW-02GF MW-2GF 4/13/2005	MW-03R MW-3R 4/13/2005	MW-04 PLT1 MW-04 4/11/2005	MW-05 PLT1 MW-05 4/11/2005	MW-06 PLT1 MW-06 4/11/2005	10631 N-10631 4/16/2005	GM-15S GM-15S 3/16/2005	GM-16SR GM-16SR 4/11/2005
Cadmium		<1.1	<1.1	26.8	--	--	--	4 B	--	<1.1
Cadmium (Dissolved)		<1.1	<1.1	25	--	--	--	3.2 B	--	<1.1
Chromium		1.9 B	31	46.9	<1.3	1220	298	28.2	366	<1.3
Chromium (Dissolved)		<1.3	27.9	46.9	--	--	--	20	--	<1.3

ug/L
 B Detected between the IDL and the CRDL
 IDL Instrument Detection Limit
 CRDL Contract-required detection limit
Bold Constituent detected above IDL
 -- Not analyzed

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Table 2. Concentrations of Total and Dissolved Cadmium and Chromium Detected in Groundwater, First Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:		GM-18S GM-18S 4/15/2005	GM-32S GM-32S 4/18/2005	GM-78S GM-78S 4/13/2005
	SAMPLE ID:	DATE:			
Cadmium			<1.1	<1.1	<1.1
Cadmium (Dissolved)			<1.1	<1.1	<1.1
Chromium			<1.3	54.8	<1.3
Chromium (Dissolved)			<1.3	50.3	<1.3

ug/L
 B Detected between the IDL and the CRDL
 IDL Instrument Detection Limit
 CRDL Contract-required detection limit
Bold Constituent detected above IDL
 -- Not analyzed