



1-30-003A-003

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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:
Third Quarter 2005 Groundwater Monitoring Data,
Operable Unit 2 Monitoring Network,
Northrop Grumman Corporation, Bethpage, New York.
(NYSDEC Site # 1-30-003A)

Date:
22 November 2005

Dear Mr. Scharf:

Contact:
David E. Stern

On behalf of Northrop Grumman Corporation (NGC), ARCADIS is providing the
NYSDEC with the validated results of groundwater monitoring performed in
accordance with the approved groundwater monitoring plan (ARCADIS Geraghty &
Miller, 2001) for the Third 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.

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Please contact us if you have any questions or comments.

Our ref:
NY001348.0405.00004

Sincerely,

ARCADIS G&M, Inc.

David E. Stern
Senior Scientist

Carlo San Giovanni
Project Manager

Enclosures

Copies:
See Attached Distribution List

Part of a bigger picture

ARCADIS

Steven Scharf, P.E.
22 November 2005

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John Cofman - Northrop Grumman Corporation
Larry Leskovjan - Northrop Grumman Corporation
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Trevor Wescott - New York State Department of Health
Frank Flood - Massapequa Water District
Matt Snyder - New York Water Service
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Table 1. Concentrations of Volatile Organic Compounds Detected in Monitoring Wells and OU2 Groundwater Remedial Wells, Third Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	MW-03R	10624	10627	10631	10634	FW-03
	SAMPLE ID:	MW-3R	N-10624	N-10627	N-10631	N-10634	FW-03
	DATE:	9/7/2005	9/9/2005	9/9/2005	9/8/2005	9/20/2005	9/20/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
Chloroform	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	2J	<5	1J	<5	<5	<5	3J
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5
Benzene	<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
Bromoform	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	<5	<5	<5	<5	<5	<5	10
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	<5	<5	<5	<5	<5	<5
Total VOCs	2	0	1	0	0	0	13

(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, Third Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

	SITE:	GM-13D	GM-15S	GM-15I	GM-15D	GM-15D2	GM-16SR
CONSTITUENT	SAMPLE ID:	GM-13D	GM-15S	GM-15I	GM-15D	GM-15D-2	GM-16SR
(Units in ug/L)	DATE:	8/31/2005	8/19/2005	8/30/2005	8/19/2005	8/19/2005	9/7/2005
Chloromethane		<5	<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5	<5
Vinyl chloride		<2	<2	<2	<2	<2	<2
Chloroethane		<5	<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5	<5
Acetone		<10	<10	<10	<10	<10	<10
Carbon disulfide		<5	<5	<5	<5	<5	<5
1,1-Dichloroethene		47	<5	<5	1J	1J	<5
1,1-Dichloroethane		20	<5	<5	2J	<5	<5
cis-1,2-Dichloroethene		<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene		96	<5	1J	<5	<5	<5
Chloroform		0.7J	<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane		22	<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5	<5
Bromodichloromethane		<5	<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5	<5
Trichloroethene		160	3J	5J	2J	11	5J
Dibromochloromethane		<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5	<5
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone		<10	<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10	<10
Tetrachloroethene		500D	<5	<5	2J	15	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5	<5
Xylene (total)		<5	<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5	<5
Freon 113		8	<5	<5	<5	1J	<5
Total VOCs		853.7	3	6	7	28	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, Third Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

	SITE:	GM-16I	GM-17SR	GM-17I	GM-17D	GM-18S	GM-18I
CONSTITUENT	SAMPLE ID:	GM-16I	GM-17SR	GM-17I	GM-17D	GM-18S	GM-18I
(Units in ug/L)	DATE:	8/31/2005	9/7/2005	9/1/2005	9/1/2005	9/8/2005	9/26/2005
Chloromethane		<5	<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5	<5
Vinyl chloride		<2	<2	<2	<2	<2	<2
Chloroethane		<5	<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5	<5
Acetone		<10	<10	<10	<10	<10	<10
Carbon disulfide		<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	4J	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene		<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	10	<5	<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	0.6J	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane		<5	<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5	<5
Bromodichloromethane		<5	<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5	<5
Trichloroethene	61	0.7J	2J	1J	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5	<5
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone		<10	<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10	<10
Tetrachloroethene	21	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5	<5
Xylene (total)		<5	<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	0.7J	<5	<5
Total VOCs		96	0.7	2	1.7	0.6	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, Third Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	GM-18D	GM-20I	GM-20D	GM-21S	GM-21I	GM-21D
	SAMPLE ID:	GM-18D	GM-20I	GM-20D	GM-21S	GM-21I	GM-21D
	DATE:	9/26/2005	8/30/2005	8/30/2005	8/29/2005	8/29/2005	8/29/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
Chloroform	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	9	<5	<5	<5	<5	<5	2J
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5
Benzene	<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
Bromoform	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	0.8J	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	<5	<5	<5	<5	<5	<5
Total VOCs	9.8	0	0	0	0	0	2

(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, Third Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

	SITE:	GM-32S	GM-33D2	GM-34D	GM-34D2	GM-35D2	GM-36D
CONSTITUENT	SAMPLE ID:	GM-32S	GM-33D2	GM-34D	GM-34D2	GM-35D2	GM-36D
(Units in ug/L)	DATE:	9/22/2005	9/8/2005	9/22/2005	9/22/2005	8/25/2005	8/22/2005
Chloromethane		<5	<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5	<5
Vinyl chloride		<2	<2	<2	<2	<2	<2
Chloroethane		<5	<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5	<5
Acetone		<10	<10	<10	<10	<10	<10
Carbon disulfide		<5	<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	5	5	2J	<5
1,1-Dichloroethane		<5	<5	1J	0.8J	<5	<5
cis-1,2-Dichloroethene		<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene		0.6J	0.6J	9	8	4J	<5
Chloroform		<5	<5	0.7J	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane		<5	<5	<5	0.8J	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5	<5
Bromodichloromethane		<5	<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropane		<5	<5	<5	<5	<5	<5
Trichloroethene		6	53	450D	350D	270D	7
Dibromochloromethane		<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5	<5
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone		<10	<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10	<10
Tetrachloroethene		<5	6	8	12	9J	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5	<5
Xylene (total)		<5	<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5	<5
Freon 113		<5	5J	23	11	8J	<5
Total VOCs		6.6	64.6	496.7	387.6	293	7

(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, Third Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	GM-36D2	GM-37D	GM-37D2	GM-38D	GM-38D2	GM-39D _A ⁽¹⁾
	SAMPLE ID:	GM-36D2	GM-37D	GM-37D2	GM-38D	GM-38D2	GM-39D
	DATE:	8/22/2005	8/24/2005	8/24/2005	8/23/2005	8/23/2005	8/25/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	0.6J	4J	7	3J	<5	<5
1,1-Dichloroethane	<5	<5	9	4J	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	<5	2J	8	<5	<5
Chloroform	<5	<5	0.3J	0.7J	0.9J	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	4J	4J	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	0.5J	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	<5	<5	2J	610D	1000D	9	<5
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	0.5J	2J	<5	<5
Benzene	<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
Bromoform	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	<5	0.5J	<5	0.9J	<5	<5	<5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	<5	<5	1J	3J	<5	<5
Total VOCs	0	1.1	19.3	630.6	1016.9	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, Third 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
	SAMPLE ID:	GM-39D2	GM-70D2	GM-71D2	GM-73D	GM-73D2	GM-74I
	DATE:	8/25/2005	8/23/2005	8/26/2005	8/18/2005	8/26/2005	8/18/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	<5	2J	<5	0.6J	<5	<5
1,1-Dichloroethane	<5	<5	8	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	0.9J	0.8J	<5	0.4J	<5	<5
Chloroform	<5	<5	1J	<5	<5	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	2J	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	0.6J	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	21	78	4J	38	150	<5	<5
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5
Benzene	<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
Bromoform	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	<5	8	<5	<5	0.9J	<5	<5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5
Freon 113	<5	2J	<5	<5	<5	<5	<5
Total VOCs	21	88.9	18.4	38	151.9	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, Third Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

	SITE:	GM-74D	GM-74D2	GM-75D2	GM-78S	GM-78I	GM-79I
CONSTITUENT	SAMPLE ID:	GM-74D	GM-74D-2	GM-75D2	GM-78S	GM-78I	GM-79I
(Units in ug/L)	DATE:	8/18/2005	8/18/2005	9/9/2005	9/7/2005	9/7/2005	9/1/2005
Chloromethane		<5	<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5	<5
Vinyl chloride		<2	<2	<2	<2	<2	<2
Chloroethane		<5	<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5	<5
Acetone		<10	<10	<10	<10	<10	<10
Carbon disulfide		<5	<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	0.9J	6	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene		<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene		<5	<5	2J	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane		<5	<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5	<5
Bromodichloromethane		<5	<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5	<5
Trichloroethene		3J	9	380D	<5	2J	0.5J
Dibromochloromethane		<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5	<5
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone		<10	<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10	<10
Tetrachloroethene		<5	8	5J	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5	<5
Xylene (total)		<5	<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5	<5
Freon 113		<5	<5	3J	<5	<5	<5
Total VOCs		3	17.9	396	0	2	0.5

(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, Third Quarter 2005, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT (Units in ug/L)	SITE:	GM-79D	HN-24I	HN-29I	HN-29D	HN-40S	HN-40I
	SAMPLE ID:	GM-79D	HN-24I	HN-29I	HN-29D	HN-40S	HN-40I
	DATE:	9/1/2005	9/20/2005	9/20/2005	9/20/2005	9/21/2005	9/21/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2
Chloroethane	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	<5	<5	<5	<5	<5	<5	<5
Acetone	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	<5	0.5J	<5	<5	<5	<5	<5
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5
Chloroform	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5
2-Butanone	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	54	22	1J	0.6J	<5	<5	4J
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5
Benzene	<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
Bromoform	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10
Tetrachloroethene	1J	1J	1J	<5	<5	<5	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5
Styrene	<5	<5	<5	<5	<5	<5	<5
Xylene (total)	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<5	<5	<5	<5	<5	<5	<5
Freon 113	1J	2J	<5	<5	<5	<5	<5
Total VOCs	56	25.5	2	0.6	0	0	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, Third 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	GP-1	GP-3	ONCT-1	ONCT-2	ONCT-3
	DATE:	9/21/2005	9/21/2005	8/31/2005	8/31/2005	8/31/2005	8/31/2005	8/31/2005
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	<2	<2	<2	270D	<2	<2	<2	<2
Chloroethane	<5	<5	<5	5J	<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	5	28	3J	4J	1J	<5
1,1-Dichloroethane	<5	<5	2J	5J	<5	<5	<5	<5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	<5	<5	9	20	4J	2J	19	<5
Chloroform	<5	<5	<5	<5	<5	<5	<5	0.9J
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	<5	6	<5	<5	<5	<5
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	<5	<5	1J	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	<5	0.4J	740D	3200D	530D	150	110	<5
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	<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
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	61	17	9	9	<5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	<5	<5	<5	0.5J	<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	26	10	2J	0.6J	<5
Total VOCs	0	0.4	886	3621.5	564	167	140.5	<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

ARCADIS

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

CONSTITUENT (Units in ug/L)	SITE: SAMPLE ID: DATE:	MW-01GF MW-1GF 9/22/2005	MW-02GF MW-2GF 9/22/2005	MW-03R MW-3R 9/7/2005	MW-04 PLT1 MW-04 8/19/2005	MW-05 PLT1 MW-05 8/19/2005	MW-06 PLT1 MW-06 8/19/2005	10631 N-10631 9/8/2005	GM-15S GM-15S 8/19/2005	GM-16SR GM-16SR 9/7/2005
Cadmium		<1.1	<1.1	26.6	--	--	--	1.9B	<1.1	<1.1
Cadmium (Dissolved)		<1.1	<1.1	25.5	--	--	--	1.5B	--	<1.1
Chromium		<1.3	29	42.3	1.5B	1310	248	20	428	3.5B
Chromium (Dissolved)		<1.3	25.6	42	--	--	--	16.9	--	1.4B

ug/L

Micrograms per liter

B Detected between the IDL and CRDL

IDL Instrument detection limit

CRDL Contract-required detection limit

Bold Constituent detected above IDL.

-- Not analyzed.

ARCADIS

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

CONSTITUENT (Units in ug/L)	SITE: SAMPLE ID: DATE:	GM-17S	GM-18S	GM-32S	GM-78S	GM-78I
		GM-17SR 9/7/2005	GM-18S 9/8/2005	GM-32S 9/22/2005	GM-78S 9/7/2005	GM-78I 9/7/2005
Cadmium		<1.1	<1.1	<1.1	<1.1	<1.1
Cadmium (Dissolved)		<1.1	<1.1	<1.1	--	--
Chromium		<1.3	13.8	50	<1.3	2.5B
Chromium (Dissolved)		<1.3	<1.3	46.2	--	--

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