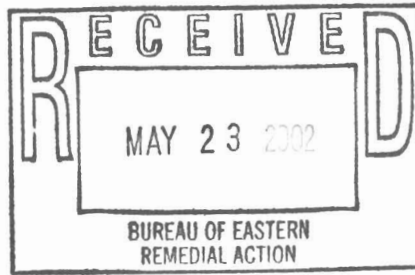




Infrastructure, buildings, environment, communications



1-30-003A-002

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

ARCADIS G&M, Inc.
88 Duryea Road
Melville
New York 11747
Tel 631 249 7600
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www.arcadis-us.com

Subject:
Fourth Quarter 2001 Groundwater Monitoring Data,
Northrop Grumman Corporation, Bethpage, New York.

ENVIRONMENTAL

Dear Mr. Scharf:

On behalf of Northrop Grumman Corporation, ARCADIS is providing the NYSDEC with groundwater data for the past two quarters (i.e., September/October of 2001 and December 2001/January 2002) of outpost monitoring near Bethpage Water District Plants 4, 5, and 6. Table 1 summarizes volatile organic compound (VOC) concentrations detected in groundwater samples. Figures 1 through 3 depict the historical concentrations of total VOCs in groundwater.

Date:
22 May 2002

Also provided are the results of the past two quarters (i.e., September/October of 2001 and December 2001/January 2002) of monitoring for total cadmium and chromium (Cd/Cr). Table 2 summarizes Cd/Cr concentrations detected in groundwater samples during this period.

Contact:
Carlo San Giovanni

Phone:
(631) 391-5259

Please contact us if you have any questions or comments.

Email:
csangiovanni@arcadis-us.com

Our ref:
NY001348.0006.00004

Sincerely,

ARCADIS G&M, Inc.

David E. Stern
Project Scientist

Carlo San Giovanni

Carlo San Giovanni
Project Manager

Copies:
J. Cofman - Northrop Grumman
J. Molloy - H2M
R. Krumholz - Bethpage Water District

Part of a bigger picture

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Table 1. Volatile Organic Compounds Detected in Outpost Monitoring Well Groundwater Samples, Third and Fourth Quarters of 2001, Northrop Grumman Corporation, Bethpage, New York.

	WELL:	GM-35D2	GM-35D2	GM-35D2	GM-35D2	GM-36D	GM-36D	GM-36D
	SAMPLE ID:	35D2	GM-35D2	35D2	WELL35D2	36D	GM-36D	GM36D
CONSTITUENT:	DATE:	09/24/01	09/24/01	01/15/02	01/15/02	09/19/01	09/19/01	12/18/01
(Units in ug/L)	LAB/SAMPLER:	STL/G&M	H2M/H2M	STL/G&M	H2M/H2M	STL/G&M	H2M/H2M	STL/G&M
Chloromethane		<20	<0.5	<20	<1	<10	<0.5	<10
Bromomethane		<20	<0.5	<20	<1	<10	<0.5	<10
Vinyl Chloride		<0.4	<0.5	<20	<1	<0.2	<0.5	<10
Chloroethane		<20	<0.5	<20	<1	<10	<0.5	<10 J
Methylene chloride		<20	<0.5	<20	<1	<10	<0.5	<10
Acetone		<20	<0.5	<20	NA	<10 J	<0.5	<10 J
Carbon disulfide		<20	<0.5	<20	NA	<10	<0.5	<10
1,1-Dichloroethene		2 J	2.8	2 J	3.6	<10	<0.5	<10
1,1-Dichloroethane		0.6 J	4	<20	<1	<10	<0.5	<10
1,2-Dichloroethene (total)		4 J	<0.5	NA	NA	0.3 J	<0.5	NA
Chloroform		0.6 J	1	<20	<1	<10	<0.5	<10
1,2-Dichloroethane		<20	<0.5	<20	<1	<10	<0.5	<10
2-Butanone		<20	<0.5	<20	NA	<10	<0.5	<10
1,1,1-Trichloroethane		<20	1	<20	<1	<10	<0.5	<10
Carbon tetrachloride		<20	0.9	<20	<1	<10	<0.5	<10
Bromodichloromethane		<20	<0.5	<20	<1	<10	<0.5	<10
1,2-Dichloropropane		<20	<0.5	<20	<1	<10	<0.5	<10
cis-1,3-Dichloropropene		<20	4.7	<20	<1	<10	<0.5	<10
Trichloroethene		350	304	320	427	16	14.9	30
Dibromochloromethane		<20	<0.5	<20	<1	<10	<0.5	<10
1,1,2-Trichloroethane		<20	<0.5	<20	<1	<10	<0.5	<10
Benzene		<20	<0.5	<20	<1	<10	<0.5	<10
trans-1,3-Dichloropropene		<20	<0.5	<20	<1	<10	<0.5	<10
Bromoform		<20	<0.5	<20	<1	<10	<0.5	<10
4-Methyl-2-pentanone		<20	<0.5	<20	NA	<10	<0.5	<10 J
2-Hexanone		<20	<0.5	<20	NA	<10	<0.5	<10 J
Tetrachloroethene		4 J	4	4 J	4	2 J	7	2 J
1,1,2,2-Tetrachloroethane		<20	<0.5	<20	<1	<10	<0.5	<10
Toluene		<20	<0.5	<20	<1	<10	<0.5	<10
Chlorobenzene		<20	<0.5	<20	<1	<10	<0.5	<10
Ethylbenzene		<20	<0.5	<20 J	<1	<10	<0.5	<10
Styrene		<20	<0.5	<20	<1	<10	<0.5	<10
Xylene (total)		<20	<0.5	<20	<1	1 J	<0.5	<10
Freon-113		9 J	<0.5	<20	NA	<10	<0.5	0.5 J
Total VOC's		370.2	322.4	331	439.4	19.3	21.9	32.5

See footnotes on last page.

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Table 1. Volatile Organic Compounds Detected in Outpost Monitoring Well Groundwater Samples, Third and Fourth Quarters of 2001, Northrop Grumman Corporation, Bethpage, New York.

	WELL:	GM-36D	GM-36D2	GM-36D2	GM-36D2	GM-36D2	GM-37D	GM-37D
	SAMPLE ID:	GM-36D	36D2	36D2	GM36D2	GM-36D2	37D	37D
CONSTITUENT:	DATE:	12/18/01	09/19/01	09/19/01	12/18/01	12/18/01	09/26/01	09/26/01
(Units in ug/L)	LAB/SAMPLER:	H2M/H2M	STL/G&M	H2M/H2M	STL/G&M	H2M/H2M	STL/G&M	H2M/H2M
Chloromethane		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Bromomethane		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Vinyl Chloride		<0.5	<10	<0.5	<10	<0.5	<0.2	<0.5
Chloroethane		<0.5	<10	<0.5	<10 J	<0.5	<10	<0.5
Methylene chloride		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Acetone		NA	<10 J	<0.5	<10 J	NA	<10 J	<0.5
Carbon disulfide		NA	<10	<0.5	<10	NA	<10	<0.5
1,1-Dichloroethene		<0.5	<10	<0.5	<10	<0.5	3 J	2.4
1,1-Dichloroethane		<0.5	<10	<0.5	<10	<0.5	6 J	5.8
1,2-Dichloroethene (total)		NA	<10	<0.5	NA	NA	<10	<0.5
Chloroform		<0.5	<10	<0.5	<10	<0.5	1 J	1
1,2-Dichloroethane		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
2-Butanone		NA	<10	<0.5	<10	NA	<10 J	<0.5
1,1,1-Trichloroethane		<0.5	<10	<0.5	<10	<0.5	3 J	3.8
Carbon tetrachloride		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Bromodichloromethane		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
1,2-Dichloropropane		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
cis-1,3-Dichloropropene		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Trichloroethene		28.5	<10	<0.5	<10	<0.5	0.5 J	<0.5
Dibromochloromethane		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
1,1,2-Trichloroethane		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Benzene		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
trans-1,3-Dichloropropene		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Bromoform		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
4-Methyl-2-pentanone		NA	<10	<0.5	<10 J	NA	<10 J	<0.5
2-Hexanone		NA	<10	<0.5	<10 J	NA	<10 J	<0.5
Tetrachloroethene		1.5	0.3 J	<0.5	<10	<0.5	1 J	1
1,1,2,2-Tetrachloroethane		<0.5	<10	<0.5	<10	<0.5	<10 J	<0.5
Toluene		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Chlorobenzene		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Ethylbenzene		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Styrene		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Xylene (total)		<0.5	<10	<0.5	<10	<0.5	<10	<0.5
Freon-113		NA	<10	<0.5	<10	NA	<10	<0.5
Total VOC's		30	0.3	0	0	0	14.5	14

See footnotes on last page.

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Table 1. Volatile Organic Compounds Detected in Outpost Monitoring Well Groundwater Samples, Third and Fourth Quarters of 2001, Northrop Grumman Corporation, Bethpage, New York.

	WELL:	GM-37D	GM-37D	GM-37D2	GM-37D2	GM-37D2	GM-37D2	GM-38D
	SAMPLE ID:	37D	WELL37D	37D	37D	37D2	WELL37D2	38D
CONSTITUENT:	DATE:	01/14/02	01/14/02	09/26/01	09/26/01	01/14/02	01/14/02	09/18/01
(Units in ug/L)	LAB/SAMPLER:	STL/G&M	H2M/H2M	STL/G&M	H2M/H2M	STL/G&M	H2M/H2M	STL/G&M
Chloromethane		<10	<0.5	<10	<0.5	<10	<0.5	<50
Bromomethane		<10	<0.5	<10	<0.5	<10	<0.5	<50
Vinyl Chloride		<10	<0.5	<0.2	<0.5	<10	<0.5	<1
Chloroethane		<10	<0.5	<10	<0.5	<10	<0.5	<50
Methylene chloride		<10	<0.5	<10	<0.5	<10	<0.5	<50
Acetone		<10	NA	<10 J	<0.5	<10	NA	<50 J
Carbon disulfide		<10	NA	<10	<0.5	<10	NA	<50
1,1-Dichloroethene		3 J	2.5	2 J	1.9	<10	2.1	6 J
1,1-Dichloroethane		6 J	5.8	9 J	9	10 J	10.4	2 J
1,2-Dichloroethene (total)		NA	NA	<10	<0.5	NA	NA	<50
Chloroform		<10	0.8	0.8 J	0.7	<10	0.6	<50
1,2-Dichloroethane		<10	<0.5	<10	<0.5	<10	<0.5	<50
2-Butanone		<10	NA	<10 J	<0.5	<10	NA	<50
1,1,1-Trichloroethane		3 J	3.6	3 J	3.1	3 J	3.3	<50
Carbon tetrachloride		<10	<0.5	<10	<0.5	<10	<0.5	<50
Bromodichloromethane		<10	<0.5	<10	<0.5	<10	<0.5	<50
1,2-Dichloropropane		<10	<0.5	<10	<0.5	<10	<0.5	<50
cis-1,3-Dichloropropene		<10	<0.5	<10	<0.5	<10	<0.5	<50
Trichloroethene		0.5 J	<0.5	2 J	1.8	3 J	2.8	810
Dibromochloromethane		<10	<0.5	<10	<0.5	<10	<0.5	<50
1,1,2-Trichloroethane		<10	<0.5	<10	<0.5	<10	<0.5	<50
Benzene		<10	<0.5	<10	<0.5	<10	<0.5	<50
trans-1,3-Dichloropropene		<10	<0.5	<10	<0.5	<10	<0.5	<50
Bromoform		<10	<0.5	<10	<0.5	<10	<0.5	<50
4-Methyl-2-pentanone		<10	NA	<10 J	<0.5	<10	NA	<50
2-Hexanone		<10	NA	<10 J	<0.5	<10	NA	<50
Tetrachloroethene		<10	0.7	0.3 J	<0.5	<10	<0.5	2 J
1,1,2,2-Tetrachloroethane		<10	<0.5	<10 J	<0.5	<10	<0.5	<50
Toluene		<10	<0.5	<10	<0.5	<10	<0.5	<50
Chlorobenzene		<10	<0.5	<10	<0.5	<10	<0.5	7 J
Ethylbenzene		<10 J	<0.5	<10	<0.5	<10 J	<0.5	<50
Styrene		<10	<0.5	<10	<0.5	<10	<0.5	<50
Xylene (total)		<10	<0.5	<10	<0.5	<10	<0.5	<50
Freon-113		<10	NA	<10	<0.5	<10	NA	<50
Total VOC's		12.5	13.4	17.1	16.5	16	19.2	827

See footnotes on last page.

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Table 1. Volatile Organic Compounds Detected in Outpost Monitoring Well Groundwater Samples, Third and Fourth Quarters of 2001, Northrop Grumman Corporation, Bethpage, New York.

	WELL:	GM-38D	GM-38D	GM-38D	GM-38D	GM-38D2	GM-38D2	GM-38D2
	SAMPLE ID:	38D	GM38D	REP-1	GM-38D	38D2	38D2	GM38D2
CONSTITUENT:	DATE:	09/18/01	12/14/01	12/14/01	12/14/01	09/18/01	09/18/01	12/14/01
(Units in ug/L)	LAB/SAMPLER:	H2M/H2M	STL/G&M	STL/G&M	H2M/H2M	STL/G&M	H2M/H2M	STL/G&M
Chloromethane		<0.5	<100	<100	<1	<100	<0.5	<100
Bromomethane		<0.5	<100	<100	<1	<100	<0.5	<100
Vinyl Chloride		<0.5	<100	<100	<1	<2	<0.5	<100
Chloroethane		<0.5	<100 J	<100 J	<1	<100	<0.5	<100 J
Methylene chloride		<0.5	<100	<100	<1	<100	<0.5	<100
Acetone		<0.5	<100	<100	NA	<100 J	<0.5	<100
Carbon disulfide		<0.5	<100	<100	NA	<100	<0.5	<100
1,1-Dichloroethene		6.6	6 J	6 J	2.4	<100	1.4	<100
1,1-Dichloroethane		2.9	<100	<100	1.5	<100	<0.5	<100
1,2-Dichloroethene (total)		1.7	NA	NA	NA	9 J	11.6	NA
Chloroform		0.8	<100	<100	<1	1 J	2.1	1 J
1,2-Dichloroethane		0.7	<100	<100	<1	<100	<0.5	<100
2-Butanone		<0.5	<100	<100	NA	<100	<0.5	<100
1,1,1-Trichloroethane		5.2	<100	<100	3.5	<100	1.2	<100
Carbon tetrachloride		0.6	<100	<100	<1	<100	<0.5	<100
Bromodichloromethane		<0.5	<100	<100	<1	<100	<0.5	<100
1,2-Dichloropropane		<0.5	<100	<100	<1	<100	<0.5	<100
cis-1,3-Dichloropropene		<0.5	<100	<100	<1	<100	<0.5	<100
Trichloroethene		670	870	840	574	1500	1210	1600
Dibromochloromethane		<0.5	<100	<100	<1	<100	<0.5	<100
1,1,2-Trichloroethane		0.5	<100	<100	<1	<100	2.2	<100
Benzene		<0.5	<100	<100	<1	<100	<0.5	<100
trans-1,3-Dichloropropene		<0.5	<100	<100	<1	<100	<0.5	<100
Bromoform		<0.5	<100	<100	<1	<100	<0.5	<100
4-Methyl-2-pentanone		<0.5	<100	<100	NA	<100	<0.5	<100
2-Hexanone		<0.5	<100	<100	NA	<100	<0.5	<100
Tetrachloroethene		1.2	<100	<100	<1	2 J	<0.5	<100
1,1,2,2-Tetrachloroethane		<0.5	<100	<100	<1	<100	<0.5	<100
Toluene		<0.5	<100	<100	<1	<100	<0.5	<100
Chlorobenzene		<0.5	<100	<100	<1	3 J	<0.5	<100
Ethylbenzene		<0.5	<100	<100	<1	<100	<0.5	<100
Styrene		<0.5	<100	<100	<1	<100	<0.5	<100
Xylene (total)		<0.5	<100	<100	<1	<100	<0.5	<100
Freon-113		<0.5	<100	<100	NA	<100	<0.5	<100
Total VOC's		690.2	876	846	581.4	1515	1228.5	1609

See footnotes on last page.

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Table 1. Volatile Organic Compounds Detected in Outpost Monitoring Well Groundwater Samples, Third and Fourth Quarters of 2001, Northrop Grumman Corporation, Bethpage, New York.

	WELL:	GM-38D2	GM-70D2	GM-70D2	GM-70D2	GM-70D2	GM-71D2	GM-71D2
	SAMPLE ID:	GM-38D2	70D2	70D2	GM70D2	GM-70D2	71D2	71D2
CONSTITUENT:	DATE:	12/14/01	09/24/01	09/24/01	12/17/01	12/17/01	09/20/01	09/20/01
(Units in ug/L)	LAB/SAMPLER:	H2M/H2M	STL/G&M	H2M/H2M	STL/G&M	H2M/H2M	STL/G&M	H2M/H2M
Chloromethane		<1	<10	<0.5	<10	<0.5	<10	<0.5
Bromomethane		<1	<10	<0.5	<10	<0.5	<10	<0.5
Vinyl Chloride		<1	<0.2	<0.5	<10	<0.5	<0.2	<0.5
Chloroethane		<1	<10	<0.5	<10 J	<0.5	<10	<0.5
Methylene chloride		<1	<10	<0.5	<10	<0.5	<10	<0.5
Acetone		NA	<10	<0.5	<10	NA	<10	<0.5
Carbon disulfide		NA	<10	<0.5	<10	NA	<10	<0.5
1,1-Dichloroethene		<1	<10	<0.5	0.5 J	<0.5	<10	<0.5
1,1-Dichloroethane		<1	<10	<0.5	<10	<0.5	0.7 J	<0.5
1,2-Dichloroethene (total)		NA	1 J	0.6	NA	NA	<10	<0.5
Chloroform		1.5	<10	<0.5	<10	<0.5	0.9 J	0.8
1,2-Dichloroethane		<1	<10	<0.5	<10	<0.5	<10	<0.5
2-Butanone		NA	<10	<0.5	<10	NA	<10	<0.5
1,1,1-Trichloroethane		<1	<10	<0.5	<10	<0.5	<10	<0.5
Carbon tetrachloride		<1	<10	<0.5	<10	<0.5	1 J	2
Bromodichloromethane		<1	<10	<0.5	<10	<0.5	<10	<0.5
1,2-Dichloropropane		<1	<10	<0.5	<10	<0.5	<10	<0.5
cis-1,3-Dichloropropene		5.6	<10	<0.5	<10	<0.5	<10	<0.5
Trichloroethene		1000	56	42.3	100	80.4	4 J	3.6
Dibromochloromethane		<1	<10	<0.5	<10	<0.5	<10	<0.5
1,1,2-Trichloroethane		1.6	<10	<0.5	<10	<0.5	<10	<0.5
Benzene		<1	<10	<0.5	<10	<0.5	<10	<0.5
trans-1,3-Dichloropropene		<1	<10	<0.5	<10	<0.5	<10	<0.5
Bromoform		<1	<10	<0.5	<10	<0.5	<10	<0.5
4-Methyl-2-pentanone		NA	<10	<0.5	<10	NA	<10	<0.5
2-Hexanone		NA	<10	<0.5	<10	NA	<10	<0.5
Tetrachloroethene		<1	2	1.6	6 J	4.4	<10	<0.5
1,1,2,2-Tetrachloroethane		<1	<10	<0.5	<10	<0.5	<10	<0.5
Toluene		<1	<10	<0.5	<10	<0.5	<10	<0.5
Chlorobenzene		<1	<10	<0.5	<10	<0.5	<10	<0.5
Ethylbenzene		<1	<10	<0.5	<10	<0.5	<10	<0.5
Styrene		<1	<10	<0.5	<10	<0.5	<10	<0.5
Xylene (total)		<1	<10	<0.5	<10	<0.5	<10	<0.5
Freon-113		NA	<10	<0.5	2 J	NA	<10	<0.5
Total VOC's		1008.7	59	44.5	109.5	86.2	6.6	6.4

See footnotes on last page.

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Table 1. Volatile Organic Compounds Detected in Outpost Monitoring Well Groundwater Samples, Third and Fourth Quarters of 2001, Northrop Grumman Corporation, Bethpage, New York.

	WELL: GM-71D2	GM-71D2
	SAMPLE ID: GM71D2	GM-71D2
CONSTITUENT:	DATE: 12/17/01	12/17/01
(Units in ug/L)	LAB/SAMPLER: STL/G&M	H2M/H2M
Chloromethane	<10	<0.5
Bromomethane	<10	<0.5
Vinyl Chloride	<10	<0.5
Chloroethane	<10 J	<0.5
Methylene chloride	<10	<0.5
Acetone	<10	NA
Carbon disulfide	<10	NA
1,1-Dichloroethene	<10	<0.5
1,1-Dichloroethane	<10	0.6
1,2-Dichloroethene (total)	NA	NA
Chloroform	1 J	1.1
1,2-Dichloroethane	<10	1.1
2-Butanone	<10	NA
1,1,1-Trichloroethane	0.5 J	<0.5
Carbon tetrachloride	2 J	2.3
Bromodichloromethane	<10	<0.5
1,2-Dichloropropane	<10	<0.5
cis-1,3-Dichloropropene	<10	<0.5
Trichloroethene	<10	4.5
Dibromochloromethane	<10	<0.5
1,1,2-Trichloroethane	<10	<0.5
Benzene	<10	<0.5
trans-1,3-Dichloropropene	<10	<0.5
Bromoform	<10	<0.5
4-Methyl-2-pentanone	<10	NA
2-Hexanone	<10	NA
Tetrachloroethene	<10	<0.5
1,1,2,2-Tetrachloroethane	<10	<0.5
Toluene	<10	<0.5
Chlorobenzene	<10	<0.5
Ethylbenzene	<10	<0.5
Styrene	<10	<0.5
Xylene (total)	<10	<0.5
Freon-113	<10	NA
Total VOC's	3.5	9.6

See footnotes on last page.

ARCADIS

Table 1. Volatile Organic Compounds Detected in Outpost Monitoring Well Groundwater Samples, Third and Fourth Quarters of 2001, Northrop Grumman Corporation, Bethpage, New York.

H2M	Holzmacher, McClendon & Murrell, P.C., Melville, NY.
G&M	ARCADIS G&M, Inc.
STL	Severn Trent Laboratories, Inc., Shelton, Connecticut.
ug/L	Micrograms per liter.
J	Estimated value.
NA	Not analyzed.
REP	Replicate sample.
Bold	Constituent detected above Method Detection Limit.

Table 2. Total Cadmium and Chromium Detected in Groundwater Samples, Third and Fourth Quarters 2001, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT: (Units in ug/L)	NYSDEC SCGs (1)	WELL: SAMPLE ID: DATE:	10631 N-10631 1/2/02	GM-16SR GM-16SR 10/03/01	GM-78S GM-78S 09/27/01	GM-78S GM78S 1/15/02	GM-78I GM-78I 09/27/01	GM-78I GM78I 1/15/02
Cadmium	5		4.4	<0.80	1.3	<1.2	<0.80	<1.2
Chromium	50		46.4	<1.6	7.4	9.1 B	<3.4	4.5 B

(1) Standards, Criteria, and Guidance Values.

ug/L Micrograms per liter.

B Detected between the IDL and CRDL.

IDL Instrument detection limit.

CRDL Contract-required detection limit.

NYSDEC New York State Department of Environmental Conservation.

EQ Equipment.

Value exceeds associated SCG value.

Constituent detected above CRDL

Standards, Criteria, and Guidance values based on documents referenced in the

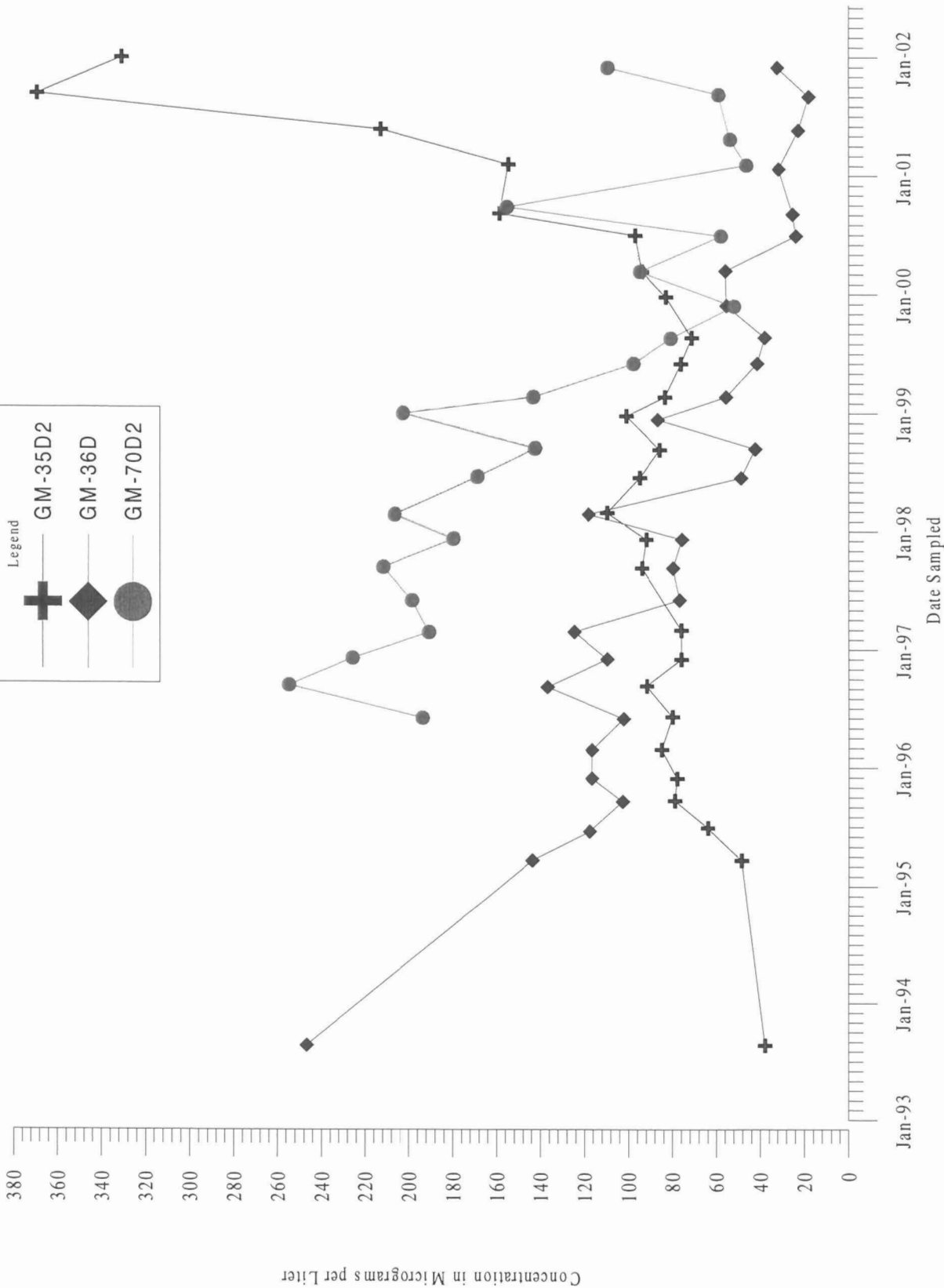
Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller 2000); most stringent value listed.

Table 2. Total Cadmium and Chromium Detected in Groundwater Samples, Third and Fourth Quarters 2001, Northrop Grumman Corporation, Bethpage, New York.

CONSTITUENT: (Units in ug/L)	NYSDEC SCGs ⁽¹⁾	SITE: MW-03R MW-3R	DATE: 09/27/01 1/2/02	MW-03R MW-3R	1/2/02	WATER EQ.BLANK FB010202 1/2/02	WATER EQ.BLANK FB011502 1/15/02
Cadmium	5						<1.2
Chromium	50						<1.5

25.0	23.7
53.4	53.2

(1) Standards, Criteria, and Guidance Values.
 ug/L Micrograms per liter.
 B Detected between the IDL and CRDL.
 IDL Instrument detection limit.
 CRDL Contract-required detection limit.
 NYSDEC New York State Department of Environmental Conservation.
 EQ Equipment.
 Value exceeds associated SCG value.
 Constituent detected above CRDL
Bold Standards, Criteria, and Guidance values based on documents referenced in the Groundwater Feasibility Study Report (ARCADIS Geraghty & Miller 2000); most stringent value listed.



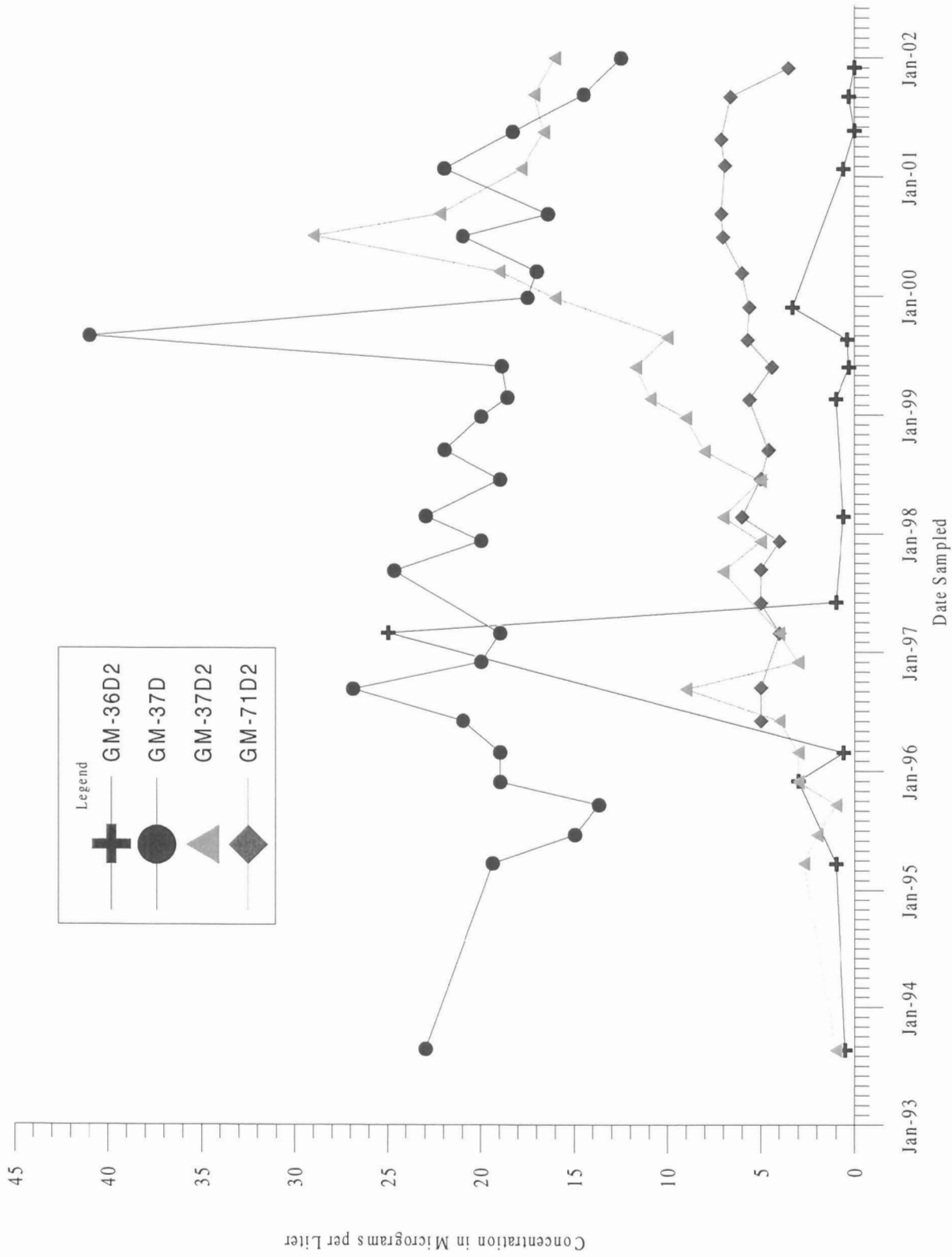
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FIGURE 1

Total Volatile Organic Compound Concentrations in Selected Deep and D2 Monitoring Wells Operable Unit 2 Groundwater Monitoring Program Northrop Grumman Corporation, Bethpage, New York



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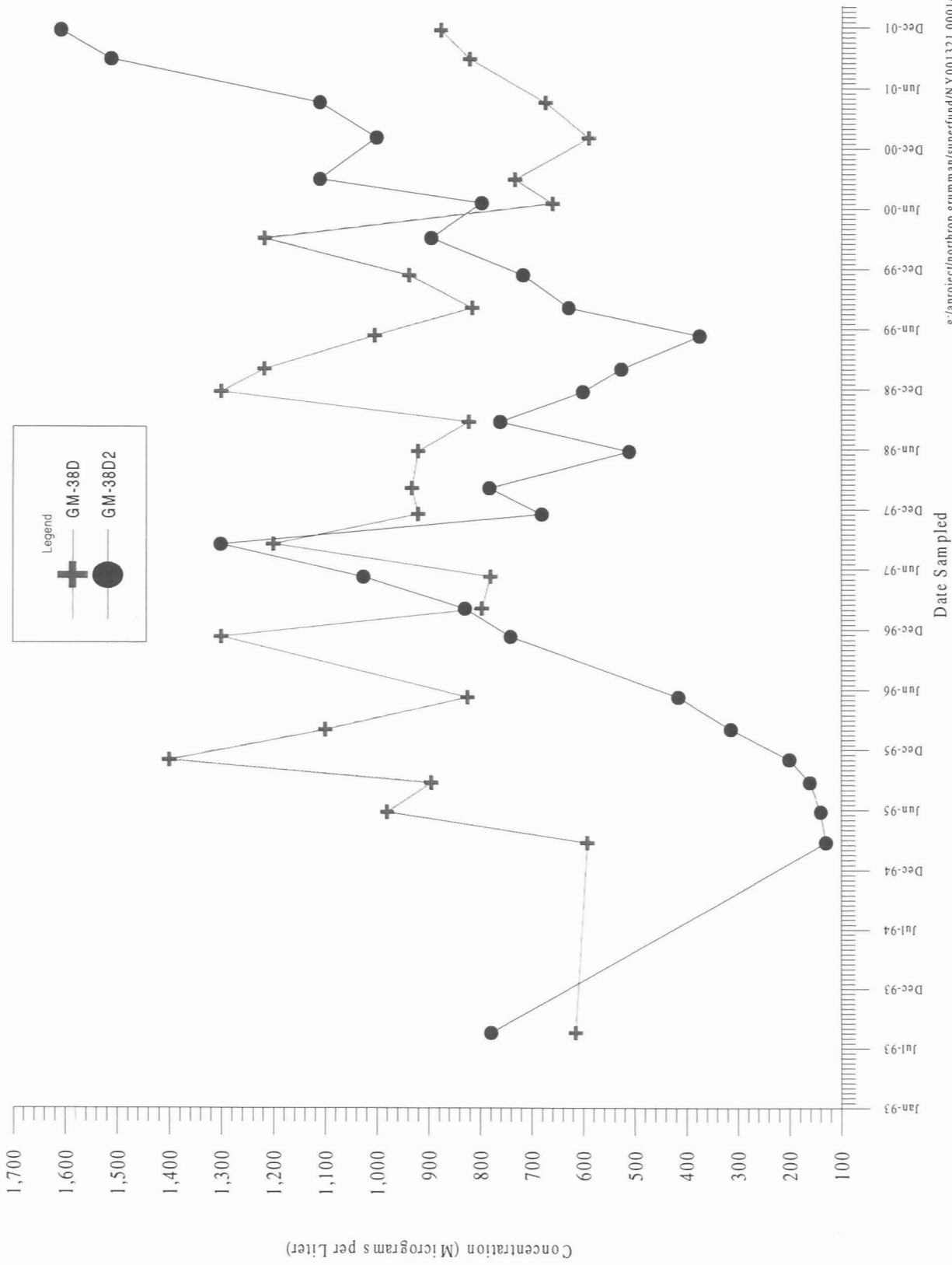
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Total Volatile Organic Compound Concentrations in Selected Deep and D2 Monitoring Wells
Operable Unit 2 Groundwater Monitoring Program
Northrop Grumman Corporation, Bethpage, New York

FIGURE 2



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FIGURE 3

Total Volatile Organic Compound Concentrations in Selected Deep and D2 Monitoring Wells
 Operable Unit 2 Groundwater Monitoring Program
 Northrop Grumman Corporation, Bethpage, New York



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