ARCADIS Design & Consultancy for natural and built assets

Mr. Jason Pelton
Project Manager
New York State Department of Environmental Conservation
Remedial Bureau D
625 Broadway
Albany, NY 12233-7015

Arcadis of New York, Inc.
Two Huntington Quadrangle
Suite 1S10
Melville
New York 11747
Tel 631 249 7600
Fax 631 249 7610
www.arcadis.com

Subject:
Addendum to the LNAPL Investigation and Supplemental VOC Delineation Report, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

ENVIRONMENT

Date:
June 28, 2019

Contact:
David Stern

Phone:
631-391-5284

Email:
David.Stern@arcadis.com

Our ref:
NYNGOC19.3702

Dear Mr. Pelton:

Arcadis of New York, Inc. (Arcadis) has prepared this Addendum to the LNAPL Investigation and Supplemental VOC Delineation Report, dated May 2, 2019 (LNAPL Report), on behalf of Northrop Grumman Systems Corporation (Northrop Grumman), providing the results of supplemental soil sampling performed in and adjacent to the ball field area at the Bethpage Community Park, Bethpage, New York (Park). The field and laboratory analytical programs were implemented by Arcadis under the direction of Northrop Grumman.

Soil samples were collected between March 2019 and May 2019 from locations in the Park to support the remedial design for the VOC source area by delineating total VOCs relative to the 10 milligram per kilogram (mg/kg) cleanup goal. Most samples were collected to follow up on recommendations made in the LNAPL Report. Such samples were collected in conjunction with the drilling of heater wells during Phase 1 of the VOC remedy per the NYSDEC-approved Preliminary Design plan for In-Situ Remediation Wells dated April 2, 2018 (prepared by others). Additional sampling was conducted in a limited area around the north/northeast boundary of the ball field per the NYSDEC-approved Supplemental Phase IV Work Plan for Delineation of VOCs in Soil, dated May 1, 2019.

Figures 1 and 2 depict the Site location and Park features, respectively. **Figure 3** depicts the locations of soil borings. **Table 1** summarizes the soil samples collected; **Table 2** provides the validated analytical results.

Also provided with this report are the following attachments**:**

- **Attachment 1:** Sample/Core Logs;
- **Attachment 2:** Category B laboratory reports;
- **Attachment 3:** Data usability summary reports

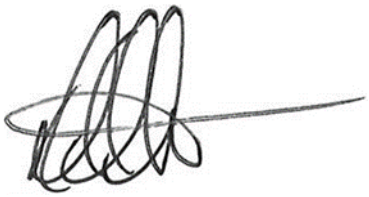
Sampling and laboratory analytical methodology conformed with the NYSDEC-approved Pre-Design Sampling Work Plan for VOC Source Area, dated May 14, 2014. Aquifer Drilling & Testing, Inc. (ADT), a Cascade Company, drilled the soil borings using mini Sonic rigs concurrent with the installation of heater wells in the ballfield. Soil boring locations were selected to coincide with potential heater well locations, and sampling depths were selected based known VOC concentrations in adjacent borings. Arcadis performed drilling oversight, soil lithologic logging, soil sampling, and submittal of the samples to the laboratory for analysis.

A total of 30 soil borings were drilled and 187 soil samples (excluding quality assurance/quality control [QA/QC] samples) were collected from within the ballfield area and around the eastern and northeastern perimeter (**Table 1**). Soil boring locations were located in the field using a handheld Global Positioning System (GPS) unit. Soil cores were continuously logged and screened with a photoionization detector (PID). Soil samples were collected and submitted to Pace Analytical of Melville, New York for analysis of Target Compound List (TCL) VOCs using USEPA Method 8260C. Data validation conformed to the Northrop Grumman Quality Assurance Project Plan (QAPP). **Table 2** provides validated soil sample analytical results, which will be incorporated into the design of the thermal remedy for the VOC source area (prepared by others).

Please do not hesitate to contact us if you have any questions.

Sincerely,

Arcadis of New York, Inc.



David E. Stern
Project Manager

Copies:
Donald Hesler, NYSDEC
Steve Karpinski, NYSDOH
Ed Hannon, Northrop Grumman

Enclosures:

Tables

1 Summary of Soil Borings
2 Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs

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1 Site Location

2 Park Features
3 Historical and 2019 Soil Boring Locations

Attachments

1 Sample/Core Logs
2 Laboratory Data Reports
3 Data Usability Summary Reports

TABLES

Table 1
Summary of Soil Borings
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

BORING ID	COORDINATES [1]		TOTAL DEPTH (ft bls)	SOIL SAMPLING INTERVAL [2] (ft bls)
	EASTING	NORTHING		
Supplemental ISTR Pre-design Characterization				
G-6-19	1126115.8120	214851.8708	56	46-48, 48-50, 50-52, 52-54, 54-56
G-7-19	1126115.1030	214839.7987	56	46-48, 48-50, 50-52, 52-54, 54-56
nG-6-19	1126126.6590	214841.9213	56	48-50, 50-52, 52-54, 54-56
nG-7-19	1126122.1800	214831.0433	56	46-48, 48-50, 50-52, 52-54, 54-56
I-6-19	1126160.6070	214849.8220	56	50-52, 52-54, 54-56
nF-7-19	1126102.7300	214836.6601	58	46-48, 48-50, 50-52, 52-54, 54-56, 56-58
nG-7-S-19	1126112.9940	214826.8987	58	46-48, 48-50, 50-52, 52-54, 54-56, 56-58
nG-8-NE-19	1126123.5800	214818.3784	58	46-48, 48-50, 50-52, 52-54, 54-56, 56-58
nG-5-19	1126105.0000	214860.4000	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nF-7-SW-19	1126090.6090	214829.3324	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nH-8-19	1126133.9730	214811.5411	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nG-8-19	1126111.5890	214813.9748	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nF-5-19	1126106.7190	214873.3490	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nF-6-19	1126093.4190	214855.1801	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nG-8-SE-19	1126122.0780	214806.2961	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nG-9-19	1126110.1830	214801.0510	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nH-9-19	1126132.5680	214798.6173	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nI-8-19	1126156.3580	214809.1074	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nG-10-19	1126119.2680	214780.4484	54	42-44, 46-48, 48-50, 50-52, 52-54
nI-10-19	1126141.6530	214778.0147	54	42-44, 46-48, 50-52, 52-54
nI-9-19	1126153.5480	214783.2598	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nF-10-19	1126096.8830	214782.8821	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nF-9-19	1126087.7990	214803.4847	54	42-44, 44-46, 46-48, 48-50, 50-52, 52-54
nS-6-19	1126343.8340	214831.2687	52	34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nR-6-19	1126329.9100	214832.4088	52	34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52

Notes and Abbreviations on next page

Table 1
Summary of Soil Borings
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

BORING ID	COORDINATES [1]		TOTAL DEPTH (ft bls)	SOIL SAMPLING INTERVAL [2] (ft bls)
	EASTING	NORTHING		
Supplemental Delineation of VOCs				
nQ-6-19	1126311.0000	214834.0380	52	36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
R-6-19	1126339.0000	214832.6590	52	36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nS-7-19	1126353.1400	214807.8200	52	36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nT-11-19	1126367.2400	214731.3800	54	40-42, 42-44, 44-46, 46-48, 48-50, 50-52, 52-54
T-12-19	1126363.7800	214703.1000	54	40-42, 42-44, 44-46, 46-48, 48-50, 50-52, 52-54

Notes and Abbreviations:

1. Coordinates are obtained using handheld GPS units referencing to New York State Plane Coordinate System, Long Island Zone, North American Datum of 1983 (NAD 83). Boring locations will be surveyed by licensed surveyor in the future.

2. Continuous soil cores were collected from 5 ft bls to the bottom of the boring.

ft bls feet below land surface

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	G-6-19 / G-6-19 (46-48) / 3/11/2019 / 46-48	G-6-19 / G-6-19 (48-50) / 3/11/2019 / 48-50	G-6-19 / G-6-19 (50-52) / 3/11/2019 / 50-52	G-6-19 / G-6-19 (52-54) / 3/11/2019 / 52-54	G-6-19 / G-6-19 (54-56) / 3/11/2019 / 54-56	G-6-19 / REP031119MM1 / 3/11/2019 / 48-50
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,1,2,2-Tetrachloroethane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,1,2-Trichloroethane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,1-Dichloroethane		**0.0647 J**	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,1-Dichloroethene		**0.0578 J**	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,2,4-Trichlorobenzene		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
1,2-Dibromo-3-chloropropane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,2-Dibromoethane		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
1,2-Dichlorobenzene		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,2-Dichloroethane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,2-Dichloropropane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
1,3-Dichlorobenzene		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
1,4-Dichlorobenzene		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
2-Butanone (MEK)		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
4-Methyl-2-Pentanone		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Acetone		< 0.12	< 0.0976	**0.0232 J**	< 0.0014	< 0.0011	< 0.0966
Benzene		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Bromodichloromethane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Bromoform		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
Bromomethane		< 0.12 J	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Carbon Disulfide		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Carbon Tetrachloride		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
CFC-11		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
CFC-12		< 0.12	< 0.0976	< 0.0016	< 0.0014 J	< 0.0011 J	< 0.0966

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	G-6-19 / G-6-19 (46-48) / 3/11/2019 / 46-48	G-6-19 / G-6-19 (48-50) / 3/11/2019 / 48-50	G-6-19 / G-6-19 (50-52) / 3/11/2019 / 50-52	G-6-19 / G-6-19 (52-54) / 3/11/2019 / 52-54	G-6-19 / G-6-19 (54-56) / 3/11/2019 / 54-56	G-6-19 / REP031119MM1 / 3/11/2019 / 48-50
VOCs (mg/kg)							
Chlorobenzene		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
Chlorodibromomethane		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
Chloroethane		< 0.12 J	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Chloroform		**0.259**	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Chloromethane		< 0.12 J	< 0.0976 J	< 0.0016	< 0.0014	< 0.0011	< 0.0966 J
cis-1,2-Dichloroethene		**10.4**	< 0.0976	**0.0079 J**	**0.0249**	**0.0059**	**0.0495 J**
cis-1,3-Dichloropropene		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Cyclohexane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Dichloromethane		**1.46**	**0.627**	**0.0185 J**	**0.0012 J**	< 0.0011	**0.715**
Ethylbenzene		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
Isopropylbenzene		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
m&p-Xylenes		< 0.24	< 0.195	< 0.0033 J	< 0.0028	< 0.0022	< 0.193
Methyl Acetate		< 0.12	< 0.0976	< 0.0016 J	< 0.0014 J	< 0.0011 J	< 0.0966
Methyl N-Butyl Ketone (2-Hexanone)		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
Methylcyclohexane		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Methyl-tert-butylether		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
o-Xylene		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
Styrene (Monomer)		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
Tetrachloroethene		< 0.12	< 0.0976	< 0.0016 J	< 0.0014	< 0.0011	< 0.0966
Toluene		**0.31**	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
trans-1,2-Dichloroethene		**0.126**	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
trans-1,3-Dichloropropene		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Trichloroethene		**29.2 D**	**0.0494 J**	**0.0211 J**	**0.0337**	**0.0084**	**0.0960 J**
Vinyl chloride		< 0.12	< 0.0976	< 0.0016	< 0.0014	< 0.0011	< 0.0966
Total VOCs		**42**	**0.68**	**0.070**	**0.060**	**0.014**	**0.86**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	G-7-19 / G-7-19 (46-48) / 3/11/2019 / 46-48	G-7-19 / G-7-19 (48-50) / 3/11/2019 / 48-50	G-7-19 / G-7-19 (50-52) / 3/11/2019 / 50-52	G-7-19 / G-7-19 (52-54) / 3/11/2019 / 52-54	G-7-19 / G-7-19 (54-56) / 3/11/2019 / 54-56	I-6-19 / I-6-19 (50-52) / 3/12/2019 / 50-52
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,1,2,2-Tetrachloroethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,1,2-Trichloroethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,1-Dichloroethane		< 0.0736	< 0.233	**0.123 J**	< 0.0615	< 0.00081	< 0.11
1,1-Dichloroethene		< 0.0736	< 0.233	**0.121 J**	< 0.0615	< 0.00081	< 0.11
1,2,4-Trichlorobenzene		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,2-Dibromo-3-chloropropane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,2-Dibromoethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,2-Dichlorobenzene		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,2-Dichloroethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,2-Dichloropropane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,3-Dichlorobenzene		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
1,4-Dichlorobenzene		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
2-Butanone (MEK)		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
4-Methyl-2-Pentanone		< 0.0736	< 0.233	**0.21**	< 0.0615	< 0.00081	< 0.11
Acetone		< 0.0736	< 0.233	**0.141 J**	< 0.0615	**0.0010 J**	< 0.11
Benzene		< 0.0736	< 0.233	**0.0608 J**	< 0.0615	< 0.00081	< 0.11
Bromodichloromethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Bromoform		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Bromomethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Carbon Disulfide		< 0.0736	< 0.233	**0.0961 J**	< 0.0615	< 0.00081	< 0.11
Carbon Tetrachloride		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
CFC-11		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
CFC-12		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081 J	< 0.11

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	G-7-19 G-7-19 (46-48) 3/11/2019 46-48	G-7-19 G-7-19 (48-50) 3/11/2019 48-50	G-7-19 G-7-19 (50-52) 3/11/2019 50-52	G-7-19 G-7-19 (52-54) 3/11/2019 52-54	G-7-19 G-7-19 (54-56) 3/11/2019 54-56	I-6-19 I-6-19 (50-52) 3/12/2019 50-52
VOCs (mg/kg)							
Chlorobenzene		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Chlorodibromomethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Chloroethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Chloroform		< 0.0736	< 0.233	**0.24**	< 0.0615	< 0.00081	< 0.11
Chloromethane		< 0.0736 J	< 0.233 J	< 0.192 J	< 0.0615 J	< 0.00081	< 0.11
cis-1,2-Dichloroethene		**0.625**	**5.76**	**33.9 D**	**0.127**	**0.0016**	**0.842**
cis-1,3-Dichloropropene		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Cyclohexane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Dichloromethane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Ethylbenzene		< 0.0736	**0.192 J**	< 0.192	< 0.0615	< 0.00081	< 0.11
Isopropylbenzene		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
m&p-Xylenes		**0.0865 J**	**0.757**	< 0.385	< 0.123	< 0.0016	< 0.221
Methyl Acetate		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081 J	< 0.11
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Methylcyclohexane		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Methyl-tert-butylether		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
o-Xylene		**0.0468 J**	**0.434**	< 0.192	< 0.0615	< 0.00081	< 0.11
Styrene (Monomer)		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Tetrachloroethene		< 0.0736	**0.226 J**	< 0.192	< 0.0615	< 0.00081	< 0.11
Toluene		< 0.0736	< 0.233	**5.36**	< 0.0615	< 0.00081	< 0.11
trans-1,2-Dichloroethene		< 0.0736	< 0.233	**0.221**	< 0.0615	< 0.00081	< 0.11
trans-1,3-Dichloropropene		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Trichloroethene		**3.91**	**37.4 D**	**259 D**	**0.426**	< 0.0042 B	**4.57**
Vinyl chloride		< 0.0736	< 0.233	< 0.192	< 0.0615	< 0.00081	< 0.11
Total VOCs		**4.7**	**45**	**300**	**0.56**	**0.0026**	**5.4**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	I-6-19 / I-6-19 (52-54) / 3/12/2019 / 52-54	I-6-19 / I-6-19 (54-56) / 3/12/2019 / 54-56	nG-6-19 / NG-6-19 (48-50) / 3/12/2019 / 48-50	nG-6-19 / NG-6-19 (50-52) / 3/12/2019 / 50-52	nG-6-19 / NG-6-19 (52-54) / 3/12/2019 / 52-54	nG-6-19 / NG-6-19 (54-56) / 3/12/2019 / 54-56
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,1,2,2-Tetrachloroethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,1,2-Trichloroethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,1-Dichloroethane		< 0.0013	< 0.0010	< 0.177	**0.0847**	< 0.0011	< 0.0014
1,1-Dichloroethene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,2,4-Trichlorobenzene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,2-Dibromo-3-chloropropane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,2-Dibromoethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,2-Dichlorobenzene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,2-Dichloroethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,2-Dichloropropane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,3-Dichlorobenzene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
1,4-Dichlorobenzene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
2-Butanone (MEK)		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	**0.0015**
4-Methyl-2-Pentanone		< 0.0013	< 0.0010	< 0.177	**0.0469 J**	< 0.0011	< 0.0014
Acetone		< 0.0013	< 0.0010	**0.108 J**	**0.0469 J**	< 0.0011	**0.0021**
Benzene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Bromodichloromethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Bromoform		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Bromomethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Carbon Disulfide		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Carbon Tetrachloride		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
CFC-11		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
CFC-12		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	I-6-19 / I-6-19 (52-54) / 3/12/2019 / 52-54	I-6-19 / I-6-19 (54-56) / 3/12/2019 / 54-56	nG-6-19 / NG-6-19 (48-50) / 3/12/2019 / 48-50	nG-6-19 / NG-6-19 (50-52) / 3/12/2019 / 50-52	nG-6-19 / NG-6-19 (52-54) / 3/12/2019 / 52-54	nG-6-19 / NG-6-19 (54-56) / 3/12/2019 / 54-56
VOCs (mg/kg)							
Chlorobenzene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Chlorodibromomethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Chloroethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Chloroform		< 0.0013	< 0.0010	< 0.177	**0.0869**	< 0.0011	< 0.0014
Chloromethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
cis-1,2-Dichloroethene		**0.0062**	**0.0112**	**7.33**	**4.68**	**0.0021**	< 0.0014
cis-1,3-Dichloropropene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Cyclohexane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Dichloromethane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Ethylbenzene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Isopropylbenzene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
m&p-Xylenes		< 0.0025	< 0.0021	< 0.353	< 0.161	< 0.0022	< 0.0027
Methyl Acetate		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Methylcyclohexane		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Methyl-tert-butylether		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
o-Xylene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Styrene (Monomer)		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Tetrachloroethene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Toluene		**0.00070 J**	< 0.0010	**2.44**	< 0.0804	< 0.0011	< 0.0014
trans-1,2-Dichloroethene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
trans-1,3-Dichloropropene		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Trichloroethene		**0.0171**	**0.11**	**61.6**	**1.67**	**0.0111**	**0.0019**
Vinyl chloride		< 0.0013	< 0.0010	< 0.177	< 0.0804	< 0.0011	< 0.0014
Total VOCs		**0.024**	**0.12**	**71**	**6.6**	**0.013**	**0.0055**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-7-19 NG-7-19 (46-48) 3/12/2019 46-48	nG-7-19 NG-7-19 (48-50) 3/12/2019 48-50	nG-7-19 NG-7-19 (50-52) 3/12/2019 50-52	nG-7-19 NG-7-19 (52-54) 3/12/2019 52-54	nG-7-19 NG-7-19 (54-56) 3/12/2019 54-56	nF-7-19 NF-7-19 (46-48) 3/13/2019 46-48
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,1,2,2-Tetrachloroethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,1,2-Trichloroethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,1-Dichloroethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,1-Dichloroethene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,2,4-Trichlorobenzene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,2-Dibromo-3-chloropropane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,2-Dibromoethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,2-Dichlorobenzene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,2-Dichloroethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,2-Dichloropropane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,3-Dichlorobenzene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
1,4-Dichlorobenzene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
2-Butanone (MEK)		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
4-Methyl-2-Pentanone		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Acetone		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	**0.0669 J**
Benzene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Bromodichloromethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Bromoform		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Bromomethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Carbon Disulfide		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Carbon Tetrachloride		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
CFC-11		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
CFC-12		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID:	nG-7-19 NG-7-19 (46-48)	nG-7-19 NG-7-19 (48-50)	nG-7-19 NG-7-19 (50-52)	nG-7-19 NG-7-19 (52-54)	nG-7-19 NG-7-19 (54-56)	nF-7-19 NF-7-19 (46-48)
	Sample Date:	3/12/2019	3/12/2019	3/12/2019	3/12/2019	3/12/2019	3/13/2019
	Sample Depth (ft bls):	46-48	48-50	50-52	52-54	54-56	46-48
VOCs (mg/kg)							
Chlorobenzene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Chlorodibromomethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Chloroethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Chloroform		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Chloromethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
cis-1,2-Dichloroethene		**0.307**	**6.35**	**0.901**	**0.0025**	**0.0012**	**3.76**
cis-1,3-Dichloropropene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Cyclohexane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Dichloromethane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Ethylbenzene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Isopropylbenzene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
m&p-Xylenes		**0.0607 J**	< 0.365	< 0.179	< 0.0020	< 0.0016	**0.0821 J**
Methyl Acetate		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Methylcyclohexane		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Methyl-tert-butylether		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
o-Xylene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	**0.0522 J**
Styrene (Monomer)		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Tetrachloroethene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	**0.0553 J**
Toluene		< 0.0797	**2.2**	< 0.0893	< 0.00099	< 0.00081	**1.49**
trans-1,2-Dichloroethene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
trans-1,3-Dichloropropene		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Trichloroethene		**1.76**	**72**	**0.678**	**0.0014**	**0.00099**	**28.9**
Vinyl chloride		< 0.0797	< 0.183	< 0.0893	< 0.00099	< 0.00081	< 0.0809
Total VOCs		**2.1**	**81**	**1.6**	**0.0039**	**0.0022**	**34**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-7-19 NF-7-19 (48-50) 3/13/2019 48-50	nF-7-19 NF-7-19 (50-52) 3/13/2019 50-52	nF-7-19 NF-7-19 (52-54) 3/13/2019 52-54	nF-7-19 NF-7-19 (54-56) 3/13/2019 54-56	nF-7-19 NF-7-19 (56-58) 3/13/2019 56-58	nG-7-S-19 NG-7-S-19 (46-48) 3/14/2019 46-48
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,1,2,2-Tetrachloroethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,1,2-Trichloroethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,1-Dichloroethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,1-Dichloroethene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,2,4-Trichlorobenzene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,2-Dibromo-3-chloropropane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,2-Dibromoethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,2-Dichlorobenzene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,2-Dichloroethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,2-Dichloropropane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,3-Dichlorobenzene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
1,4-Dichlorobenzene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
2-Butanone (MEK)		< 0.0662	< 0.00067	< 0.00098	< 0.0011	**0.0019**	< 0.00097
4-Methyl-2-Pentanone		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Acetone		< 0.0662	< 0.00067	< 0.00098	< 0.0011	**0.0071**	< 0.00097
Benzene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Bromodichloromethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Bromoform		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Bromomethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Carbon Disulfide		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Carbon Tetrachloride		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
CFC-11		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
CFC-12		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-7-19 / NF-7-19 (48-50) / 3/13/2019 / 48-50	nF-7-19 / NF-7-19 (50-52) / 3/13/2019 / 50-52	nF-7-19 / NF-7-19 (52-54) / 3/13/2019 / 52-54	nF-7-19 / NF-7-19 (54-56) / 3/13/2019 / 54-56	nF-7-19 / NF-7-19 (56-58) / 3/13/2019 / 56-58	nG-7-S-19 / NG-7-S-19 (46-48) / 3/14/2019 / 46-48
VOCs (mg/kg)							
Chlorobenzene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Chlorodibromomethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Chloroethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Chloroform		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Chloromethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
cis-1,2-Dichloroethene		**0.952**	**0.0137**	**0.0062**	**0.00075 J**	< 0.0010	**0.0253**
cis-1,3-Dichloropropene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Cyclohexane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Dichloromethane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	**0.0027**
Ethylbenzene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Isopropylbenzene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
m&p-Xylenes		< 0.132	< 0.0013	< 0.0020	< 0.0022	< 0.0020	< 0.0019
Methyl Acetate		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Methylcyclohexane		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Methyl-tert-butylether		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
o-Xylene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Styrene (Monomer)		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Tetrachloroethene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	**0.00058 J**
Toluene		< 0.0662	< 0.00067	**0.00099**	< 0.0011	< 0.0010	< 0.00097
trans-1,2-Dichloroethene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
trans-1,3-Dichloropropene		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Trichloroethene		**3.02**	**0.0187**	**0.0251**	**0.0044**	**0.0017**	**0.0561**
Vinyl chloride		< 0.0662	< 0.00067	< 0.00098	< 0.0011	< 0.0010	< 0.00097
Total VOCs		**3.9**	**0.033**	**0.033**	**0.0051**	**0.010**	**0.085**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-7-S-19 / NG-7-S-19 (48-50) / 3/14/2019 / 48-50	nG-7-S-19 / NG-7-S-19 (50-52) / 3/14/2019 / 50-52	nG-7-S-19 / NG-7-S-19 (52-54) / 3/14/2019 / 52-54	nG-7-S-19 / NG-7-S-19 (54-56) / 3/14/2019 / 54-56	nG-7-S-19 / NG-7-S-19 (56-58) / 3/14/2019 / 56-58	nG-5-19 / NG-5-19 (42-44) / 3/15/2019 / 42-44
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,1,2,2-Tetrachloroethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,1,2-Trichloroethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,1-Dichloroethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,1-Dichloroethene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,2,4-Trichlorobenzene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,2-Dibromo-3-chloropropane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,2-Dibromoethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,2-Dichlorobenzene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,2-Dichloroethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,2-Dichloropropane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,3-Dichlorobenzene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
1,4-Dichlorobenzene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
2-Butanone (MEK)		< 0.0580	< 0.0010	**0.0018**	< 0.0011	**0.001**	< 0.0013
4-Methyl-2-Pentanone		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Acetone		< 0.0580	< 0.0010	**0.0043**	< 0.0011	**0.0018**	< 0.0013
Benzene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Bromodichloromethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Bromoform		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Bromomethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Carbon Disulfide		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Carbon Tetrachloride		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
CFC-11		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
CFC-12		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-7-S-19 / NG-7-S-19 (48-50) / 3/14/2019 / 48-50	nG-7-S-19 / NG-7-S-19 (50-52) / 3/14/2019 / 50-52	nG-7-S-19 / NG-7-S-19 (52-54) / 3/14/2019 / 52-54	nG-7-S-19 / NG-7-S-19 (54-56) / 3/14/2019 / 54-56	nG-7-S-19 / NG-7-S-19 (56-58) / 3/14/2019 / 56-58	nG-5-19 / NG-5-19 (42-44) / 3/15/2019 / 42-44
VOCs (mg/kg)							
Chlorobenzene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Chlorodibromomethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Chloroethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Chloroform		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Chloromethane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
cis-1,2-Dichloroethene		**0.203**	**0.0992**	< 0.00084	**0.00083 J**	< 0.00069	**0.0655**
cis-1,3-Dichloropropene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Cyclohexane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Dichloromethane		< 0.0580	**0.0014**	**0.0022**	**0.0015**	**0.0011**	< 0.0013
Ethylbenzene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Isopropylbenzene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
m&p-Xylenes		< 0.116	< 0.0020	< 0.0017	< 0.0022	< 0.0014	< 0.0026
Methyl Acetate		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Methylcyclohexane		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Methyl-tert-butylether		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
o-Xylene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Styrene (Monomer)		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Tetrachloroethene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Toluene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	**0.0114**
trans-1,2-Dichloroethene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
trans-1,3-Dichloropropene		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Trichloroethene		**0.679**	**0.0869**	**0.00042 J**	**0.00084 J**	< 0.00069	**0.0085**
Vinyl chloride		< 0.0580	< 0.0010	< 0.00084	< 0.0011	< 0.00069	< 0.0013
Total VOCs		**0.88**	**0.19**	**0.087**	**0.0032**	**0.0039**	**0.085**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-5-19 NG-5-19 (44-46) 3/15/2019 44-46	nG-5-19 NG-5-19 (46-48) 3/15/2019 46-48	nG-5-19 NG-5-19 (48-50) 3/15/2019 48-50	nG-5-19 NG-5-19 (50-52) 3/15/2019 50-52	nG-5-19 NG-5-19 (52-54) 3/15/2019 52-54	nG-8-NE-19 NG-8-NE-19 (46-48) 3/15/2019 46-48
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,1,2,2-Tetrachloroethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,1,2-Trichloroethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,1-Dichloroethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,1-Dichloroethene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,2,4-Trichlorobenzene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,2-Dibromo-3-chloropropane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,2-Dibromoethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,2-Dichlorobenzene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,2-Dichloroethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,2-Dichloropropane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,3-Dichlorobenzene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
1,4-Dichlorobenzene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
2-Butanone (MEK)		< 0.0018	**0.002**	< 0.0743	< 0.0508	< 0.00099	< 0.0658
4-Methyl-2-Pentanone		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Acetone		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Benzene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Bromodichloromethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Bromoform		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Bromomethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Carbon Disulfide		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Carbon Tetrachloride		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
CFC-11		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
CFC-12		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-5-19 NG-5-19 (44-46) 3/15/2019 44-46	nG-5-19 NG-5-19 (46-48) 3/15/2019 46-48	nG-5-19 NG-5-19 (48-50) 3/15/2019 48-50	nG-5-19 NG-5-19 (50-52) 3/15/2019 50-52	nG-5-19 NG-5-19 (52-54) 3/15/2019 52-54	nG-8-NE-19 NG-8-NE-19 (46-48) 3/15/2019 46-48
VOCs (mg/kg)							
Chlorobenzene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Chlorodibromomethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Chloroethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Chloroform		< 0.0018	< 0.00081	**0.0766**	< 0.0508	< 0.00099	< 0.0658
Chloromethane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
cis-1,2-Dichloroethene		**0.026**	**0.0227**	**4.82**	**0.341**	**0.0093**	**0.108**
cis-1,3-Dichloropropene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Cyclohexane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Dichloromethane		< 0.0018	**0.0018**	**0.163**	< 0.0508	< 0.00099	< 0.0658
Ethylbenzene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Isopropylbenzene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
m&p-Xylenes		< 0.0037	< 0.0016	< 0.149	< 0.102	< 0.0020	< 0.132
Methyl Acetate		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Methylcyclohexane		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Methyl-tert-butylether		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
o-Xylene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Styrene (Monomer)		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Tetrachloroethene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	**0.0010**	< 0.0658
Toluene		< 0.0018	**0.0023**	**1.22**	< 0.0508	< 0.00099	< 0.0658
trans-1,2-Dichloroethene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
trans-1,3-Dichloropropene		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Trichloroethene		**0.04**	**0.0504**	**39.6**	**2.51**	**0.0479**	**0.422**
Vinyl chloride		< 0.0018	< 0.00081	< 0.0743	< 0.0508	< 0.00099	< 0.0658
Total VOCs		**0.066**	**0.079**	**46**	**3.0**	**0.058**	**0.53**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-8-NE-19 NG-8-NE-19 (48-50) 3/15/2019 48-50	nG-8-NE-19 NG-8-NE-19 (50-52) 3/15/2019 50-52	nG-8-NE-19 NG-8-NE-19 (52-54) 3/15/2019 52-54	nG-8-NE-19 NG-8-NE-19 (54-56) 3/15/2019 54-56	nG-8-NE-19 NG-8-NE-19 (56-58) 3/15/2019 56-58
VOCs (mg/kg)						
1,1,1-Trichloroethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,1,2,2-Tetrachloroethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,1,2-Trichloroethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,1-Dichloroethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,1-Dichloroethene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,2,4-Trichlorobenzene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,2-Dibromo-3-chloropropane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,2-Dibromoethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,2-Dichlorobenzene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,2-Dichloroethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,2-Dichloropropane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,3-Dichlorobenzene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
1,4-Dichlorobenzene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
2-Butanone (MEK)		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
4-Methyl-2-Pentanone		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Acetone		< 0.0781	< 0.0616	< 0.0012	**0.0014**	< 0.0685
Benzene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Bromodichloromethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Bromoform		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Bromomethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Carbon Disulfide		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Carbon Tetrachloride		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
CFC-11		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
CFC-12		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-8-NE-19 NG-8-NE-19 (48-50) 3/15/2019 48-50	nG-8-NE-19 NG-8-NE-19 (50-52) 3/15/2019 50-52	nG-8-NE-19 NG-8-NE-19 (52-54) 3/15/2019 52-54	nG-8-NE-19 NG-8-NE-19 (54-56) 3/15/2019 54-56	nG-8-NE-19 NG-8-NE-19 (56-58) 3/15/2019 56-58
VOCs (mg/kg)						
Chlorobenzene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Chlorodibromomethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Chloroethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Chloroform		**0.0412 J**	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Chloromethane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
cis-1,2-Dichloroethene		**7.75**	**1.74**	**0.0031**	**0.0044**	**0.155**
cis-1,3-Dichloropropene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Cyclohexane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Dichloromethane		< 0.0781	< 0.0616	**0.0036**	**0.0029**	< 0.0685
Ethylbenzene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Isopropylbenzene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
m&p-Xylenes		< 0.156	< 0.123	< 0.0023	< 0.0018	< 0.137
Methyl Acetate		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Methylcyclohexane		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Methyl-tert-butylether		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
o-Xylene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Styrene (Monomer)		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Tetrachloroethene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Toluene		**2.03**	< 0.0616	< 0.0012	< 0.00088	< 0.0685
trans-1,2-Dichloroethene		**0.0507 J**	< 0.0616	< 0.0012	< 0.00088	< 0.0685
trans-1,3-Dichloropropene		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Trichloroethene		**35.4**	**0.509**	**0.0029**	**0.0018**	**0.202**
Vinyl chloride		< 0.0781	< 0.0616	< 0.0012	< 0.00088	< 0.0685
Total VOCs		**45**	**2.2**	**0.0096**	**0.010**	**0.36**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-8-NE-19 / REP031519MM1 / 3/15/2019 / 46-48	nF-7-SW-19 / NF-7-SW-19 (42-44) / 3/18/2019 / 42-44	nF-7-SW-19 / NF-7-SW-19 (44-46) / 3/18/2019 / 44-46	nF-7-SW-19 / NF-7-SW-19 (46-48) / 3/18/2019 / 46-48	nF-7-SW-19 / NF-7-SW-19 (48-50) / 3/18/2019 / 48-50
VOCs (mg/kg)						
1,1,1-Trichloroethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,1,2,2-Tetrachloroethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,1,2-Trichloroethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,1-Dichloroethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,1-Dichloroethene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,2,4-Trichlorobenzene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,2-Dibromo-3-chloropropane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,2-Dibromoethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,2-Dichlorobenzene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,2-Dichloroethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,2-Dichloropropane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,3-Dichlorobenzene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
1,4-Dichlorobenzene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
2-Butanone (MEK)		< 0.0859	< 0.0753	**0.00056 J**	< 0.0651	< 0.00097
4-Methyl-2-Pentanone		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Acetone		< 0.0859	< 0.0753	**0.0024**	< 0.0651	< 0.00097
Benzene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Bromodichloromethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Bromoform		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Bromomethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Carbon Disulfide		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Carbon Tetrachloride		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
CFC-11		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
CFC-12		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-8-NE-19 / REP031519MM1 / 3/15/2019 / 46-48	nF-7-SW-19 / NF-7-SW-19 (42-44) / 3/18/2019 / 42-44	nF-7-SW-19 / NF-7-SW-19 (44-46) / 3/18/2019 / 44-46	nF-7-SW-19 / NF-7-SW-19 (46-48) / 3/18/2019 / 46-48	nF-7-SW-19 / NF-7-SW-19 (48-50) / 3/18/2019 / 48-50
VOCs (mg/kg)						
Chlorobenzene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Chlorodibromomethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Chloroethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Chloroform		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Chloromethane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
cis-1,2-Dichloroethene		**0.115**	**2.91**	**0.0127**	**1.12**	**0.0079**
cis-1,3-Dichloropropene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Cyclohexane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Dichloromethane		< 0.0859	< 0.0753	**0.0023**	< 0.0651	**0.0019**
Ethylbenzene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Isopropylbenzene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
m&p-Xylenes		< 0.172	< 0.151	< 0.0018	< 0.13	< 0.0019
Methyl Acetate		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Methylcyclohexane		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Methyl-tert-butylether		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
o-Xylene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Styrene (Monomer)		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Tetrachloroethene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Toluene		< 0.0859	**1.12**	**0.0012**	**0.0782**	< 0.00097
trans-1,2-Dichloroethene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
trans-1,3-Dichloropropene		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Trichloroethene		**0.524**	**4.97**	**0.0105**	**0.293**	**0.0046**
Vinyl chloride		< 0.0859	< 0.0753	< 0.00091	< 0.0651	< 0.00097
Total VOCs		**0.64**	**9.0**	**0.029**	**1.5**	**0.014**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-7-SW-19 / NF-7-SW-19 (50-52) / 3/18/2019 / 50-52	nF-7-SW-19 / NF-7-SW-19 (52-54) / 3/18/2019 / 52-54	nH-8-19 / NH-8-19 (42-44) / 3/19/2019 / 42-44	nH-8-19 / NH-8-19 (44-46) / 3/19/2019 / 44-46	nH-8-19 / NH-8-19 (46-48) / 3/19/2019 / 46-48	nH-8-19 / NH-8-19(48-50) / 3/19/2019 / 48-50
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,1,2,2-Tetrachloroethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,1,2-Trichloroethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,1-Dichloroethane		< 0.00088	< 0.0020	< 0.0831	**0.125**	< 0.0012	**0.0590 J**
1,1-Dichloroethene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,2,4-Trichlorobenzene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,2-Dibromo-3-chloropropane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,2-Dibromoethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,2-Dichlorobenzene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,2-Dichloroethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,2-Dichloropropane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,3-Dichlorobenzene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
1,4-Dichlorobenzene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
2-Butanone (MEK)		**0.0032**	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
4-Methyl-2-Pentanone		< 0.00088	< 0.0020	< 0.0831	**0.0868**	< 0.0012	**0.0839**
Acetone		< 0.00088	< 0.0020	< 0.0831	**0.0585 J**	< 0.0012	**0.0668 J**
Benzene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Bromodichloromethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Bromoform		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Bromomethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Carbon Disulfide		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Carbon Tetrachloride		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
CFC-11		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
CFC-12		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-7-SW-19 / NF-7-SW-19 (50-52) / 3/18/2019 / 50-52	nF-7-SW-19 / NF-7-SW-19 (52-54) / 3/18/2019 / 52-54	nH-8-19 / NH-8-19 (42-44) / 3/19/2019 / 42-44	nH-8-19 / NH-8-19 (44-46) / 3/19/2019 / 44-46	nH-8-19 / NH-8-19 (46-48) / 3/19/2019 / 46-48	nH-8-19 / NH-8-19(48-50) / 3/19/2019 / 48-50
VOCs (mg/kg)							
Chlorobenzene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Chlorodibromomethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Chloroethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Chloroform		< 0.00088	< 0.0020	< 0.0831	**0.189**	< 0.0012	**0.173**
Chloromethane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
cis-1,2-Dichloroethene		**0.0014**	**0.0457**	**0.769**	**6.18**	**0.0685**	**8.63**
cis-1,3-Dichloropropene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Cyclohexane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Dichloromethane		**0.0029**	< 0.0020	**0.0417 J**	**5.97**	**0.0017**	**1.49**
Ethylbenzene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Isopropylbenzene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
m&p-Xylenes		< 0.0018	< 0.0040	**0.136 J**	< 0.128	< 0.0023	< 0.147
Methyl Acetate		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Methyl N-Butyl Ketone (2-Hexanone)		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Methylcyclohexane		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Methyl-tert-butylether		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
o-Xylene		< 0.00088	< 0.0020	**0.0810 J**	< 0.0642	< 0.0012	< 0.0733
Styrene (Monomer)		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Tetrachloroethene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Toluene		**0.00075 J**	**0.0104**	< 0.0831	< 0.0642	< 0.0012	**0.196**
trans-1,2-Dichloroethene		< 0.00088	< 0.0020	< 0.0831	**0.0380 J**	< 0.0012	**0.0428 J**
trans-1,3-Dichloropropene		< 0.00088	< 0.0020	< 0.0831	< 0.0642	< 0.0012	< 0.0733
Trichloroethene		**0.0025**	**0.0392**	**3.65**	**0.337**	**0.0330**	**7.14**
Vinyl chloride		< 0.00088	< 0.0020	< 0.0831	**0.128**	**0.00062 J**	< 0.0733
Total VOCs		**0.010**	**0.095**	**4.7**	**13**	**0.10**	**18**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nH-8-19 NH-8-19(50-52) 3/19/2019 50-52	nH-8-19 NH-8-19(52-54) 3/19/2019 52-54	nH-8-19 REP031919MM1 3/19/2019 50-52	nF-5-19 NF-5-19 (42-44) 3/20/2019 42-44	nF-5-19 NF-5-19 (44-46) 3/20/2019 44-46	nF-5-19 NF-5-19 (46-48) 3/20/2019 46-48
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,1,2,2-Tetrachloroethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,1,2-Trichloroethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,1-Dichloroethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,1-Dichloroethene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,2,4-Trichlorobenzene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,2-Dibromo-3-chloropropane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,2-Dibromoethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010 J	< 0.00085
1,2-Dichlorobenzene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,2-Dichloroethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,2-Dichloropropane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,3-Dichlorobenzene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
1,4-Dichlorobenzene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
2-Butanone (MEK)		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
4-Methyl-2-Pentanone		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Acetone		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Benzene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Bromodichloromethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Bromoform		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Bromomethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Carbon Disulfide		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Carbon Tetrachloride		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
CFC-11		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
CFC-12		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nH-8-19 NH-8-19(50-52) 3/19/2019 50-52	nH-8-19 NH-8-19(52-54) 3/19/2019 52-54	nH-8-19 REP031919MM1 3/19/2019 50-52	nF-5-19 NF-5-19 (42-44) 3/20/2019 42-44	nF-5-19 NF-5-19 (44-46) 3/20/2019 44-46	nF-5-19 NF-5-19 (46-48) 3/20/2019 46-48
VOCs (mg/kg)							
Chlorobenzene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Chlorodibromomethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Chloroethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Chloroform		< 0.0781	**0.0380 J**	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Chloromethane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
cis-1,2-Dichloroethene		**0.406**	**2.48**	**0.247**	**0.00067 J**	**0.0064**	**0.0012**
cis-1,3-Dichloropropene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Cyclohexane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Dichloromethane		**0.0431 J**	**0.363**	< 0.0732	**0.0033**	**0.0029**	**0.0029**
Ethylbenzene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Isopropylbenzene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
m&p-Xylenes		< 0.156	< 0.139	< 0.146	< 0.0019	< 0.0021	< 0.0017
Methyl Acetate		< 0.0781	< 0.0696	< 0.0732	< 0.00097 J	< 0.0010 J	< 0.00085 J
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Methylcyclohexane		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Methyl-tert-butylether		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
o-Xylene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Styrene (Monomer)		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Tetrachloroethene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Toluene		< 0.0781	**0.186**	< 0.0732	< 0.00097	< 0.0010	< 0.00085
trans-1,2-Dichloroethene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
trans-1,3-Dichloropropene		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Trichloroethene		**0.944**	**5.52**	**0.207**	**0.0023**	**0.0132**	**0.0021**
Vinyl chloride		< 0.0781	< 0.0696	< 0.0732	< 0.00097	< 0.0010	< 0.00085
Total VOCs		**1.4**	**9.0**	**0.45**	**0.0067**	**0.022**	**0.0062**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-5-19 NF-5-19 (48-50) 3/20/2019 48-50	nF-5-19 NF-5-19 (50-52) 3/20/2019 50-52	nF-5-19 NF-5-19 (52-54) 3/20/2019 52-54	nG-8-19 NG-8-19 (42-44) 3/20/2019 42-44	nG-8-19 NG-8-19 (44-46) 3/20/2019 44-46	nG-8-19 NG-8-19 (46-48) 3/20/2019 46-48
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,1,2,2-Tetrachloroethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,1,2-Trichloroethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,1-Dichloroethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,1-Dichloroethene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,2,4-Trichlorobenzene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,2-Dibromo-3-chloropropane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,2-Dibromoethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,2-Dichlorobenzene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,2-Dichloroethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,2-Dichloropropane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,3-Dichlorobenzene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
1,4-Dichlorobenzene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
2-Butanone (MEK)		**0.0015**	< 0.00093	< 0.00071	**0.00080 J**	**0.0018 J**	< 0.0010
4-Methyl-2-Pentanone		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Acetone		< 0.00090	< 0.00093	< 0.00071	**0.0048 J**	**0.0089 J**	< 0.0010
Benzene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Bromodichloromethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Bromoform		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Bromomethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Carbon Disulfide		**0.00052 J**	< 0.00093	**0.00058 J**	< 0.00092	< 0.00080	< 0.0010
Carbon Tetrachloride		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
CFC-11		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
CFC-12		< 0.00090	< 0.00093	< 0.00071	< 0.00092 J	< 0.00080 J	< 0.0010 J

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-5-19 NF-5-19 (48-50) 3/20/2019 48-50	nF-5-19 NF-5-19 (50-52) 3/20/2019 50-52	nF-5-19 NF-5-19 (52-54) 3/20/2019 52-54	nG-8-19 NG-8-19 (42-44) 3/20/2019 42-44	nG-8-19 NG-8-19 (44-46) 3/20/2019 44-46	nG-8-19 NG-8-19 (46-48) 3/20/2019 46-48
VOCs (mg/kg)							
Chlorobenzene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Chlorodibromomethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Chloroethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Chloroform		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Chloromethane		< 0.00090	< 0.00093	< 0.00071	< 0.00092 J	< 0.00080 J	< 0.0010 J
cis-1,2-Dichloroethene		**0.0110**	**0.00073 J**	**0.0013**	**0.00085 J**	**0.0020**	**0.0089**
cis-1,3-Dichloropropene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Cyclohexane		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Dichloromethane		**0.0028**	**0.0022**	**0.0014**	**0.0023**	**0.0024**	**0.0031**
Ethylbenzene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Isopropylbenzene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
m&p-Xylenes		< 0.0018	< 0.0019	< 0.0014	< 0.0018	< 0.0016	**0.0012 J**
Methyl Acetate		< 0.00090 J	< 0.00093 J	< 0.00071 J	< 0.00092 J	< 0.00080 J	< 0.0010 J
Methyl N-Butyl Ketone (2-Hexanone)		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Methylcyclohexane		**0.00057 J**	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Methyl-tert-butylether		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
o-Xylene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	**0.00079 J**
Styrene (Monomer)		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Tetrachloroethene		**0.00045 J**	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Toluene		**0.00077 J**	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
trans-1,2-Dichloroethene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
trans-1,3-Dichloropropene		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	< 0.0010
Trichloroethene		**0.0259**	**0.0011**	**0.0035**	< 0.00092	< 0.00080	**0.0125**
Vinyl chloride		< 0.00090	< 0.00093	< 0.00071	< 0.00092	< 0.00080	**0.0010**
Total VOCs		**0.043**	**0.0040**	**0.0068**	**0.0088**	**0.015**	**0.027**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-8-19 NG-8-19 (48-50) 3/20/2019 48-50	nG-8-19 NG-8-19 (50-52) 3/20/2019 50-52	nG-8-19 NG-8-19 (52-54) 3/20/2019 52-54	nG-8-19 REP032019MM1 3/20/2019 46-48	nF-6-19 NF-6-19 (42-44) 3/22/2019 42-44	nF-6-19 NF-6-19 (44-46) 3/22/2019 44-46
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,1,2,2-Tetrachloroethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,1,2-Trichloroethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,1-Dichloroethane		**0.0017**	**0.0015**	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,1-Dichloroethene		**0.0021**	**0.0013**	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,2,4-Trichlorobenzene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,2-Dibromo-3-chloropropane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,2-Dibromoethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,2-Dichlorobenzene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,2-Dichloroethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,2-Dichloropropane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,3-Dichlorobenzene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
1,4-Dichlorobenzene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
2-Butanone (MEK)		**0.00073 J**	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
4-Methyl-2-Pentanone		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Acetone		**0.0024 J**	< 0.00093	< 0.00098	**0.00082**	< 0.0601	< 0.0010
Benzene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Bromodichloromethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Bromoform		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Bromomethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Carbon Disulfide		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Carbon Tetrachloride		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
CFC-11		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
CFC-12		< 0.00070 J	< 0.00093 J	< 0.00098	< 0.00071	< 0.0601	< 0.0010

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-8-19 NG-8-19 (48-50) 3/20/2019 48-50	nG-8-19 NG-8-19 (50-52) 3/20/2019 50-52	nG-8-19 NG-8-19 (52-54) 3/20/2019 52-54	nG-8-19 REP032019MM1 3/20/2019 46-48	nF-6-19 NF-6-19 (42-44) 3/22/2019 42-44	nF-6-19 NF-6-19 (44-46) 3/22/2019 44-46
VOCs (mg/kg)							
Chlorobenzene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Chlorodibromomethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Chloroethane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Chloroform		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Chloromethane		< 0.00070 J	< 0.00093 J	< 0.00098	< 0.00071	< 0.0601	< 0.0010
cis-1,2-Dichloroethene		**0.33 EJ**	**0.313 EJ**	**0.0015**	**0.0095**	**0.158**	**0.0037**
cis-1,3-Dichloropropene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Cyclohexane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Dichloromethane		**0.0022**	**0.0023**	**0.0027**	**0.0011**	< 0.0601	**0.0034**
Ethylbenzene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Isopropylbenzene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
m&p-Xylenes		**0.0010 J**	**0.0042**	< 0.0020	**0.0016**	< 0.12	< 0.0021
Methyl Acetate		< 0.00070 J	< 0.00093 J	< 0.00098 J	< 0.00071 J	< 0.0601	< 0.0010
Methyl N-Butyl Ketone (2-Hexanone)		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Methylcyclohexane		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Methyl-tert-butylether		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
o-Xylene		**0.00054 J**	**0.0026**	< 0.00098	**0.00090**	< 0.0601	< 0.0010
Styrene (Monomer)		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Tetrachloroethene		**0.00049 J**	**0.00075 J**	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Toluene		< 0.00070	**0.00088 J**	< 0.00098	< 0.00071	< 0.0601	< 0.0010
trans-1,2-Dichloroethene		**0.0015**	**0.0015**	< 0.00098	< 0.00071	< 0.0601	< 0.0010
trans-1,3-Dichloropropene		< 0.00070	< 0.00093	< 0.00098	< 0.00071	< 0.0601	< 0.0010
Trichloroethene		**0.0666**	**0.139 EJ**	**0.0014**	**0.0168**	**0.271**	**0.0065**
Vinyl chloride		**0.0114**	**0.0037**	< 0.00098	**0.0015**	< 0.0601	< 0.0010
Total VOCs		**0.42**	**0.47**	**0.0056**	**0.032**	**0.43**	**0.014**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-6-19 / NF-6-19 (46-48) / 3/22/2019 / 46-48	nF-6-19 / NF-6-19 (48-50) / 3/22/2019 / 48-50	nF-6-19 / NF-6-19 (50-52) / 3/22/2019 / 50-52	nF-6-19 / NF-6-19 (52-54) / 3/22/2019 / 52-54	nF-6-19 / REP032219MM1 / 3/22/2019 / 42-44	nG-8-SE-19 / NG-8-SE-19 (42-44) / 3/22/2019 / 42-44
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,1,2,2-Tetrachloroethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,1,2-Trichloroethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,1-Dichloroethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,1-Dichloroethene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,2,4-Trichlorobenzene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,2-Dibromo-3-chloropropane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,2-Dibromoethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,2-Dichlorobenzene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,2-Dichloroethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,2-Dichloropropane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,3-Dichlorobenzene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
1,4-Dichlorobenzene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
2-Butanone (MEK)		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
4-Methyl-2-Pentanone		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Acetone		< 0.0647	< 0.00081	**0.0011**	< 0.0010	**0.0468 J**	< 0.0011
Benzene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Bromodichloromethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Bromoform		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Bromomethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Carbon Disulfide		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Carbon Tetrachloride		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
CFC-11		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
CFC-12		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-6-19 NF-6-19 (46-48) 3/22/2019 46-48	nF-6-19 NF-6-19 (48-50) 3/22/2019 48-50	nF-6-19 NF-6-19 (50-52) 3/22/2019 50-52	nF-6-19 NF-6-19 (52-54) 3/22/2019 52-54	nF-6-19 REP032219MM1 3/22/2019 42-44	nG-8-SE-19 NG-8-SE-19 (42-44) 3/22/2019 42-44
VOCs (mg/kg)							
Chlorobenzene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Chlorodibromomethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Chloroethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Chloroform		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Chloromethane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
cis-1,2-Dichloroethene		**0.12**	**0.0116**	**0.0097**	**0.0098**	**0.132**	**0.0064**
cis-1,3-Dichloropropene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Cyclohexane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Dichloromethane		< 0.0647	**0.0018**	**0.0015**	**0.0041**	< 0.0678	**0.0015**
Ethylbenzene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Isopropylbenzene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
m&p-Xylenes		< 0.129	< 0.0016	< 0.0014	< 0.0020	< 0.136	< 0.0022
Methyl Acetate		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Methylcyclohexane		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Methyl-tert-butylether		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
o-Xylene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Styrene (Monomer)		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Tetrachloroethene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Toluene		< 0.0647	< 0.00081	**0.0012**	< 0.0010	< 0.0678	< 0.0011
trans-1,2-Dichloroethene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
trans-1,3-Dichloropropene		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Trichloroethene		**0.314**	**0.0284**	**0.0293**	**0.0367**	**0.221**	**0.0077**
Vinyl chloride		< 0.0647	< 0.00081	< 0.00071	< 0.0010	< 0.0678	< 0.0011
Total VOCs		**0.43**	**0.041**	**0.043**	**0.050**	**0.40**	**0.016**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-8-SE-19 / NG-8-SE-19 (44-46) / 3/22/2019 / 44-46	nG-8-SE-19 / NG-8-SE-19 (46-48) / 3/22/2019 / 46-48	nG-8-SE-19 / NG-8-SE-19 (48-50) / 3/22/2019 / 48-50	nG-8-SE-19 / NG-8-SE-19 (50-52) / 3/22/2019 / 50-52	nG-8-SE-19 / NG-8-SE-19 (52-54) / 3/22/2019 / 52-54
VOCs (mg/kg)						
1,1,1-Trichloroethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,1,2,2-Tetrachloroethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,1,2-Trichloroethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,1-Dichloroethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,1-Dichloroethene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,2,4-Trichlorobenzene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,2-Dibromo-3-chloropropane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,2-Dibromoethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,2-Dichlorobenzene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,2-Dichloroethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,2-Dichloropropane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,3-Dichlorobenzene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
1,4-Dichlorobenzene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
2-Butanone (MEK)		**0.0024**	< 0.0665	< 0.0734	< 0.0593	< 0.0649
4-Methyl-2-Pentanone		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Acetone		**0.01**	**0.0554 J**	< 0.0734	< 0.0593	< 0.0649
Benzene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Bromodichloromethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Bromoform		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Bromomethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Carbon Disulfide		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Carbon Tetrachloride		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
CFC-11		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
CFC-12		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-8-SE-19 / NG-8-SE-19 (44-46) / 3/22/2019 / 44-46	nG-8-SE-19 / NG-8-SE-19 (46-48) / 3/22/2019 / 46-48	nG-8-SE-19 / NG-8-SE-19 (48-50) / 3/22/2019 / 48-50	nG-8-SE-19 / NG-8-SE-19 (50-52) / 3/22/2019 / 50-52	nG-8-SE-19 / NG-8-SE-19 (52-54) / 3/22/2019 / 52-54
VOCs (mg/kg)						
Chlorobenzene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Chlorodibromomethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Chloroethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Chloroform		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Chloromethane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
cis-1,2-Dichloroethene		**0.0011**	**5.66**	**0.281**	**0.201**	**0.618**
cis-1,3-Dichloropropene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Cyclohexane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Dichloromethane		**0.0016**	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Ethylbenzene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Isopropylbenzene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
m&p-Xylenes		< 0.0015	< 0.133	< 0.147	< 0.119	< 0.13
Methyl Acetate		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Methyl N-Butyl Ketone (2-Hexanone)		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Methylcyclohexane		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Methyl-tert-butylether		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
o-Xylene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Styrene (Monomer)		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Tetrachloroethene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Toluene		**0.00046 J**	**2.62**	< 0.0734	**0.0608**	**0.184**
trans-1,2-Dichloroethene		< 0.00073	**0.0401 J**	< 0.0734	< 0.0593	< 0.0649
trans-1,3-Dichloropropene		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Trichloroethene		**0.0046**	**31.8**	**0.0917**	**0.867**	**2.35**
Vinyl chloride		< 0.00073	< 0.0665	< 0.0734	< 0.0593	< 0.0649
Total VOCs		**0.020**	**40**	**0.37**	**1.1**	**3.2**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-9-19 NG-9-19 (42-44) 3/26/2019 42-44	nG-9-19 NG-9-19 (44-46) 3/26/2019 44-46	nG-9-19 NG-9-19 (46-48) 3/26/2019 46-48	nG-9-19 NG-9-19 (48-50) 3/26/2019 48-50	nG-9-19 NG-9-19 (50-52) 3/26/2019 50-52	nG-9-19 NG-9-19 (52-54) 3/26/2019 52-54
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,1,2,2-Tetrachloroethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,1,2-Trichloroethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,1-Dichloroethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,1-Dichloroethene		< 0.00092	< 0.0818	< 0.0723	**0.00080 J**	< 0.0013	< 0.00094
1,2,4-Trichlorobenzene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,2-Dibromo-3-chloropropane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,2-Dibromoethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,2-Dichlorobenzene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,2-Dichloroethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,2-Dichloropropane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,3-Dichlorobenzene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
1,4-Dichlorobenzene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
2-Butanone (MEK)		**0.00070 J**	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
4-Methyl-2-Pentanone		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Acetone		**0.0034**	< 0.0818	< 0.0723	< 0.0012	< 0.0013	**0.00081 J**
Benzene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Bromodichloromethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Bromoform		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Bromomethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Carbon Disulfide		**0.00068 J**	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Carbon Tetrachloride		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
CFC-11		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
CFC-12		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-9-19 NG-9-19 (42-44) 3/26/2019 42-44	nG-9-19 NG-9-19 (44-46) 3/26/2019 44-46	nG-9-19 NG-9-19 (46-48) 3/26/2019 46-48	nG-9-19 NG-9-19 (48-50) 3/26/2019 48-50	nG-9-19 NG-9-19 (50-52) 3/26/2019 50-52	nG-9-19 NG-9-19 (52-54) 3/26/2019 52-54
VOCs (mg/kg)							
Chlorobenzene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Chlorodibromomethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Chloroethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Chloroform		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Chloromethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
cis-1,2-Dichloroethene		**0.0027**	**1.9**	**0.237**	**0.0640**	**0.0096**	**0.0048**
cis-1,3-Dichloropropene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Cyclohexane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Dichloromethane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Ethylbenzene		< 0.00092	**0.2**	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Isopropylbenzene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
m&p-Xylenes		< 0.0018	**1.07**	< 0.145	< 0.0024	< 0.0026	< 0.0019
Methyl Acetate		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Methyl N-Butyl Ketone (2-Hexanone)		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Methylcyclohexane		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Methyl-tert-butylether		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
o-Xylene		**0.00055 J**	**0.593**	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Styrene (Monomer)		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Tetrachloroethene		< 0.00092	**0.0717 J**	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Toluene		**0.0021**	**2.49**	< 0.0723	< 0.0012	< 0.0013	< 0.00094
trans-1,2-Dichloroethene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
trans-1,3-Dichloropropene		< 0.00092	< 0.0818	< 0.0723	< 0.0012	< 0.0013	< 0.00094
Trichloroethene		**0.0053**	**7.93**	< 0.0723	**0.0284**	**0.0059**	**0.0114**
Vinyl chloride		< 0.00092	< 0.0818	< 0.0723	**0.0014**	< 0.0013	< 0.00094
Total VOCs		**0.015**	**14**	**0.24**	**0.095**	**0.016**	**0.017**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-9-19 REP032619MM1 3/26/2019 44-46	nH-9-19 NH-9-19 (42-44) 3/26/2019 42-44	nH-9-19 NH-9-19 (44-46) 3/26/2019 44-46	nH-9-19 NH-9-19 (46-48) 3/26/2019 46-48	nH-9-19 NH-9-19 (48-50) 3/26/2019 48-50	nH-9-19 NH-9-19 (50-52) 3/26/2019 50-52
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,1,2,2-Tetrachloroethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,1,2-Trichloroethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,1-Dichloroethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,1-Dichloroethene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,2,4-Trichlorobenzene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,2-Dibromo-3-chloropropane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,2-Dibromoethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,2-Dichlorobenzene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,2-Dichloroethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,2-Dichloropropane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,3-Dichlorobenzene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
1,4-Dichlorobenzene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
2-Butanone (MEK)		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
4-Methyl-2-Pentanone		< 0.0785	< 0.0873	< 0.0670	< 0.0875	**0.0419 J**	< 0.0680
Acetone		< 0.0785	< 0.0873	< 0.0670	**0.0602 J**	**0.0428 J**	< 0.0680
Benzene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	**0.0172 J**	< 0.0680
Bromodichloromethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Bromoform		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Bromomethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Carbon Disulfide		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Carbon Tetrachloride		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
CFC-11		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
CFC-12		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nG-9-19 REP032619MM1 3/26/2019 44-46	nH-9-19 NH-9-19 (42-44) 3/26/2019 42-44	nH-9-19 NH-9-19 (44-46) 3/26/2019 44-46	nH-9-19 NH-9-19 (46-48) 3/26/2019 46-48	nH-9-19 NH-9-19 (48-50) 3/26/2019 48-50	nH-9-19 NH-9-19 (50-52) 3/26/2019 50-52
VOCs (mg/kg)							
Chlorobenzene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Chlorodibromomethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Chloroethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Chloroform		< 0.0785	< 0.0873	< 0.0670	< 0.0875	**0.0661 J**	< 0.0680
Chloromethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
cis-1,2-Dichloroethene		**1.07**	**0.357**	**0.0684**	**5.78**	**11.5**	**0.269**
cis-1,3-Dichloropropene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Cyclohexane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Dichloromethane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Ethylbenzene		**0.121**	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Isopropylbenzene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
m&p-Xylenes		**0.673**	**0.118 J**	< 0.134	< 0.175	< 0.151	< 0.136
Methyl Acetate		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Methylcyclohexane		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Methyl-tert-butylether		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
o-Xylene		**0.361**	**0.0582 J**	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Styrene (Monomer)		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Tetrachloroethene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Toluene		**1.37**	< 0.0873	< 0.0670	**3.05**	**0.205**	< 0.0680
trans-1,2-Dichloroethene		< 0.0785	< 0.0873	< 0.0670	**0.0584 J**	**0.0504 J**	< 0.0680
trans-1,3-Dichloropropene		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Trichloroethene		**4.5**	**1.83**	**0.57**	**45.7**	**13.8**	**0.16**
Vinyl chloride		< 0.0785	< 0.0873	< 0.0670	< 0.0875	< 0.0755	< 0.0680
Total VOCs		**8.1**	**2.4**	**0.64**	**55**	**26**	**0.43**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nH-9-19 / NH-9-19 (52-54) / 3/26/2019 / 52-54	nI-8-19 / NI-8-19 (42-44) / 3/27/2019 / 42-44	nI-8-19 / NI-8-19 (44-46) / 3/27/2019 / 44-46	nI-8-19 / NI-8-19 (46-48) / 3/27/2019 / 46-48	nI-8-19 / NI-8-19 (48-50) / 3/27/2019 / 48-50	nI-8-19 / NI-8-19 (50-52) / 3/27/2019 / 50-52
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,1,2,2-Tetrachloroethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,1,2-Trichloroethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,1-Dichloroethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,1-Dichloroethene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,2,4-Trichlorobenzene		< 0.00081	**0.00053 J**	**0.0418 J**	**0.0370 J**	**0.0519 J**	**0.00063 J**
1,2-Dibromo-3-chloropropane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,2-Dibromoethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,2-Dichlorobenzene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,2-Dichloroethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,2-Dichloropropane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,3-Dichlorobenzene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
1,4-Dichlorobenzene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
2-Butanone (MEK)		**0.0014**	< 0.00076	< 0.0739	< 0.0577	< 0.0621	**0.00065 J**
4-Methyl-2-Pentanone		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Acetone		**0.0011**	**0.0024**	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Benzene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Bromodichloromethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Bromoform		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Bromomethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Carbon Disulfide		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Carbon Tetrachloride		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
CFC-11		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
CFC-12		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nH-9-19 NH-9-19 (52-54) 3/26/2019 52-54	nI-8-19 NI-8-19 (42-44) 3/27/2019 42-44	nI-8-19 NI-8-19 (44-46) 3/27/2019 44-46	nI-8-19 NI-8-19 (46-48) 3/27/2019 46-48	nI-8-19 NI-8-19 (48-50) 3/27/2019 48-50	nI-8-19 NI-8-19 (50-52) 3/27/2019 50-52
VOCs (mg/kg)							
Chlorobenzene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Chlorodibromomethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Chloroethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Chloroform		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Chloromethane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
cis-1,2-Dichloroethene		**0.0022**	**0.0011**	**0.503**	**0.373**	**0.204**	**0.0055**
cis-1,3-Dichloropropene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Cyclohexane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Dichloromethane		**0.0013**	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Ethylbenzene		< 0.00081	< 0.00076	**0.0453 J**	< 0.0577	< 0.0621	< 0.00096
Isopropylbenzene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
m&p-Xylenes		< 0.0016	< 0.0015	**0.324**	**0.0741 J**	< 0.124	< 0.0019
Methyl Acetate		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Methyl N-Butyl Ketone (2-Hexanone)		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Methylcyclohexane		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Methyl-tert-butylether		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
o-Xylene		< 0.00081	< 0.00076	**0.16**	**0.0417 J**	< 0.0621	< 0.00096
Styrene (Monomer)		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Tetrachloroethene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Toluene		< 0.00081	**0.0016**	**1.02**	**0.604**	< 0.0621	**0.0040**
trans-1,2-Dichloroethene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
trans-1,3-Dichloropropene		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Trichloroethene		**0.0020**	**0.0042**	**3.97**	**2.21**	**0.628**	**0.0287**
Vinyl chloride		< 0.00081	< 0.00076	< 0.0739	< 0.0577	< 0.0621	< 0.00096
Total VOCs		**0.0080**	**0.0098**	**6.1**	**3.3**	**0.88**	**0.039**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nI-8-19 NI-8-19 (52-54) 3/27/2019 52-54	nG-10-19 NG-10-19 (42-44) 3/29/2019 42-44	nG-10-19 NG-10-19 (46-48) 3/29/2019 46-48	nG-10-19 NG-10-19 (48-50) 3/29/2019 48-50	nG-10-19 NG-10-19 (50-52) 3/29/2019 50-52	nG-10-19 NG-10-19 (52-56) 3/29/2019 52-56
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,1,2,2-Tetrachloroethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,1,2-Trichloroethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,1-Dichloroethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,1-Dichloroethene		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,2,4-Trichlorobenzene		**0.066**	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,2-Dibromo-3-chloropropane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,2-Dibromoethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,2-Dichlorobenzene		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,2-Dichloroethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,2-Dichloropropane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,3-Dichlorobenzene		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
1,4-Dichlorobenzene		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
2-Butanone (MEK)		< 0.0568	< 0.00090	< 0.0016	< 0.0029	**0.0022**	< 0.0020
4-Methyl-2-Pentanone		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Acetone		**0.0320 J**	< 0.00090	< 0.0016	< 0.0029	**0.0079**	< 0.0020
Benzene		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Bromodichloromethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Bromoform		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Bromomethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Carbon Disulfide		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Carbon Tetrachloride		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
CFC-11		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
CFC-12		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nI-8-19 NI-8-19 (52-54) 3/27/2019 52-54	nG-10-19 NG-10-19 (42-44) 3/29/2019 42-44	nG-10-19 NG-10-19 (46-48) 3/29/2019 46-48	nG-10-19 NG-10-19 (48-50) 3/29/2019 48-50	nG-10-19 NG-10-19 (50-52) 3/29/2019 50-52	nG-10-19 NG-10-19 (52-56) 3/29/2019 52-56
VOCs (mg/kg)							
Chlorobenzene		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Chlorodibromomethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Chloroethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Chloroform		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Chloromethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
cis-1,2-Dichloroethene		**0.116**	< 0.00090	**0.0369**	**0.0825**	**0.0064**	**0.0351**
cis-1,3-Dichloropropene		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Cyclohexane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Dichloromethane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Ethylbenzene		< 0.0568	< 0.00090	**0.0043**	< 0.0029	< 0.0019	< 0.0020
Isopropylbenzene		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
m&p-Xylenes		**0.113 J**	< 0.0018	**0.0408**	< 0.0058	< 0.0039	< 0.0040
Methyl Acetate		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Methylcyclohexane		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Methyl-tert-butylether		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
o-Xylene		**0.0577**	< 0.00090	**0.0230**	< 0.0029	< 0.0019	< 0.0020
Styrene (Monomer)		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Tetrachloroethene		< 0.0568	< 0.00090	**0.0012 J**	< 0.0029	< 0.0019	< 0.0020
Toluene		**0.506**	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
trans-1,2-Dichloroethene		< 0.0568	< 0.00090	< 0.0016	**0.0024 J**	< 0.0019	< 0.0020
trans-1,3-Dichloropropene		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Trichloroethene		**1.4**	**0.00088 J**	**0.0946**	**0.0905**	**0.0162**	**0.0302**
Vinyl chloride		< 0.0568	< 0.00090	< 0.0016	< 0.0029	< 0.0019	< 0.0020
Total VOCs		**2.3**	**0.00088**	**0.20**	**0.17**	**0.032**	**0.065**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nI-10-19 NI-10-19 (42-44) 3/29/2019 42-44	nI-10-19 NI-10-19 (46-48) 3/29/2019 46-48	nI-10-19 NI-10-19 (50-52) 3/29/2019 50-52	nI-10-19 NI-10-19 (52-54) 3/29/2019 52-54	nI-9-19 NI-9-19 (42-44) 4/1/2019 42-44	nI-9-19 NI-9-19 (44-46) 4/1/2019 44-46
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,1,2,2-Tetrachloroethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,1,2-Trichloroethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,1-Dichloroethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,1-Dichloroethene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,2,4-Trichlorobenzene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,2-Dibromo-3-chloropropane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,2-Dibromoethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,2-Dichlorobenzene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,2-Dichloroethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,2-Dichloropropane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,3-Dichlorobenzene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
1,4-Dichlorobenzene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
2-Butanone (MEK)		**0.0043**	< 0.0015	< 0.0019	**0.0013**	< 0.0024	**0.0023**
4-Methyl-2-Pentanone		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Acetone		**0.0182**	< 0.0015	**0.0108**	**0.0043**	**0.0026**	**0.009**
Benzene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Bromodichloromethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Bromoform		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Bromomethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Carbon Disulfide		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Carbon Tetrachloride		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
CFC-11		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
CFC-12		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nI-10-19 NI-10-19 (42-44) 3/29/2019 42-44	nI-10-19 NI-10-19 (46-48) 3/29/2019 46-48	nI-10-19 NI-10-19 (50-52) 3/29/2019 50-52	nI-10-19 NI-10-19 (52-54) 3/29/2019 52-54	nI-9-19 NI-9-19 (42-44) 4/1/2019 42-44	nI-9-19 NI-9-19 (44-46) 4/1/2019 44-46
VOCs (mg/kg)							
Chlorobenzene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Chlorodibromomethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Chloroethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Chloroform		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Chloromethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
cis-1,2-Dichloroethene		< 0.0014	**0.0461**	**0.0097**	< 0.0012	< 0.0024	< 0.00063
cis-1,3-Dichloropropene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Cyclohexane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Dichloromethane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Ethylbenzene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Isopropylbenzene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
m&p-Xylenes		< 0.0028	< 0.0030	**0.0022 J**	< 0.0024	< 0.0047	< 0.0013
Methyl Acetate		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Methylcyclohexane		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Methyl-tert-butylether		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
o-Xylene		< 0.0014	< 0.0015	**0.0013 J**	< 0.0012	< 0.0024	< 0.00063
Styrene (Monomer)		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Tetrachloroethene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Toluene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
trans-1,2-Dichloroethene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
trans-1,3-Dichloropropene		< 0.0014	< 0.0015	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Trichloroethene		< 0.0014	**0.0563**	**0.0132**	< 0.0012	< 0.0024	< 0.00063
Vinyl chloride		< 0.0014	**0.0016**	< 0.0019	< 0.0012	< 0.0024	< 0.00063
Total VOCs		**0.022**	**0.10**	**0.037**	**0.0056**	**0.0026**	**0.011**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nI-9-19 NI-9-19 (46-48) 4/1/2019 46-48	nI-9-19 NI-9-19 (48-50) 4/1/2019 48-50	nI-9-19 NI-9-19 (50-52) 4/1/2019 50-52	nI-9-19 NI-9-19 (52-54) 4/1/2019 52-54	nF-10-19 NF-10-19 (42-44) 4/2/2019 42-44	nF-10-19 NF-10-19 (44-46) 4/2/2019 44-46
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,1,2,2-Tetrachloroethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,1,2-Trichloroethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,1-Dichloroethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,1-Dichloroethene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,2,4-Trichlorobenzene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,2-Dibromo-3-chloropropane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,2-Dibromoethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,2-Dichlorobenzene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,2-Dichloroethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,2-Dichloropropane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,3-Dichlorobenzene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
1,4-Dichlorobenzene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
2-Butanone (MEK)		< 0.00069	< 0.00089	**0.0013**	**0.0016**	< 0.0018	**0.0015 J**
4-Methyl-2-Pentanone		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Acetone		< 0.00069	**0.0022**	**0.0058**	**0.0026**	**0.0098**	**0.0075**
Benzene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Bromodichloromethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Bromoform		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Bromomethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Carbon Disulfide		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	**0.0018**
Carbon Tetrachloride		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
CFC-11		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
CFC-12		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nI-9-19 NI-9-19 (46-48) 4/1/2019 46-48	nI-9-19 NI-9-19 (48-50) 4/1/2019 48-50	nI-9-19 NI-9-19 (50-52) 4/1/2019 50-52	nI-9-19 NI-9-19 (52-54) 4/1/2019 52-54	nF-10-19 NF-10-19 (42-44) 4/2/2019 42-44	nF-10-19 NF-10-19 (44-46) 4/2/2019 44-46
VOCs (mg/kg)							
Chlorobenzene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Chlorodibromomethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Chloroethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Chloroform		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Chloromethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
cis-1,2-Dichloroethene		**0.0057**	**0.0129**	**0.0030**	< 0.0012	< 0.0018	< 0.0018
cis-1,3-Dichloropropene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Cyclohexane		**0.00070**	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Dichloromethane		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Ethylbenzene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Isopropylbenzene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
m&p-Xylenes		< 0.0014	< 0.0018	< 0.0018	< 0.0024	< 0.0036	< 0.0035
Methyl Acetate		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Methyl N-Butyl Ketone (2-Hexanone)		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Methylcyclohexane		**0.0045**	**0.00051 J**	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Methyl-tert-butylether		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
o-Xylene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Styrene (Monomer)		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Tetrachloroethene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Toluene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
trans-1,2-Dichloroethene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
trans-1,3-Dichloropropene		< 0.00069	< 0.00089	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Trichloroethene		**0.0023**	**0.0085**	**0.0088**	**0.00096 J**	< 0.0018	< 0.0018
Vinyl chloride		**0.0037**	**0.0011**	< 0.00092	< 0.0012	< 0.0018	< 0.0018
Total VOCs		**0.017**	**0.025**	**0.019**	**0.0052**	**0.0098**	**0.011**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-10-19 NF-10-19 (46-48) 4/2/2019 46-48	nF-10-19 NF-10-19 (48-50) 4/2/2019 48-50	nF-10-19 NF-10-19 (50-52) 4/2/2019 50-52	nF-10-19 NF-10-19 (52-54) 4/2/2019 52-54	nF-10-19 REP040219MM1 4/2/2019 48-50	nF-9-19 NF-9-19 (42-44) 4/3/2019 42-44
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,1,2,2-Tetrachloroethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,1,2-Trichloroethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,1-Dichloroethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,1-Dichloroethene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,2,4-Trichlorobenzene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,2-Dibromo-3-chloropropane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,2-Dibromoethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,2-Dichlorobenzene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,2-Dichloroethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,2-Dichloropropane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,3-Dichlorobenzene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
1,4-Dichlorobenzene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
2-Butanone (MEK)		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
4-Methyl-2-Pentanone		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Acetone		< 0.0018	**0.0028**	**0.0027**	**0.0056**	**0.0047**	**0.0045**
Benzene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Bromodichloromethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Bromoform		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Bromomethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Carbon Disulfide		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Carbon Tetrachloride		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
CFC-11		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
CFC-12		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-10-19 NF-10-19 (46-48) 4/2/2019 46-48	nF-10-19 NF-10-19 (48-50) 4/2/2019 48-50	nF-10-19 NF-10-19 (50-52) 4/2/2019 50-52	nF-10-19 NF-10-19 (52-54) 4/2/2019 52-54	nF-10-19 REP040219MM1 4/2/2019 48-50	nF-9-19 NF-9-19 (42-44) 4/3/2019 42-44
VOCs (mg/kg)							
Chlorobenzene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Chlorodibromomethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Chloroethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Chloroform		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Chloromethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
cis-1,2-Dichloroethene		**0.0017 J**	**0.0040**	**0.0054**	**0.0025**	**0.0033**	**0.018**
cis-1,3-Dichloropropene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Cyclohexane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Dichloromethane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Ethylbenzene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Isopropylbenzene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
m&p-Xylenes		< 0.0035	< 0.0038	< 0.0036	< 0.0037	< 0.0036	< 0.0036
Methyl Acetate		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Methylcyclohexane		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Methyl-tert-butylether		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
o-Xylene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Styrene (Monomer)		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Tetrachloroethene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Toluene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
trans-1,2-Dichloroethene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
trans-1,3-Dichloropropene		< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0018
Trichloroethene		< 0.0018	**0.0021**	**0.0040**	**0.0019**	**0.0021**	**0.0055**
Vinyl chloride		**0.0025**	< 0.0019	< 0.0018	< 0.0018	< 0.0018	**0.0044**
Total VOCs		**0.0042**	**0.0089**	**0.012**	**0.010**	**0.010**	**0.032**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-9-19 / NF-9-19 (44-46) / 4/3/2019 / 44-46	nF-9-19 / NF-9-19 (46-48) / 4/3/2019 / 46-48	nF-9-19 / NF-9-19 (48-50) / 4/3/2019 / 48-50	nF-9-19 / NF-9-19 (50-52) / 4/3/2019 / 50-52	nF-9-19 / NF-9-19 (52-54) / 4/3/2019 / 52-54	nS-6-19 / NS-6-19 (34-36) / 5/14/2019 / 34-36
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,1,2,2-Tetrachloroethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,1,2-Trichloroethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,1-Dichloroethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,1-Dichloroethene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,2,4-Trichlorobenzene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,2-Dibromo-3-chloropropane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,2-Dibromoethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,2-Dichlorobenzene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,2-Dichloroethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,2-Dichloropropane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,3-Dichlorobenzene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
1,4-Dichlorobenzene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
2-Butanone (MEK)		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
4-Methyl-2-Pentanone		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Acetone		**0.0024**	< 0.0019	< 0.0018	< 0.0019	**0.0040**	**0.0014 J**
Benzene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Bromodichloromethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Bromoform		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Bromomethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Carbon Disulfide		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Carbon Tetrachloride		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
CFC-11		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
CFC-12		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nF-9-19 / NF-9-19 (44-46) / 4/3/2019 / 44-46	nF-9-19 / NF-9-19 (46-48) / 4/3/2019 / 46-48	nF-9-19 / NF-9-19 (48-50) / 4/3/2019 / 48-50	nF-9-19 / NF-9-19 (50-52) / 4/3/2019 / 50-52	nF-9-19 / NF-9-19 (52-54) / 4/3/2019 / 52-54	nS-6-19 / NS-6-19 (34-36) / 5/14/2019 / 34-36
VOCs (mg/kg)							
Chlorobenzene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Chlorodibromomethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Chloroethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Chloroform		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Chloromethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
cis-1,2-Dichloroethene		**0.0108**	< 0.0019	**0.0054**	**0.0040**	< 0.0022	< 0.00072
cis-1,3-Dichloropropene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Cyclohexane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Dichloromethane		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Ethylbenzene		**0.0020**	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Isopropylbenzene		**0.0014 J**	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
m&p-Xylenes		**0.0056**	< 0.0039	< 0.0036	< 0.0039	< 0.0045	< 0.0014
Methyl Acetate		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072 J
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Methylcyclohexane		**0.0011 J**	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Methyl-tert-butylether		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
o-Xylene		**0.0049**	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Styrene (Monomer)		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Tetrachloroethene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Toluene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
trans-1,2-Dichloroethene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
trans-1,3-Dichloropropene		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Trichloroethene		**0.0083**	< 0.0019	**0.00099 J**	< 0.0019	< 0.0022	**0.00071 J**
Vinyl chloride		< 0.0019	< 0.0019	< 0.0018	< 0.0019	< 0.0022	< 0.00072
Total VOCs		**0.037**	0	**0.0064**	**0.0040**	**0.0040**	**0.0021**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nS-6-19 / NS-6-19 (36-38) / 5/14/2019 / 36-38	nS-6-19 / NS-6-19 (38-40) / 5/14/2019 / 38-40	nS-6-19 / NS-6-19 (40-42) / 5/14/2019 / 40-42	nS-6-19 / NS-6-19 (42-44) / 5/14/2019 / 42-44	nS-6-19 / NS-6-19 (44-46) / 5/14/2019 / 44-46	nS-6-19 / NS-6-19 (46-48) / 5/14/2019 / 46-48
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,1,2,2-Tetrachloroethane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,1,2-Trichloroethane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,1-Dichloroethane		**0.0815 J**	**0.00096 J**	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,1-Dichloroethene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,2,4-Trichlorobenzene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,2-Dibromo-3-chloropropane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,2-Dibromoethane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,2-Dichlorobenzene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,2-Dichloroethane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,2-Dichloropropane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,3-Dichlorobenzene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
1,4-Dichlorobenzene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
2-Butanone (MEK)		< 0.134	< 0.0011	< 0.0017	< 0.0017	**0.0063**	**0.002**
4-Methyl-2-Pentanone		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Acetone		< 0.134 J	< 0.0011	< 0.0017	**0.0123 J**	**0.0321 J**	**0.022 J**
Benzene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Bromodichloromethane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Bromoform		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Bromomethane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Carbon Disulfide		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Carbon Tetrachloride		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
CFC-11		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
CFC-12		< 0.134	< 0.0011	< 0.0017 J	< 0.0017 J	< 0.0019 J	< 0.0019 J

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nS-6-19 / NS-6-19 (36-38) / 5/14/2019 / 36-38	nS-6-19 / NS-6-19 (38-40) / 5/14/2019 / 38-40	nS-6-19 / NS-6-19 (40-42) / 5/14/2019 / 40-42	nS-6-19 / NS-6-19 (42-44) / 5/14/2019 / 42-44	nS-6-19 / NS-6-19 (44-46) / 5/14/2019 / 44-46	nS-6-19 / NS-6-19 (46-48) / 5/14/2019 / 46-48
VOCs (mg/kg)							
Chlorobenzene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Chlorodibromomethane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Chloroethane		< 0.134 J	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Chloroform		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Chloromethane		< 0.134	< 0.0011	< 0.0017 J	< 0.0017 J	< 0.0019 J	< 0.0019 J
cis-1,2-Dichloroethene		**5.52**	**0.0187**	**0.0113**	**0.0133**	**0.0071**	**0.0049**
cis-1,3-Dichloropropene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Cyclohexane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Dichloromethane		< 0.134	**0.0025**	**0.0022**	**0.0021**	**0.0025**	**0.0024**
Ethylbenzene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Isopropylbenzene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
m&p-Xylenes		< 0.267	< 0.0022	< 0.0033	< 0.0033	< 0.0039	< 0.0038
Methyl Acetate		< 0.134	< 0.0011 J	< 0.0017 J	< 0.0017 J	< 0.0019 J	< 0.0019 J
Methyl N-Butyl Ketone (2-Hexanone)		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Methylcyclohexane		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Methyl-tert-butylether		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
o-Xylene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Styrene (Monomer)		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Tetrachloroethene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Toluene		**1.65**	< 0.0011	< 0.0017	**0.0013 J**	**0.0023**	< 0.0019
trans-1,2-Dichloroethene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
trans-1,3-Dichloropropene		< 0.134	< 0.0011	< 0.0017	< 0.0017	< 0.0019	< 0.0019
Trichloroethene		**57.4 D**	**0.0831**	**0.0613**	**0.118**	**0.0513**	**0.0332**
Vinyl chloride		< 0.134	< 0.0011	< 0.0017 J	< 0.0017 J	< 0.0019 J	< 0.0019 J
Total VOCs		**65**	**0.11**	**0.080**	**0.15**	**0.10**	**0.070**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nS-6-19 / NS-6-19 (48-50) / 5/14/2019 / 48-50	nS-6-19 / NS-6-19 (50-52) / 5/14/2019 / 50-52	nS-6-19 / REP051419ALH1 / 5/14/2019 / 50-52	nR-6-19 / NR-6-19 (34-36) / 5/15/2019 / 34-36	nR-6-19 / NR-6-19 (36-38) / 5/15/2019 / 36-38	nR-6-19 / NR-6-19 (38-40) / 5/15/2019 / 38-40
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,1,2,2-Tetrachloroethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,1,2-Trichloroethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,1-Dichloroethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,1-Dichloroethene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,2,4-Trichlorobenzene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,2-Dibromo-3-chloropropane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,2-Dibromoethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,2-Dichlorobenzene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,2-Dichloroethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,2-Dichloropropane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,3-Dichlorobenzene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
1,4-Dichlorobenzene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
2-Butanone (MEK)		< 0.0019	< 0.0022	< 0.0022	< 0.0017	**0.0649 J**	< 0.002
4-Methyl-2-Pentanone		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Acetone		**0.0153 J**	**0.0111 J**	**0.0071 J**	**0.0022**	**0.0705 J**	**0.0121**
Benzene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Bromodichloromethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Bromoform		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Bromomethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Carbon Disulfide		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Carbon Tetrachloride		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
CFC-11		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
CFC-12		< 0.0019 J	< 0.0022 J	< 0.0022	< 0.0017	< 0.126	< 0.002

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nS-6-19 / NS-6-19 (48-50) / 5/14/2019 / 48-50	nS-6-19 / NS-6-19 (50-52) / 5/14/2019 / 50-52	nS-6-19 / REP051419ALH1 / 5/14/2019 / 50-52	nR-6-19 / NR-6-19 (34-36) / 5/15/2019 / 34-36	nR-6-19 / NR-6-19 (36-38) / 5/15/2019 / 36-38	nR-6-19 / NR-6-19 (38-40) / 5/15/2019 / 38-40
VOCs (mg/kg)							
Chlorobenzene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Chlorodibromomethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Chloroethane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Chloroform		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Chloromethane		< 0.0019 J	< 0.0022 J	< 0.0022	< 0.0017	< 0.126	< 0.002
cis-1,2-Dichloroethene		**0.0022**	**0.002 J**	**0.0032**	< 0.0017	**0.0692 J**	< 0.002
cis-1,3-Dichloropropene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Cyclohexane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Dichloromethane		**0.0033**	**0.004**	**0.0054**	< 0.0017	< 0.126	< 0.002
Ethylbenzene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Isopropylbenzene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
m&p-Xylenes		< 0.0038	< 0.0043	< 0.0045	< 0.0035	< 0.252	< 0.004
Methyl Acetate		< 0.0019 J	< 0.0022 J	< 0.0022 J	< 0.0017	< 0.126	< 0.002
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Methylcyclohexane		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Methyl-tert-butylether		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
o-Xylene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Styrene (Monomer)		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Tetrachloroethene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Toluene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
trans-1,2-Dichloroethene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
trans-1,3-Dichloropropene		< 0.0019	< 0.0022	< 0.0022	< 0.0017	< 0.126	< 0.002
Trichloroethene		**0.0174**	**0.0134**	**0.0221**	< 0.0017	**0.552**	**0.002**
Vinyl chloride		< 0.0019 J	< 0.0022 J	< 0.0022	< 0.0017	< 0.126	< 0.002
Total VOCs		**0.078**	**0.030**	**0.038**	**0.0022**	**0.76**	**0.014**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nR-6-19 NR-6-19 (40-42) 5/15/2019 40-42	nR-6-19 NR-6-19 (42-44) 5/15/2019 42-44	nR-6-19 NR-6-19 (44-46) 5/15/2019 44-46	nR-6-19 NR-6-19 (46-48) 5/15/2019 46-48	nR-6-19 NR-6-19 (48-50) 5/15/2019 48-50	nR-6-19 NR-6-19 (50-52) 5/15/2019 50-52
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,1,2,2-Tetrachloroethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,1,2-Trichloroethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,1-Dichloroethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,1-Dichloroethene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,2,4-Trichlorobenzene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,2-Dibromo-3-chloropropane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,2-Dibromoethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,2-Dichlorobenzene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,2-Dichloroethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,2-Dichloropropane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,3-Dichlorobenzene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
1,4-Dichlorobenzene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
2-Butanone (MEK)		< 0.0019	**0.0018**	< 0.0021	**0.0035**	**0.0022**	< 0.0023
4-Methyl-2-Pentanone		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Acetone		**0.0266**	**0.0067**	**0.0037**	**0.014**	**0.0083**	**0.0085**
Benzene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Bromodichloromethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Bromoform		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Bromomethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Carbon Disulfide		< 0.0019	< 0.0017	< 0.0021	**0.0012 J**	< 0.0019	< 0.0023
Carbon Tetrachloride		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
CFC-11		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
CFC-12		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nR-6-19 NR-6-19 (40-42) 5/15/2019 40-42	nR-6-19 NR-6-19 (42-44) 5/15/2019 42-44	nR-6-19 NR-6-19 (44-46) 5/15/2019 44-46	nR-6-19 NR-6-19 (46-48) 5/15/2019 46-48	nR-6-19 NR-6-19 (48-50) 5/15/2019 48-50	nR-6-19 NR-6-19 (50-52) 5/15/2019 50-52
VOCs (mg/kg)							
Chlorobenzene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Chlorodibromomethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Chloroethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Chloroform		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Chloromethane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
cis-1,2-Dichloroethene		< 0.0019	< 0.0017	**0.0059**	**0.0019 J**	< 0.0019	**0.0044**
cis-1,3-Dichloropropene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Cyclohexane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Dichloromethane		**0.002**	**0.0029**	< 0.0021	< 0.0023	**0.005**	**0.0041**
Ethylbenzene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Isopropylbenzene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
m&p-Xylenes		< 0.0038	< 0.0033	< 0.0043	< 0.0046	< 0.0039	< 0.0045
Methyl Acetate		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Methylcyclohexane		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Methyl-tert-butylether		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
o-Xylene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Styrene (Monomer)		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Tetrachloroethene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Toluene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
trans-1,2-Dichloroethene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
trans-1,3-Dichloropropene		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Trichloroethene		**0.0033**	< 0.0017	**0.0983**	**0.0109**	**0.0017 J**	**0.0913**
Vinyl chloride		< 0.0019	< 0.0017	< 0.0021	< 0.0023	< 0.0019	< 0.0023
Total VOCs		**0.029**	**0.011**	**0.10**	**0.035**	**0.017**	**0.10**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	R-6-19 / R-6-19 (36-38) / 5/8/2019 / 36-38	R-6-19 / R-6-19 (38-40) / 5/8/2019 / 38-40	R-6-19 / R-6-19 (40-42) / 5/8/2019 / 40-42	R-6-19 / R-6-19 (42-44) / 5/8/2019 / 42-44	R-6-19 / R-6-19 (44-46) / 5/8/2019 / 44-46	R-6-19 / R-6-19 (46-48) / 5/8/2019 / 46-48
VOCs (mg/kg)							
1,1,1-Trichloroethane		<0.472	<0.229	**0.0032**	< 0.0022	< 0.002	< 0.002
1,1,2,2-Tetrachloroethane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
1,1,2-trichloro-1,2,2-trifluoroethane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
1,1,2-Trichloroethane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
1,1-Dichloroethane		<0.472	<0.229	**0.0098**	**0.0021 J**	< 0.002	< 0.002
1,1-Dichloroethene		<0.472	<0.229	**0.0019**	< 0.0022	< 0.002	< 0.002
1,2,4-Trichlorobenzene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
1,2-Dibromo-3-chloropropane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
1,2-Dibromoethane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
1,2-Dichlorobenzene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
1,2-Dichloroethane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
1,2-Dichloropropane		<0.472	<0.229	**0.0045**	< 0.0022	< 0.002	< 0.002
1,3-Dichlorobenzene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
1,4-Dichlorobenzene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
2-Butanone (MEK)		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
4-Methyl-2-Pentanone		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Acetone		<0.472	<0.229	**0.0017 J**	< 0.0022	**0.0024 J**	< 0.002
Benzene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Bromodichloromethane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Bromoform		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Bromomethane		<0.472J	<0.229J	< 0.0018	< 0.0022	< 0.002	< 0.002
Carbon Disulfide		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Carbon Tetrachloride		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
CFC-11		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
CFC-12		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	R-6-19 / R-6-19 (36-38) / 5/8/2019 / 36-38	R-6-19 / R-6-19 (38-40) / 5/8/2019 / 38-40	R-6-19 / R-6-19 (40-42) / 5/8/2019 / 40-42	R-6-19 / R-6-19 (42-44) / 5/8/2019 / 42-44	R-6-19 / R-6-19 (44-46) / 5/8/2019 / 44-46	R-6-19 / R-6-19 (46-48) / 5/8/2019 / 46-48
VOCs (mg/kg)							
Chlorobenzene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Chlorodibromomethane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Chloroethane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Chloroform		<0.472	<0.229	**0.0012 J**	< 0.0022	< 0.002	< 0.002
Chloromethane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
cis-1,2-Dichloroethene		**7.34**	**7.12J**	**0.173**	**0.0391**	**0.0034**	**0.0034**
cis-1,3-Dichloropropene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Cyclohexane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Dichloromethane		<0.472	<0.229	**0.0137**	**0.0058**	**0.002**	**0.0019 J**
Ethylbenzene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Isopropylbenzene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
m&p-Xylenes		<0.943	< 0.459	< 0.0037	< 0.0043	< 0.004	< 0.004
Methyl Acetate		<0.472	<0.229	< 0.0018 J	< 0.0022 J	< 0.002 J	< 0.002 J
Methyl N-Butyl Ketone (2-Hexanone)		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Methylcyclohexane		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Methyl-tert-butylether		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
o-Xylene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Styrene (Monomer)		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Tetrachloroethene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Toluene		<0.472	<0.229	**0.00098 J**	< 0.0022	< 0.002	< 0.002
trans-1,2-Dichloroethene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
trans-1,3-Dichloropropene		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Trichloroethene		**104 D**	**16.9 J**	**0.144**	**0.0916**	**0.0118**	**0.0067**
Vinyl chloride		<0.472	<0.229	< 0.0018	< 0.0022	< 0.002	< 0.002
Total VOCs		**110**	**24**	**0.35**	**0.14**	**0.020**	**0.010**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	R-6-19 / R-6-19 (48-50) / 5/8/2019 / 48-50	R-6-19 / R-6-19 (50-52) / 5/8/2019 / 50-52	nQ-6-19 / NQ-6-19 (36-38) / 5/9/2019 / 36-38	nQ-6-19 / REP050919MM1 / 5/9/2019 / 36-38	nQ-6-19 / NQ-6-19 (38-40) / 5/9/2019 / 38-40	nQ-6-19 / NQ-6-19 (40-42) / 5/9/2019 / 40-42
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,1,2,2-Tetrachloroethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,1,2-Trichloroethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,1-Dichloroethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,1-Dichloroethene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,2,4-Trichlorobenzene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,2-Dibromo-3-chloropropane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,2-Dibromoethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,2-Dichlorobenzene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,2-Dichloroethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,2-Dichloropropane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,3-Dichlorobenzene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
1,4-Dichlorobenzene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
2-Butanone (MEK)		< 0.0022	**0.0247 J**	**0.0013 J**	< 0.002	< 0.0017	< 0.0019
4-Methyl-2-Pentanone		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Acetone		**0.0028 J**	**0.0351 J**	**0.0181**	**0.0099**	**0.0092**	**0.0023**
Benzene		< 0.0022	**0.0039**	< 0.002	< 0.002	< 0.0017	< 0.0019
Bromodichloromethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Bromoform		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Bromomethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Carbon Disulfide		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Carbon Tetrachloride		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
CFC-11		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
CFC-12		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	R-6-19 / R-6-19 (48-50) / 5/8/2019 / 48-50	R-6-19 / R-6-19 (50-52) / 5/8/2019 / 50-52	nQ-6-19 / NQ-6-19 (36-38) / 5/9/2019 / 36-38	nQ-6-19 / REP050919MM1 / 5/9/2019 / 36-38	nQ-6-19 / NQ-6-19 (38-40) / 5/9/2019 / 38-40	nQ-6-19 / NQ-6-19 (40-42) / 5/9/2019 / 40-42
VOCs (mg/kg)							
Chlorobenzene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Chlorodibromomethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Chloroethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Chloroform		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Chloromethane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
cis-1,2-Dichloroethene		< 0.0022	**0.0084**	< 0.002	< 0.002	< 0.0017	< 0.0019
cis-1,3-Dichloropropene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Cyclohexane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Dichloromethane		< 0.0022	**0.0031**	**0.0027**	**0.0019 J**	< 0.0017	**0.0025**
Ethylbenzene		< 0.0022	**0.0017 J**	< 0.002	< 0.002	< 0.0017	< 0.0019
Isopropylbenzene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
m&p-Xylenes		< 0.0045	< 0.0035	< 0.004	< 0.0039	< 0.0034	< 0.0039
Methyl Acetate		< 0.0022 J	< 0.0018 J	< 0.002	< 0.002	< 0.0017	< 0.0019
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0022	**0.009**	< 0.002	< 0.002	< 0.0017	< 0.0019
Methylcyclohexane		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Methyl-tert-butylether		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
o-Xylene		< 0.0022	**0.0018**	< 0.002	< 0.002	< 0.0017	< 0.0019
Styrene (Monomer)		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Tetrachloroethene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Toluene		< 0.0022	**0.0056**	< 0.002	< 0.002	< 0.0017	< 0.0019
trans-1,2-Dichloroethene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
trans-1,3-Dichloropropene		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Trichloroethene		< 0.0022	**0.0065**	< 0.002	< 0.002	< 0.0017	< 0.0019
Vinyl chloride		< 0.0022	< 0.0018	< 0.002	< 0.002	< 0.0017	< 0.0019
Total VOCs		0	**0.091**	**0.033**	**0.045**	**0.0092**	**0.0048**

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Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nQ-6-19 NQ-6-19 (42-44) 5/9/2019 42-44	nQ-6-19 NQ-6-19 (44-46) 5/9/2019 44-46	nQ-6-19 NQ-6-19 (46-48) 5/9/2019 46-48	nQ-6-19 NQ-6-19 (48-50) 5/9/2019 48-50	nQ-6-19 NQ-6-19 (50-52) 5/9/2019 50-52	nT-11-19 NT-11-19 (40-42) 5/10/2019 40-42
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,1,2,2-Tetrachloroethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,1,2-Trichloroethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,1-Dichloroethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	**0.0012 J**
1,1-Dichloroethene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,2,4-Trichlorobenzene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,2-Dibromo-3-chloropropane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,2-Dibromoethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,2-Dichlorobenzene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,2-Dichloroethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,2-Dichloropropane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,3-Dichlorobenzene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
1,4-Dichlorobenzene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
2-Butanone (MEK)		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
4-Methyl-2-Pentanone		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Acetone		< 0.0018	**0.0037**	**0.0162**	**0.0066**	**0.0181**	**0.0106 J**
Benzene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Bromodichloromethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Bromoform		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Bromomethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Carbon Disulfide		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Carbon Tetrachloride		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
CFC-11		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
CFC-12		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017 J

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nQ-6-19 / NQ-6-19 (42-44) / 5/9/2019 / 42-44	nQ-6-19 / NQ-6-19 (44-46) / 5/9/2019 / 44-46	nQ-6-19 / NQ-6-19 (46-48) / 5/9/2019 / 46-48	nQ-6-19 / NQ-6-19 (48-50) / 5/9/2019 / 48-50	nQ-6-19 / NQ-6-19 (50-52) / 5/9/2019 / 50-52	nT-11-19 / NT-11-19 (40-42) / 5/10/2019 / 40-42
VOCs (mg/kg)							
Chlorobenzene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Chlorodibromomethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Chloroethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Chloroform		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Chloromethane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017 J
cis-1,2-Dichloroethene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	**0.114**
cis-1,3-Dichloropropene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Cyclohexane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Dichloromethane		< 0.0018	**0.0026**	**0.0024**	**0.0018**	**0.0021 J**	< 0.0017
Ethylbenzene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	**0.0014 J**
Isopropylbenzene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
m&p-Xylenes		< 0.0036	< 0.004	< 0.0043	< 0.0032	< 0.0041	**0.0043**
Methyl Acetate		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017 J
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Methylcyclohexane		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	**0.0089**
Methyl-tert-butylether		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
o-Xylene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	**0.0019**
Styrene (Monomer)		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Tetrachloroethene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Toluene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	**0.0355**
trans-1,2-Dichloroethene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
trans-1,3-Dichloropropene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	< 0.0017
Trichloroethene		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	**0.0264**
Vinyl chloride		< 0.0018	< 0.002	< 0.0021	< 0.0016	< 0.0021	**0.0122**
Total VOCs		0	**0.0063**	**0.018**	**0.026**	**0.020**	**0.22**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nT-11-19 / NT-11-19 (42-44) / 5/10/2019 / 42-44	nT-11-19 / NT-11-19 (44-46) / 5/10/2019 / 44-46	nT-11-19 / NT-11-19 (46-48) / 5/10/2019 / 46-48	nT-11-19 / NT-11-19 (48-50) / 5/10/2019 / 48-50	nT-11-19 / NT-11-19 (50-52) / 5/10/2019 / 50-52	nT-11-19 / NT-11-19 (52-54) / 5/10/2019 / 52-54
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,1,2,2-Tetrachloroethane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,1,2-Trichloroethane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,1-Dichloroethane		< 0.136	< 0.149	**0.554**	**0.0015 J**	< 0.0015	< 0.0019
1,1-Dichloroethene		< 0.136	< 0.149	**0.111 J**	< 0.0019	< 0.0015	< 0.0019
1,2,4-Trichlorobenzene		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,2-Dibromo-3-chloropropane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,2-Dibromoethane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,2-Dichlorobenzene		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,2-Dichloroethane		< 0.136	< 0.149	**0.158**	< 0.0019	< 0.0015	< 0.0019
1,2-Dichloropropane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,3-Dichlorobenzene		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
1,4-Dichlorobenzene		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
2-Butanone (MEK)		< 0.136	< 0.149	< 0.131	< 0.0019	**0.0016 J**	< 0.0019
4-Methyl-2-Pentanone		< 0.136	**0.21**	**1.34**	< 0.0019	< 0.0015	< 0.0019
Acetone		< 0.136	< 0.149	< 0.131	**0.0103 J**	**0.0094 J**	**0.0109 J**
Benzene		< 0.136	< 0.149	**0.0473 J**	< 0.0019	< 0.0015	< 0.0019
Bromodichloromethane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Bromoform		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Bromomethane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Carbon Disulfide		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Carbon Tetrachloride		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
CFC-11		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
CFC-12		< 0.136	< 0.149	< 0.131	< 0.0019 J	< 0.0015 J	< 0.0019 J

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nT-11-19 NT-11-19 (42-44) 5/10/2019 42-44	nT-11-19 NT-11-19 (44-46) 5/10/2019 44-46	nT-11-19 NT-11-19 (46-48) 5/10/2019 46-48	nT-11-19 NT-11-19 (48-50) 5/10/2019 48-50	nT-11-19 NT-11-19 (50-52) 5/10/2019 50-52	nT-11-19 NT-11-19 (52-54) 5/10/2019 52-54
VOCs (mg/kg)							
Chlorobenzene		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Chlorodibromomethane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Chloroethane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Chloroform		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Chloromethane		< 0.136	< 0.149	< 0.131	< 0.0019 J	< 0.0015 J	< 0.0019 J
cis-1,2-Dichloroethene		**2.3**	**13.5**	**114 D**	**0.132**	**0.0372**	**0.0487**
cis-1,3-Dichloropropene		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Cyclohexane		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Dichloromethane		< 0.136	< 0.149	**0.499**	**0.0044**	< 0.0015	< 0.0019
Ethylbenzene		**0.108 J**	**0.269**	< 0.131	< 0.0019	< 0.0015	< 0.0019
Isopropylbenzene		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
m&p-Xylenes		**0.471**	**0.793**	< 0.262	< 0.0038	< 0.003	< 0.0038
Methyl Acetate		< 0.136	**0.0903 J**	**0.0773 J**	< 0.0019 J	< 0.0015 J	< 0.0019 J
Methyl N-Butyl Ketone (2-Hexanone)		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Methylcyclohexane		**0.0936 J**	**0.181**	**0.24**	< 0.0019	**0.0069**	< 0.0019
Methyl-tert-butylether		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
o-Xylene		**0.236**	**0.472**	< 0.131	< 0.0019	< 0.0015	< 0.0019
Styrene (Monomer)		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Tetrachloroethene		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Toluene		**2.24**	**12.1**	**5.68**	**0.0029**	**0.0057**	**0.002**
trans-1,2-Dichloroethene		< 0.136	**0.185**	**1.4**	< 0.0019	< 0.0015	< 0.0019
trans-1,3-Dichloropropene		< 0.136	< 0.149	< 0.131	< 0.0019	< 0.0015	< 0.0019
Trichloroethene		**2.44**	**18.1 D**	**23.9 D**	**0.0102**	**0.0068**	**0.0121**
Vinyl chloride		< 0.136	**0.237**	**1.84**	**0.0028**	**0.0029**	< 0.0019
Total VOCs		**8.0**	**46**	**150**	**0.16**	**0.070**	**0.070**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	T-12-19 T-12-19 (40-42) 5/13/2019 40-42	T-12-19 T-12-19 (42-44) 5/13/2019 42-44	T-12-19 REPO51319MM1 5/13/2019 42-44	T-12-19 T-12-19 (44-46) 5/13/2019 44-46	T-12-19 T-12-19 (46-48) 5/13/2019 46-48	T-12-19 T-12-19 (48-50) 5/13/2019 48-50
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,1,2,2-Tetrachloroethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,1,2-Trichloroethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,1-Dichloroethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,1-Dichloroethene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,2,4-Trichlorobenzene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,2-Dibromo-3-chloropropane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,2-Dibromoethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,2-Dichlorobenzene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,2-Dichloroethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,2-Dichloropropane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,3-Dichlorobenzene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
1,4-Dichlorobenzene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
2-Butanone (MEK)		**0.0042**	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
4-Methyl-2-Pentanone		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Acetone		**0.0239**	**0.0087**	< 0.11	**0.0123**	< 0.113	< 0.116
Benzene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Bromodichloromethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Bromoform		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Bromomethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Carbon Disulfide		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Carbon Tetrachloride		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
CFC-11		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
CFC-12		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	T-12-19 T-12-19 (40-42) 5/13/2019 40-42	T-12-19 T-12-19 (42-44) 5/13/2019 42-44	T-12-19 REPO51319MM1 5/13/2019 42-44	T-12-19 T-12-19 (44-46) 5/13/2019 44-46	T-12-19 T-12-19 (46-48) 5/13/2019 46-48	T-12-19 T-12-19 (48-50) 5/13/2019 48-50
VOCs (mg/kg)							
Chlorobenzene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Chlorodibromomethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Chloroethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Chloroform		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Chloromethane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
cis-1,2-Dichloroethene		**0.0016 J**	**0.0799**	**0.512**	**0.0216**	**2.34**	**1.61**
cis-1,3-Dichloropropene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Cyclohexane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Dichloromethane		**0.0019 JB**	< 0.0019	< 0.11	**0.0039 B**	< 0.113	< 0.116
Ethylbenzene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Isopropylbenzene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
m&p-Xylenes		< 0.0041	**0.0031 J**	< 0.219	< 0.0039	< 0.227	< 0.232
Methyl Acetate		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Methyl N-Butyl Ketone (2-Hexanone)		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Methylcyclohexane		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Methyl-tert-butylether		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
o-Xylene		< 0.002	**0.0014 J**	< 0.11	< 0.002	< 0.113	< 0.116
Styrene (Monomer)		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Tetrachloroethene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Toluene		< 0.002	**0.0052**	< 0.11	**0.0012 J**	< 0.113	**0.789**
trans-1,2-Dichloroethene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
trans-1,3-Dichloropropene		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Trichloroethene		**0.0018 J**	**0.0498**	**0.305**	**0.0148**	**0.527**	**1.59**
Vinyl chloride		< 0.002	< 0.0019	< 0.11	< 0.002	< 0.113	< 0.116
Total VOCs		**0.10**	**0.15**	**0.82**	**0.054**	**2.9**	**4.0**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	T-12-19 / T-12-19 (50-52) / 5/13/2019 / 50-52	T-12-19 / T-12-19 (52-54) / 5/13/2019 / 52-54	nS-7-19 / NS-7-19 (36-38) / 5/14/2019 / 36-38	nS-7-19 / NS-7-19 (38-40) / 5/14/2019 / 38-40	nS-7-19 / NS-7-19 (40-42) / 5/14/2019 / 40-42	nS-7-19 / NS-7-19 (42-44) / 5/14/2019 / 42-44
VOCs (mg/kg)							
1,1,1-Trichloroethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,1,2,2-Tetrachloroethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,1,2-Trichloroethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,1-Dichloroethane		**0.0022**	**0.0012 J**	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,1-Dichloroethene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,2,4-Trichlorobenzene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,2-Dibromo-3-chloropropane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,2-Dibromoethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,2-Dichlorobenzene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,2-Dichloroethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,2-Dichloropropane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,3-Dichlorobenzene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
1,4-Dichlorobenzene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
2-Butanone (MEK)		< 0.0017	< 0.002	< 0.0019	**0.0055**	**0.0043**	< 0.0019
4-Methyl-2-Pentanone		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Acetone		**0.0128**	**0.0107**	**0.0059 J**	**0.0236 J**	**0.0275 J**	< 0.0019
Benzene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Bromodichloromethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Bromoform		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Bromomethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Carbon Disulfide		**0.0024**	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Carbon Tetrachloride		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
CFC-11		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
CFC-12		< 0.0017	< 0.002	< 0.0019 J	< 0.0017 J	< 0.0017 J	< 0.0019 J

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	T-12-19 / T-12-19 (50-52) / 5/13/2019 / 50-52	T-12-19 / T-12-19 (52-54) / 5/13/2019 / 52-54	nS-7-19 / NS-7-19 (36-38) / 5/14/2019 / 36-38	nS-7-19 / NS-7-19 (38-40) / 5/14/2019 / 38-40	nS-7-19 / NS-7-19 (40-42) / 5/14/2019 / 40-42	nS-7-19 / NS-7-19 (42-44) / 5/14/2019 / 42-44
VOCs (mg/kg)							
Chlorobenzene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Chlorodibromomethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Chloroethane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Chloroform		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Chloromethane		< 0.0017	< 0.002	< 0.0019 J	< 0.0017 J	< 0.0017 J	< 0.0019 J
cis-1,2-Dichloroethene		**0.169 E**	**0.0741**	< 0.0019	< 0.0017	**0.0034**	**0.0346**
cis-1,3-Dichloropropene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Cyclohexane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Dichloromethane		**0.0024 B**	**0.0025 B**	**0.0026**	< 0.0017	< 0.0017	< 0.0019
Ethylbenzene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Isopropylbenzene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
m&p-Xylenes		< 0.0033	< 0.004	< 0.0038	< 0.0034	< 0.0034	< 0.0038
Methyl Acetate		< 0.0017	< 0.002	< 0.0019 J	< 0.0017 J	< 0.0017 J	< 0.0019 J
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Methylcyclohexane		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	**0.0017 J**
Methyl-tert-butylether		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
o-Xylene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Styrene (Monomer)		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Tetrachloroethene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Toluene		**0.0246**	< 0.002	< 0.0019	< 0.0017	< 0.0017	**0.0055**
trans-1,2-Dichloroethene		**0.0016 J**	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
trans-1,3-Dichloropropene		< 0.0017	< 0.002	< 0.0019	< 0.0017	< 0.0017	< 0.0019
Trichloroethene		**0.111**	**0.0267**	**0.0016 J**	**0.0022**	**0.0109**	**0.0528**
Vinyl chloride		**0.0038**	< 0.002	< 0.0019 J	< 0.0017 J	< 0.0017 J	**0.0049 J**
Total VOCs		**0.33**	**0.12**	**0.010**	**0.030**	**0.050**	**0.42**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nS-7-19 / NS-7-19 (44-46) / 5/14/2019 / 44-46	nS-7-19 / NS-7-19 (46-48) / 5/14/2019 / 46-48	nS-7-19 / NS-7-19 (48-50) / 5/14/2019 / 48-50	nS-7-19 / NS-7-19 (50-52) / 5/14/2019 / 50-52
VOCs (mg/kg)					
1,1,1-Trichloroethane		< 0.0016	< 0.001	< 0.0026	< 0.13
1,1,2,2-Tetrachloroethane		< 0.0016	< 0.001	< 0.0026	< 0.13
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0016	< 0.001	< 0.0026	< 0.13
1,1,2-Trichloroethane		< 0.0016	< 0.001	< 0.0026	< 0.13
1,1-Dichloroethane		< 0.0016	< 0.001	< 0.0026	< 0.13
1,1-Dichloroethene		< 0.0016	< 0.001	< 0.0026	< 0.13
1,2,4-Trichlorobenzene		< 0.0016	< 0.001	< 0.0026	< 0.13
1,2-Dibromo-3-chloropropane		< 0.0016	< 0.001	< 0.0026	< 0.13
1,2-Dibromoethane		< 0.0016	< 0.001	< 0.0026	< 0.13
1,2-Dichlorobenzene		< 0.0016	< 0.001	< 0.0026	< 0.13
1,2-Dichloroethane		< 0.0016	< 0.001	< 0.0026	< 0.13
1,2-Dichloropropane		< 0.0016	< 0.001	< 0.0026	< 0.13
1,3-Dichlorobenzene		< 0.0016	< 0.001	< 0.0026	< 0.13
1,4-Dichlorobenzene		< 0.0016	< 0.001	< 0.0026	< 0.13
2-Butanone (MEK)		**0.0022 J**	**0.00088 J**	**0.0057 J**	< 0.13
4-Methyl-2-Pentanone		< 0.0016	< 0.001	< 0.0026	< 0.13
Acetone		**0.0109 J**	**0.0068 J**	**0.0249 J**	< 0.13 J
Benzene		< 0.0016	< 0.001	< 0.0026	< 0.13
Bromodichloromethane		< 0.0016	< 0.001	< 0.0026	< 0.13
Bromoform		< 0.0016	< 0.001	< 0.0026	< 0.13
Bromomethane		< 0.0016	< 0.001	< 0.0026	< 0.13
Carbon Disulfide		< 0.0016	< 0.001	< 0.0026	< 0.13
Carbon Tetrachloride		< 0.0016	< 0.001	< 0.0026	< 0.13
CFC-11		< 0.0016	< 0.001	< 0.0026	< 0.13
CFC-12		< 0.0016	< 0.001	< 0.0026	< 0.13

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nS-7-19 / NS-7-19 (44-46) / 5/14/2019 / 44-46	nS-7-19 / NS-7-19 (46-48) / 5/14/2019 / 46-48	nS-7-19 / NS-7-19 (48-50) / 5/14/2019 / 48-50	nS-7-19 / NS-7-19 (50-52) / 5/14/2019 / 50-52
VOCs (mg/kg)					
Chlorobenzene		< 0.0016	< 0.001	< 0.0026	< 0.13
Chlorodibromomethane		< 0.0016	< 0.001	< 0.0026	< 0.13
Chloroethane		< 0.0016	< 0.001	< 0.0026	< 0.13 J
Chloroform		< 0.0016	< 0.001	< 0.0026	< 0.13
Chloromethane		< 0.0016	< 0.001	< 0.0026	< 0.13
cis-1,2-Dichloroethene		**0.005**	**0.0057**	**0.0022 J**	**2.93**
cis-1,3-Dichloropropene		< 0.0016	< 0.001	< 0.0026	< 0.13
Cyclohexane		< 0.0016	< 0.001	< 0.0026	< 0.13
Dichloromethane		< 0.0016	< 0.001	< 0.0026	< 0.13
Ethylbenzene		< 0.0016	< 0.001	< 0.0026	< 0.13
Isopropylbenzene		< 0.0016	< 0.001	< 0.0026	< 0.13
m&p-Xylenes		< 0.0031	< 0.002	< 0.0053	**0.153 J**
Methyl Acetate		< 0.0016 J	< 0.001 J	< 0.0026 J	< 0.13
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0016	< 0.001	< 0.0026	< 0.13
Methylcyclohexane		< 0.0016	< 0.001	< 0.0026	**0.169**
Methyl-tert-butylether		< 0.0016	< 0.001	< 0.0026	< 0.13
o-Xylene		< 0.0016	< 0.001	< 0.0026	**0.149**
Styrene (Monomer)		< 0.0016	< 0.001	< 0.0026	< 0.13
Tetrachloroethene		< 0.0016	< 0.001	< 0.0026	< 0.13
Toluene		< 0.0016	< 0.001	**0.0033**	**5.7**
trans-1,2-Dichloroethene		< 0.0016	< 0.001	< 0.0026	< 0.13
trans-1,3-Dichloropropene		< 0.0016	< 0.001	< 0.0026	< 0.13
Trichloroethene		**0.0062**	**0.0133**	**0.0331**	**59.9 D**
Vinyl chloride		< 0.0016	< 0.001	< 0.0026	< 0.13
Total VOCs		**0.024**	**0.027**	**0.069**	**69**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of VOCs in Soil Samples Collected for
Supplemental ISTR Pre-Design Characterization and Supplemental Delineation of VOCs,
Northrop Grumman Systems Corporation,
Bethpage, New York

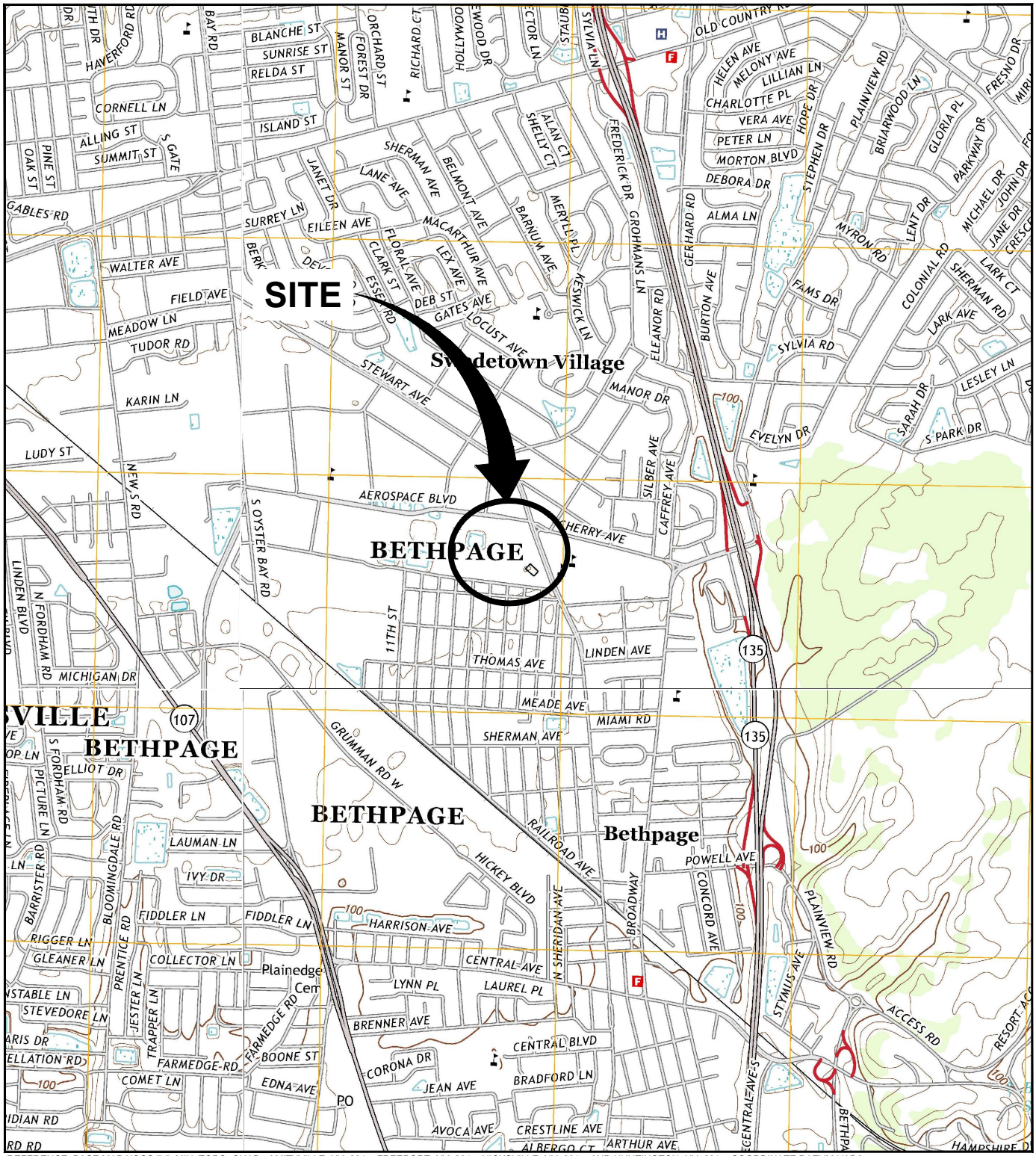
ARCADIS Design & Consultancy for natural and built assets

Notes and Abbreviations:

1. Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006).
2. Results are reported on dry weight basis.
3. Samples were analyzed for VOCs using USEPA Method 8260C.
4. Total VOCs are rounded to two significant figures.
5. The cleanup standard is 10 mg/kg

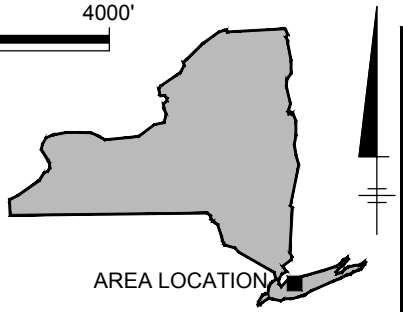
ft bls	feet below land surface
Bold	Constituent detected
B	Constituent considered non-detect at the listed value due to associated blank contamination
D	Concentration is based on a diluted sample analysis
E	Constituent concentration exceeded the calibration range. The reported result is estimated.
J	Constituent value is estimated
REP	Blind Duplicate Sample
mg/kg	milligrams per kilogram
VOCs	volatile organic compounds
<0.11	Compound not detected above its laboratory reporting limit.
CFC	Chlorofluorocarbon

FIGURES



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., AMITYVILLE, NY, 201□, FREEPORT, NY, 201□, HICKSVILLE, NY, 201□, AND HUNTINGTON, NY, 201□, COORDINATE DATUM NAD8□

0 2000' 4000'

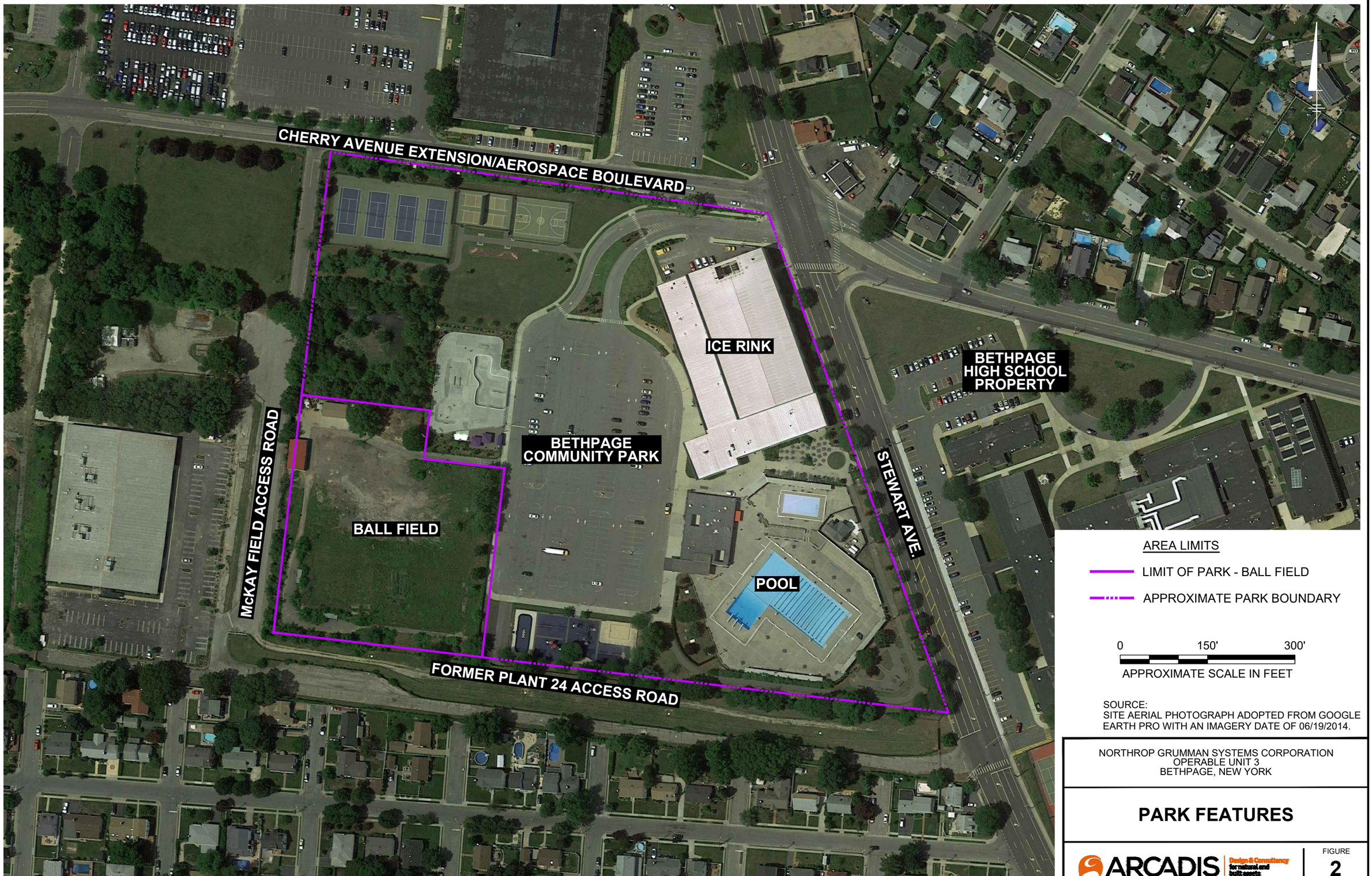


NORTHROP GRUMMAN SYSTEMS CORPORATION
BETHPAGE, NEW YORK

SITE LOCATION

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1



AREA LIMITS

LIMIT OF PARK - BALL FIELD

APPROXIMATE PARK BOUNDARY

0 150' 300'

APPROXIMATE SCALE IN FEET

SOURCE:
SITE AERIAL PHOTOGRAPH ADOPTED FROM GOOGLE EARTH PRO WITH AN IMAGERY DATE OF 06/19/2014.

NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

PARK FEATURES

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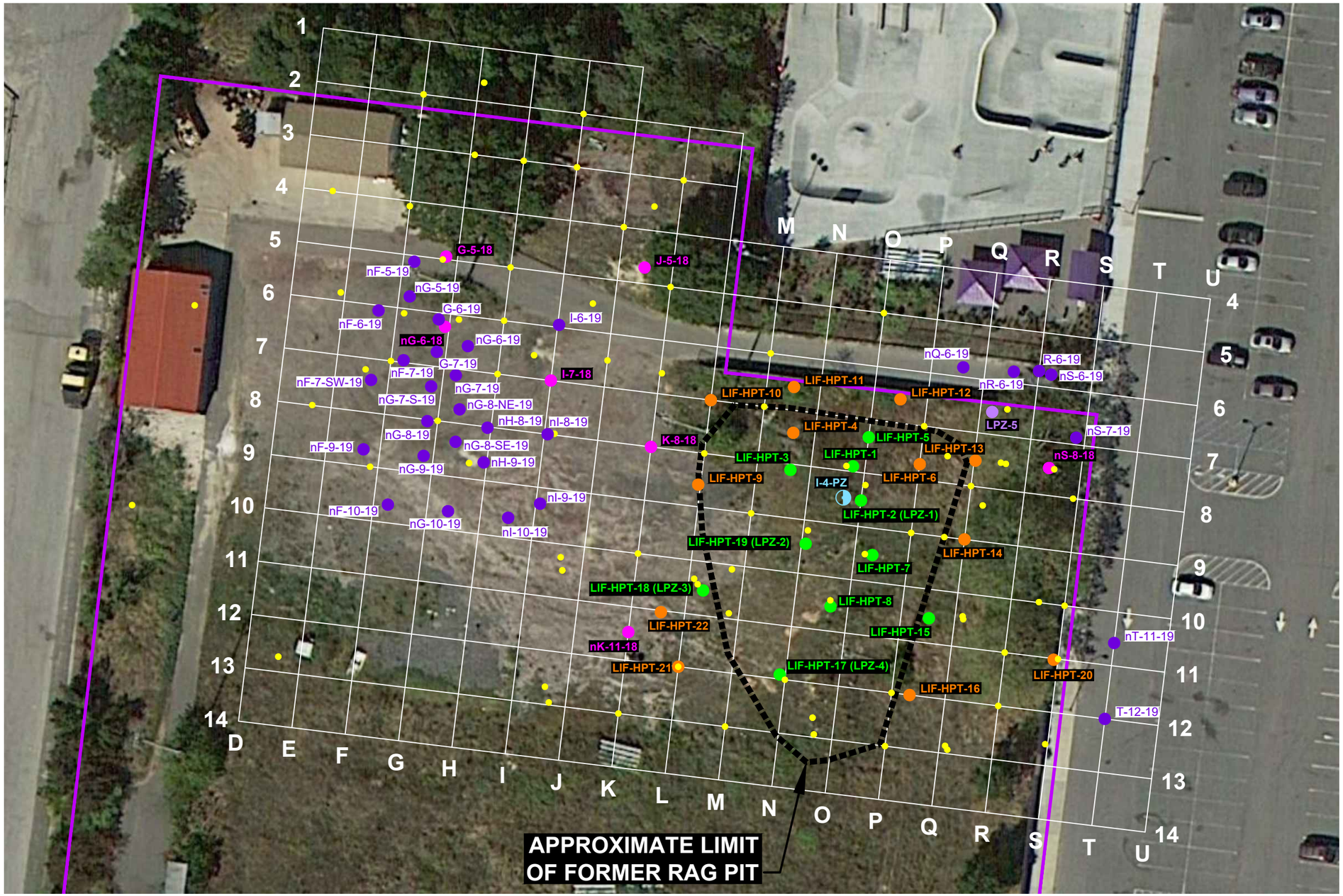
FIGURE
2



LEGEND:

- HISTORICAL (2004-2017) VOC SAMPLE LOCATIONS
- ABANDONED PERCHED WATER PIEZOMETER LOCATION
- 2018 PHASE I LIF-HPT BORING LOCATION
- 2018 PHASE I LIF-HPT/ PHASE II SOIL BORING LOCATION
- 2018 PHASE III SOIL BORING LOCATION
- 2018 PHASE IV SUPPLEMENTAL VOC DELINEATION SAMPLE LOCATION
- 2019 SOL BORING LOCATION
- LIMIT OF PARK - BALL FIELD

VOC VOLATILE ORGANIC COMPOUND
LIF LASER-INDUCED FLUORESCENCE
HPT HYDRAULIC PROFILING TOOL

0 40' 80'
APPROXIMATE SCALE IN FEET

NOTES:

1. THE BORINGS WERE FIELD LOCATED USING A HAND-HELD GLOBAL POSITIONING SYSTEM (GPS) UNIT.
2. COORDINATES REFER TO NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).

NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

HISTORICAL AND 2019 SOIL BORING LOCATIONS

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FIGURE 3