ARCADIS Design & Consultancy for natural and built assets

Northrop Grumman Systems Corporation

SUPPLEMENTAL REPORT
VOC SOIL DELINEATION

Operable Unit 3 (Former Grumman Settling Ponds)
Bethpage, New York
NYSDEC Site # 1-30-003A

September 28, 2020

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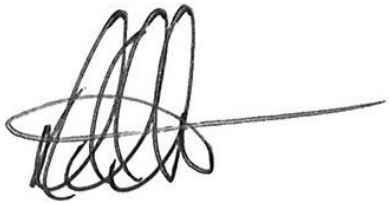

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Date:

September 28, 2020

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1 INTRODUCTION

Arcadis of New York, Inc. (Arcadis) has prepared this report on behalf of Northrop Grumman Systems Corporation (Northrop Grumman) to summarize the results of the work that was implemented to refine the delineation of total volatile organic compound (TVOC) concentrations in vadose zone soil exceeding 10 milligrams per kilogram (mg/kg) in the low permeability zone (LPZ) north, northeast, and east of the former ball field area of the Bethpage Community Park, Bethpage, New York (Site). Specifically, work was performed in the parking lot east and northeast of the former ball field area, and in the skate park and recharge basin north of the former ball field area. The work was performed in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Revised Supplemental Work Plan for Delineation of VOCs in Soil, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York (Work Plan; Arcadis 2019). The Work Plan addressed NYSDEC's October 16, 2019 comment on the Addendum to the LNAPL Investigation and Supplemental VOC Delineation Report (Arcadis 2019a) that additional delineation sampling for VOCs is required for the areas outside of the current in-situ thermal remediation (ISTR) area. The general Site location is shown on **Figure 1**. The Bethpage Community Park features are shown on **Figure 2**.

The work was performed following the provisions of an access agreement between Northrop Grumman and the Town of Oyster Bay (Town) for field activities performed at the Site. Northrop Grumman coordinated with the Town during the planning and performance of the work.

2 SCOPE OF WORK AND METHODOLOGY

As described in the Work Plan, the investigation activities, conducted between January and May 2020, were performed using an adaptive approach that allowed flexibility in the number and location of soil borings. Based on the results of the initial five (5) soil borings that were proposed in the Work Plan, 41 additional borings were drilled to refine the delineation of TVOC concentrations in the LPZ exceeding 10 mg/kg in areas adjoining the ball field. **Table 1** provides a summary of the soil borings and sampling details. **Figure 3** shows the soil boring locations.

As a modification to the Work Plan, two (2) temporary wells were drilled at the AB-8-20 and nAA-11-20 soil boring locations to assess if there are dissolved-phase VOCs present in shallow groundwater beneath the parking lot.

In accordance with the Community Air Monitoring Plan (CAMP), real-time community air monitoring was performed and recorded by Arcadis for VOCs (using a photoionization detector [PID]) and dust (using a particulate monitor). During the work, there were no exceedances of the CAMP action levels, and therefore, corrective actions to reduce or abate emissions were not required. The CAMP data are provided in **Appendix A**.

Investigation derived waste (IDW) generated during sampling activities was containerized, characterized, and disposed at approved facilities. The soil and plastic debris/personal protective equipment (PPE) were characterized as non-hazardous waste. The water (decontamination water, drilling water) was characterized as either non-hazardous waste or D002 (corrosive) hazardous waste based on pH measurements. The soil, plastic debris/PPE, and water were transported to the Clean Harbors Spring Grove Resource Recovery, Inc. facility in Cincinnati, Ohio. The non-hazardous water was treated at the

Spring Grove Resource Recovery, Inc. facility. The non-hazardous soil and plastic debris/PPE were then transported to the Rumpke Sanitary Landfill in Cincinnati, Ohio for final disposal. The hazardous water (D002 hazardous waste) was then transported to the Clean Harbors Lone Mountain Facility, LLC in Waynoka, Oklahoma for treatment and disposal. The soil and water IDW characterization data are provided in **Appendix B**.

2.1 Soil Borings

Soil borings were drilled using sonic drilling techniques following methods approved by the NYSDEC. Soil cores were collected generally between 32 and 52 ft bls and were screened in the field using a PID. The Work Plan indicated that if field observations and PID screening indicate that impacts are present at the proposed terminal boring depth, the soil boring(s) will be further advanced in the vadose zone until groundwater is encountered or field screening indicates that impacts are no longer evident, whichever occurs first. The depth to water was periodically measured in monitoring wells during the drilling program to support the soil sampling activities. The depth to water was found to be approximately 53 feet below land surface (ft bls) during the drilling activities (see table below); therefore, the above-referenced field screening (e.g., PID readings) was not necessary to guide the terminal depth of the soil borings, and soil sampling was terminated at 52 ft bls (just above the water table), with the exception of soil borings T-7-19 (54 ft bls), nK-98-20 (40 ft bls), and nI-99-20 (40 ft bls) (see discussion below). The Work Plan indicated that the Geoprobe® Hydraulic Profiling Tool (HPT) may be employed at selected locations to map hydrostratigraphy. It was determined that the soil cores collected during the soil boring drilling were sufficient to understand the depth and morphology of the LPZ; therefore, the HPT was not employed.

Soil recovered from each sample interval was visually characterized for color, texture, and moisture content and to evaluate the presence of the LPZ. The soil boring logs are provided in **Appendix C**. The soil samples were collected using Terra Core® Samplers and submitted to a New York State Department of Health (NYSDOH) accredited laboratory for the analysis of VOCs using U.S. Environmental Protection Agency (EPA) Method 8260C. Upon completion, the borings were grouted from the bottom up to land surface and, if located in a paved area, the surface was restored with cold patch asphalt.

Consistent with the Work Plan, five (5) soil borings (nR-5-19, nU-11-19, T-5-19, T-7-19, and T-9-19) were drilled in locations proximal to the ball field and the soil samples were analyzed under a 24-hour turnaround time to determine if additional soil borings were necessary to further delineate TVOC concentrations in vadose zone soil exceeding 10 mg/kg in the LPZ. Four of these soil borings were in the parking lot east of the ball field and one of these soil borings was in the skate park north of the ball field (**Figure 3**). Based on the analytical results for the soil samples collected from these initial soil borings, additional soil borings were drilled in the parking lot, skate park, and recharge basin to continue the delineation.

Soil sampling was conducted in the vadose zone generally between 32 and 52 ft bls at the soil boring locations as described in the Work Plan. An additional deeper vadose zone sample (52 to 54 ft bls) was collected from soil boring T-7-19 to delineate TVOCs observed above 10 mg/kg at 52 ft bls in nearby soil boring nS-7-19. As an addition to the Work Plan, shallow soils were field screened and soil samples collected between 6 and 32 ft bls in the initial five soil borings (nR-5-19, nU-11-19, T-5-19, T-7-19, and T-9-19) for a limited assessment of shallow soil quality. Based on field screening data (e.g., PID readings), four (4) soil samples that were collected from soil boring nU-11-19 between 14 and 28 ft bls were

analyzed for VOCs. Based on the results of the nU-11-19 shallow soil samples (see Section 3.1), the shallow soil samples collected from the other soil borings (nR-5-19, T-5-19, T-7-19, and T-9-19) were not analyzed. Soil sampling in the vadose zone (20 to 40 ft bls) was also conducted at soil boring locations (nK-98-20 and nI-99-20) that were drilled in the bottom of the recharge basin. As the land surface elevation in the basin is approximately 12 feet lower than the surrounding area, the boring depths in the basin were equivalent to the boring depths outside the basin.

As mentioned above, the depth to water was periodically measured (in Monitoring Wells BCPMW-3 and B24MW-2, and Piezometer PZ-10A - see **Figure 3**) during the drilling program to support the soil sampling activities. The depth to water measurements were used to guide the target terminal depth of the proposed soil borings and the collection of the deepest vadose zone soil sample. Depth to water measurements are provided below.

Well ID	Depth to Water (feet below measuring point)							
	1/13/20	1/21/20	2/5/20	2/18/20	3/17/20	4/1/20	4/16/20	5/8/20
BCPMW-3	52.96	53.15	53.11	52.85	NM	52.69	NM	NM
B24MW-2	53.42	53.57	53.67	53.21	NM	53.31	NM	52.29
PZ-10A	NM	NM	NM	NM	52.76	52.47	52.43	NM

NM Not measured

In a letter dated November 19, 2019, the Town of Oyster Bay (Town) identified a previous soil boring (J-1) drilled by the Town in the skate park as an area where additional delineation borings were recommended. The analytical results for the soil sample collected from 48-50 ft bls in soil boring J-1 in 2005 indicated that the TVOC concentration was 17.97 mg/kg. Therefore, a soil boring, nM-n5-20, was drilled to further investigate the area near previous soil boring J-1 and determine if TVOC concentrations above 10 mg/kg were present in this area of the skate park. Based on the analytical results for the soil samples collected from soil boring nM-n5-20, additional soil borings were drilled to further delineate TVOCs to the north/northwest (nM-4-20 in the skate park and nL-n3-20 in the northern portion of the ball field area) in areas that were accessible; the area of the skate park with surface pavement was not accessible (see Section 3.1). Based on the analytical results for the soil samples collected from soil boring nL-n3-20, additional soil borings were drilled to the northwest (nI-99-20 and nK-98-20) in an accessible portion of the recharge basin north of the ball field area and west of the skate park (see Section 3.1).

After the soil boring drilling activities, a New York State licensed surveyor field surveyed the soil boring locations. For each soil boring, the surveyor determined the location relative to the New York State Plane Coordinate System, and the ground surface relative to the North American Vertical Datum of 1988 (NAVD 88). The Soil Boring Location Map provided by the surveyor is provided in **Appendix D**.

2.2 Temporary Wells

Two (2) temporary wells were drilled at the AB-8-20 and nAA-11-20 soil boring locations (see **Figure 3**) in the parking lot; temporary wells were not proposed in the Work Plan. The temporary wells were drilled at soil borings that were located generally hydraulically downgradient of soil borings with soil samples that had TVOC concentrations exceeding 10 mg/kg. The temporary well groundwater samples were collected from shallow groundwater to assess if there were dissolved-phase VOCs present in shallow groundwater beneath the parking lot.

The temporary wells were constructed of 2-inch diameter Schedule 40 polyvinyl chloride (PVC) casing and 10 feet of 2-inch diameter, Schedule 40 PVC 0.010-inch (10 slot) screens. New casing and screen were used to construct the temporary wells that were lowered into the sonic drill casing to the target sampling depths (ranging from 53 to 63 ft bls). The bottom of the screen intervals for the temporary wells ranged from approximately 5 to 10 feet below the water table. The sonic drill casing was then retracted to expose the well screen to the formation. A decontaminated submersible pump with new, disposable polyethylene tubing was lowered into each well and a minimum of three standing well volumes were purged prior to collecting groundwater samples. The groundwater samples were submitted to a NYSDOH accredited laboratory for the analysis of VOCs using USEPA Method 8260C.

3 RESULTS AND INTERPRETATION

This section summarizes the results of the work that was implemented to refine the delineation of TVOC concentrations in the vadose zone soil exceeding 10 mg/kg in the LPZ. **Table 2** provides the analytical results of soil samples collected from the soil borings. **Table 3** provides the analytical results of the groundwater samples collected from the temporary wells. **Table 4** summarizes the LPZ and TVOC soil data. The laboratory reports are provided in **Appendix E.**

Data validation was performed in accordance with the project Quality Assurance Project Plan (QAPP) and data usability summary reports (DUSRs) are provided in **Appendix F**. The overall data quality objectives were met for the intended use of the data.

3.1 Soil Data

Characterization of the LPZ

The LPZ was encountered in all the soil borings, indicating that the LPZ is continuous throughout the area that was investigated. The soil core observations indicate that the LPZ primarily consists of high plasticity moist clay, mixed with traces of sand and silt and, at some locations, the clay is also interbedded with lenses of fine to very fine sand and silt, which is consistent with observations made during prior investigations in the ball field area.

The depth intervals and vertical extent of the LPZ are summarized in **Table 4**. The upper surface of the LPZ was found in the soil borings at depths ranging from approximately 25 ft bls (soil boring nK-98-20 in the bottom of the recharge basin), which would be approximately 37 ft bls if adjusted for the lower elevation of the basin bottom relative to the surrounding area, to 48 ft bls (soil boring AB-8-20 in the eastern portion of the parking lot area). The thickness of the LPZ was minimal at soil borings AB-8-20, nAD-7-20, and nAA-11-20 that were drilled along the eastern and southeastern portions of the

investigation area in the parking lot (see **Table 4**). Soil borings AE-4-20, nAD-n3-20, and nAE-n6-20, which were also drilled along the eastern portion of the investigation area, exhibited interbedding of clay and silt with thicknesses of lenses ranging from approximately 1 to 2 feet (see **Appendix C**). Collectively, the observations in soil borings AB-8-20, nAD-7-20, nAA-11-20, AE-4-20, nAD-n3-20, and nAE-n6-20 indicate that the LPZ thins to the east and southeast in the parking lot.

Characterization of TVOCs

Earth Volumetric Studio (EVS) software was used to map the TVOC data in three dimensions. **Table 4** summarizes the depth intervals of TVOCs exceeding 10 mg/kg in the soil borings and the highest TVOC concentrations within the LPZ. **Figure 4** shows the maximum TVOC concentrations in the soil borings. Data from previous investigations in the parking lot, skate park, and recharge basin is also shown on **Figure 4** to supplement the current investigation results:

- 2019 borings in the parking lot area (nT-11-19 and T-12-19) reported in the Addendum to the LNAPL Investigation and Supplemental VOC Delineation Report (Arcadis 2019a).
- Remedial Investigation (RI) soil borings drilled in 2006/2007 in the recharge basin (F-8-SB), skate park (H-7-SB), and parking lot (N-3-SB, N-5-SB, and N-6-SB).
- Soil boring drilled in 2017 (K-3-17) in the ball field area.
- RI cone penetrometer testing (CPT)/membrane interface probe (MIP) borings drilled in the recharge basin in 2006/2007 (D-7, E-9, F-8, and G-9) (see discussion below).

The highest concentrations of TVOCs (above 100 mg/kg) were detected in the vertical interval from approximately 40 to 50 ft bls (within the LPZ). The highest TVOC concentrations were identified in the following areas:

- Central and northern portions of the parking lot (soil borings U-5-20, nV-n4-20, V-5-20, V-7-20, and Z-7-20). TVOCs had also been detected above 100 mg/kg in 2019 soil borings nT-11-19, along the western edge of the parking lot, and R-6-19, in the northeastern corner of the ball field.
- Along the southwestern corner of the skate park (soil borings nM-n5-20 and nM-4-20) and in the ball field area between the skate park and the adjacent recharge basin (soil boring nL-n3-20).

Figure 5 shows the plan view distribution of TVOCs in soil in the parking lot, skate park, and recharge basin areas below 30 ft bls (relative to the land surface elevation outside the recharge basin) and delineates TVOCs in soil above 10 mg/kg horizontally, with one exception (i.e., soil boring nM-4-20). The paved surface area in the skate park north and northeast of soil boring nM-4-20 was not accessible during the investigation activities and therefore, soil borings could not be drilled in these areas to further delineate the TVOCs detected in soil boring nM-4-20. The distribution of TVOCs in soil on **Figure 5** shows the extrapolated TVOC distribution to the north, northeast, and east of soil boring nM-4-20 based on EVS.

Figures 6 through **9** show geologic cross sections of the LPZ along with vertical side views of the updated distribution of TVOCs in soil below 30 ft bls local to the cross sections. As shown in **Table 4** and on **Figures 6** through **9**, the TVOC concentrations in vadose zone soil exceeding 10 mg/kg were only detected within the LPZ except for two samples from soil boring nL-n3-20. In that boring, a TVOC concentration of 21 mg/kg was detected in the 40-42 ft soil sample (the discrete soil sample was collected

at 41 ft bls); primarily fine to very fine sand and silt was observed from 40.5 to 42 ft bls. Also, a TVOC concentration of 26 mg/kg was detected in the 44-46 ft soil sample in nL-n3-20 (the discrete soil sample was collected at 44 ft bls); very fine sand and silt was observed from 44 to 44.8 ft bls and the LPZ was observed at 44.8 ft bls (clay) in this boring. This approximately 4-foot zone (40.5 to 44.8 ft bls) above the LPZ in boring nL-n3-20 is of lower permeability relative to the overlying soil, which consists of medium to very coarse sand and pebbles, and represents a transition zone between coarser-grained soil and the underlying LPZ.

Sampling data indicate that, other than the two samples in nL-n3-20, only one other soil sample above the LPZ (X-5-20 [40-42], which consisted of fine to very fine sand and clay), exhibited a TVOC concentration greater than 1 mg/kg (8.8 mg/kg). The data also indicate that TVOC concentrations in the soil samples collected below the LPZ are less than 1 mg/kg, with two exceptions (nM-4-20 [1.7 mg/kg] and nAD-n3-20 [5.7 mg/kg]).

Soil borings nI-99-20 and nK-98-20, which are located in the recharge basin, were drilled to delineate the TVOCs detected in soil boring nL-n3-20 (adjacent to the skate park and south of the recharge basin). The maximum TVOC concentration in soil boring nI-99-20 was 6.7 mg/kg and the maximum TVOC concentration in nK-98-20 was 73 mg/kg. Further delineation of TVOCs to the north of nK-98-20 in the recharge basin was not possible due to access constraints. Therefore, historical data that were collected within the recharge basin were evaluated (see below).

Soil boring F-8-SB was drilled in the recharge basin in May 2006 during the RI. As shown on **Figure 4**, F-8-SB is located northwest of soil boring nK-98-20. Soil samples were collected from F-8-SB for VOC analysis from 34 to 36 ft bls and 38 to 40 ft bls. The VOC soil sample data (34-36 ft bls [0.052 mg/kg] and 38-40 ft bls [0.048 mg/kg]) exhibited TVOC concentrations below 10 mg/kg. Based on the F-8-SB boring log, the LPZ was encountered at approximately 35 ft bls. Soil boring H-7-SB is located east (outside the recharge basin and at a higher elevation) of soil boring nK-98-20 and was advanced to the LPZ and the water table. The soil sample data collected from H-7-SB between 43 and 52 ft bls, which is generally coincident with the vertical interval in soil boring nK-98-20 where TVOC concentrations were above 10 mg/kg, exhibited TVOC concentrations below 10 mg/kg. In addition, four (4) CPT/MIP borings (D-7, E-9, F-8, and G-9; see **Figure 4**) were completed within the recharge basin and the MIP results presented in the Site Area Remedial Investigation (RI) Report (Arcadis 2011), although considered screening level in nature, collectively did not indicate significant impacts in the soil. The historical data, in conjunction with soil boring nI-99-20, suggest that the TVOCs detected above 10 mg/kg in soil boring nK-98-20 have been delineated in the recharge basin.

In the parking lot, the four (4) shallow soil samples collected between 14 and 28 ft bls from soil boring nU-11-19 exhibited TVOC concentrations below 0.02 mg/kg. The PID readings in the shallow soil cores (i.e., above 32 ft bls) in soil borings nR-5-19, T-5-19, T-7-19, and T-9-19 were less than the PID readings in soil boring nU-11-19. Because the analytical results for nU-11-19 were well below 10 mg/kg, the shallow soil samples collected from soil borings nR-5-19, T-5-19, T-7-19, and T-9-19 were not analyzed for VOCs. These data indicate that shallow soil along the western portion of the parking lot does not contain elevated concentrations of VOCs.

3.2 Groundwater Data

Table 3 provides the analytical results of the groundwater samples collected from the temporary wells. The temporary well drilled at soil boring AB-8-20 was screened from approximately 53 to 58 ft bls (the bottom of the screen interval was approximately 5 feet below the water table). Due to the relatively fine-grained material (fine to very fine sand and silt) observed in the soil sample between 53 and 54 ft bls and the limited amount of water column in the temporary well, a stable pumping rate could not be achieved during the well purging and the appropriate volume of water, including drilling water in the casing and lost to the formation, could not be removed to allow for the collection of a representative groundwater sample. Based on the above and the analytical results, the groundwater sample results associated with AB-8-20 are not considered to be representative of shallow groundwater.

The temporary well drilled at soil boring nAA-11-20 was screened from approximately 53 to 63 ft bls (the bottom of the screen interval was approximately 10 feet below the water table) and allowed for the collection of a representative groundwater sample. The groundwater sample data indicate that the concentrations of detected VOCs are below standards, criteria, and guidance (SCGs).

4 CONCLUSIONS

The following conclusions are made based on the data provided in this Report:

1. The LPZ was determined to be continuous in the area investigated.
2. Consistent with the Work Plan, soil borings have delineated TVOC concentrations in the LPZ above 10 mg/kg in the parking lot east and northeast of the former ball field area, and in the skate park area and recharge basin north of the former ball field area, with the exception of the area north and northeast of soil boring nM-4-20, which could not be characterized due to access constraints in the skate park.
3. Virtually all TVOC concentrations in vadose zone soil exceeding 10 mg/kg were detected within the LPZ.
4. Virtually all TVOC concentrations observed in soil above and below the LPZ were less than 1 mg/kg.
5. The groundwater sample data collected from one temporary well indicate that the concentrations of detected VOCs are below SCGs.

5 REFERENCES

Arcadis of New York, Inc. 2019. Revised Supplemental Work Plan for Delineation of VOCs in Soil, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. December 12, 2019.

Arcadis of New York, Inc. 2019a. Addendum to the LNAPL Investigation and Supplemental VOC Delineation Report, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. June 29, 2019.

ARCADIS of New York, Inc. 2011. Remedial Investigation Report (Site Area), Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York. NYSDEC Site # 1-30-003A. February 8, 2011.

TABLES

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

BORING ID	COORDINATES [1]		TOTAL DEPTH (ft bls) [2]	SOIL SAMPLING INTERVAL (ft bls) [2]
	EASTING	NORTHING		
nL-n3-20	1126220.6698	214898.5465	52	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
T-3-20	1126384.5844	214887.1995	52	32-34, 34-36, 36-38, 38-40, 40-42, 44-46, 46-48, 48-50, 50-52
T-4-20	1126382.4123	214867.2145	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
T-5-19	1126380.1931	214848.7049	56	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
T-7-19	1126374.5978	214796.2500	56	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52, 52-54
T-9-19	1126369.4171	214757.0362	56	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50
nU-12-20	1126376.6250	214700.3966	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nU-11-19	1126379.3052	214725.1592	60	14-16, 16-18, 22-24, 26-28, 32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
U-9-20	1126389.4908	214754.9805	52	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
U-7-20	1126393.3653	214795.0090	52	32-34, 34-36, 36-38, 40 -42, 42-44, 44-46, 46-48, 48-50, 50-52
U-5-20	1126400.2523	214841.4957	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50
nV-n2-20	1126417.0339	214913.9213	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nV-n4-20	1126413.0926	214873.0214	52	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50
V-7-20	1126414.3143	214803.0406	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
V-9-20	1126409.3575	214751.2873	52	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nV-11-20	1126397.9467	214721.9675	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nV-12-20	1126396.2290	214697.6478	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nW-11-20	1126418.0762	214719.2942	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
W-2-20	1126445.8770	214900.7953	52	32-34, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nX-n4-20	1126453.1219	214868.3960	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
X-5-20	1126460.3701	214833.9474	52	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
X-7-20	1126454.1555	214794.9665	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
X-9-20	1126449.8579	214747.2170	52	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nX-12-20	1126435.7548	214691.1222	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nY-11-20	1126457.9215	214715.1499	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52

Footnotes and Abbreviations on last page

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

BORING ID	COORDINATES [1]		TOTAL DEPTH (ft bls) [2]	SOIL SAMPLING INTERVAL (ft bls) [2]
	EASTING	NORTHING		
Z-9-20	1126489.2504	214741.6325	52	32-34, 34-36, 36-38, 40-42, 44-46, 46-48, 48-50, 50-52
Z-7-20	1126493.5666	214790.1379	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
Z-5-20	1126499.9975	214828.4814	52	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nZ-n4-20	1126495.6104	214859.4806	52	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
Y-2-20	1126485.4860	214894.9665	52	32-34, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nAB-n3-20	1126536.8644	214866.9329	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50
nAD-n3-20	1126575.9351	214873.7919	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
AE-4-20	1126601.2932	214832.9653	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nAE-n6-20	1126597.6220	214803.9708	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nAC-n6-20	1126557.7384	214809.2624	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50
AC-4-20	1126561.7637	214837.8275	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nAB-n5-20	1126540.0309	214829.7843	52	32-34, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nAD-7-20	1126563.5181	214772.0732	52	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
AB-8-20	1126531.1120	214747.7398	58 [3]	32-34, 36-38, 38-40, 40-42, 42-44, 44-46, 48-50, 50-52
nAA-11-20	1126493.0755	214700.4061	63 [3]	32-34, 34-36, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
V-5-20	1126420.3023	214838.8993	52	32-34, 34-36, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nR-5-19	1126341.5224	214848.2023	56	32-34, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nM-4-20	1126237.6596	214882.5901	52	32-34, 36-38, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nM-n5-20	1126238.8452	214850.6145	52	32-34, 36-38, 38-40, 40-42, 42-44, 44-46, 46-48, 48-50, 50-52
nl-99-20	1126164.5684	214971.4931	40	20-22, 24-26, 26-28, 28-30, 32-34, 34-36, 36-38, 38-40
nK-98-20	1126194.0335	214965.8661	40	20-22, 24-26, 26-28, 28-30, 30-32, 32-34, 34-36, 36-38, 38-40

Notes and Abbreviations:

1. Coordinates were surveyed by a licensed land surveyor in May 2020. Coordinates refer to New York State Plane Coordinate System, Long Island Zone, North American Datum of 1983 (NAD 83).
2. Feet below land surface.
3. Soil borings AB-8-20 and nAA-11-20 were drilled deeper than the soil sampling interval because temporary wells were installed and sampled at these locations.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	AB-8-20 AB-8-20(32-34) 4/1/2020 32-34	AB-8-20 AB-8-20(36-38) 4/1/2020 36-38	AB-8-20 AB-8-20(38-40) 4/1/2020 38-40	AB-8-20 AB-8-20(40-42) 4/1/2020 40-42	AB-8-20 REP040120ALH 4/1/2020 40-42	AB-8-20 AB-8-20(42-44) 4/1/2020 42-44	AB-8-20 AB-8-20(44-46) 4/1/2020 44-46	AB-8-20 AB-8-20(48-50) 4/1/2020 48-50	AB-8-20 AB-8-20(50-52) 4/1/2020 50-52	AC-4-20 AC-4-20(32-34) 4/14/2020 32-34	AC-4-20 AC-4-20(34-36) 4/14/2020 34-36	AC-4-20 AC-4-20(36-38) 4/14/2020 36-38
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	**0.00020 J**	**0.026 J**	**0.23**
1,1,2,2-Tetrachloroethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
1,1,2-Trichloroethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	**0.081 J**
1,1-Dichloroethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	**0.011 J**	**0.089 J**
1,1-Dichloroethene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
1,2,4-Trichlorobenzene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037 J	< 0.13 J
1,2-Dibromo-3-chloropropane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037 J	< 0.13 J
1,2-Dibromoethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
1,2-Dichlorobenzene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
1,2-Dichloroethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	**0.011 J**	**0.061 J**
1,2-Dichloropropane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
1,3-Dichlorobenzene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
1,4-Dichlorobenzene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
2-Butanone (MEK)		**0.0024 J**	< 0.0023	< 0.0015	< 0.0033	< 0.0035	< 0.0024	< 0.0028	< 0.0029	< 0.0029	< 0.0032	**0.12 J**	< 0.67
4-Methyl-2-Pentanone		< 0.0034	< 0.0023	< 0.0015	< 0.0033	< 0.0035	< 0.0024	< 0.0028	< 0.0029	< 0.0029	< 0.0032	< 0.19	< 0.67
Acetone		**0.038**	**0.0047**	**0.0042**	**0.0083**	**0.015**	**0.01**	**0.0098**	< 0.0035	**0.0064**	**0.036**	< 0.19	< 0.67
Benzene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Bromodichloromethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Bromoform		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037 J	< 0.13 J
Bromomethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037 J	< 0.13 J
Carbon Disulfide		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Carbon Tetrachloride		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
CFC-11		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
CFC-12		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037 J	< 0.13 J
Chlorobenzene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Chlorodibromomethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Chloroethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Chloroform		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Chloromethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037 J	< 0.13 J
cis-1,2-Dichloroethene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	**0.0011**	**0.0017**	**0.011**	**0.88**	**5.8**
cis-1,3-Dichloropropene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037 J	< 0.13 J
Cyclohexane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Dichloromethane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	**0.00042 J**	< 0.037	**0.083 J**
Ethylbenzene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Isopropylbenzene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
m&p-Xylenes		**0.00015 J**	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Methyl Acetate		< 0.0034	< 0.0023	< 0.0015	< 0.0033	< 0.0035	< 0.0024	< 0.0028	< 0.0029	< 0.0029	< 0.0032	< 0.19 J	< 0.67 J
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0034	< 0.0023	< 0.0015	< 0.0033	< 0.0035	< 0.0024	< 0.0028	< 0.0029	< 0.0029	< 0.0032	< 0.19	< 0.67
Methylcyclohexane		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Methyl-tert-butylether		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
o-Xylene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Styrene (Monomer)		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037	< 0.13
Tetrachloroethene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	**0.044**	< 0.13
Toluene		**0.00028 J**	< 0.00046	< 0.00030	< 0.00067	**0.00020 J**	< 0.00047	**0.00017 J**	< 0.00059	< 0.00057	< 0.00064	**0.057**	**0.12 J**
trans-1,2-Dichloroethene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	**0.00024 J**	**0.021 J**	**0.21**
trans-1,3-Dichloropropene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037 J	< 0.13 J
Trichloroethene		< 0.00068	< 0.00046	< 0.00030	< 0.00067	**0.00012 J**	< 0.00047	**0.00017 J**	**0.00080**	**0.00084**	**0.024**	**5.2**	**42**
Vinyl chloride		< 0.00068	< 0.00046	< 0.00030	< 0.00067	< 0.00071	< 0.00047	< 0.00056	< 0.00059	< 0.00057	< 0.00064	< 0.037 J	< 0.13 J
Total VOCs [4]		**0.041**	**0.0047**	**0.0042**	**0.0083**	**0.015**	**0.01**	**0.01**	**0.0019**	**0.0089**	**0.072**	**6.4**	**49**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	AC-4-20 AC-4-20(38-40) 4/14/2020 38-40	AC-4-20 REP041420ALH 4/14/2020 38-40	AC-4-20 AC-4-20(40-42) 4/14/2020 40-42	AC-4-20 AC-4-20(42-44) 4/14/2020 42-44	AC-4-20 AC-4-20(44-46) 4/14/2020 44-46	AC-4-20 AC-4-20(46-48) 4/14/2020 46-48	AC-4-20 AC-4-20(48-50) 4/14/2020 48-50	AC-4-20 AC-4-20(50-52) 4/14/2020 50-52	AE-4-20 AE-4-20(32-34) 4/29/2020 32-34	AE-4-20 AE-4-20(34-36) 4/29/2020 34-36	AE-4-20 AE-4-20(36-38) 4/29/2020 36-38	AE-4-20 AE-4-20(38-40) 4/29/2020 38-40
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		**0.019 J**	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,1,2,2-Tetrachloroethane		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,1,2-Trichloroethane		**0.022 J**	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,1-Dichloroethane		**0.056**	**0.017 J**	**0.01 J**	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,1-Dichloroethene		**0.018 J**	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,2,4-Trichlorobenzene		< 0.038 J	< 0.045 J	< 0.032 J	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,2-Dibromo-3-chloropropane		< 0.038 J	< 0.045 J	< 0.032 J	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,2-Dibromoethane		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,2-Dichlorobenzene		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,2-Dichloroethane		**0.048**	**0.021 J**	**0.01 J**	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,2-Dichloropropane		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,3-Dichlorobenzene		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
1,4-Dichlorobenzene		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
2-Butanone (MEK)		< 0.19	**0.13 J**	< 0.16	< 0.0025	< 0.0025	**0.0026 J**	**0.0022**	**0.0013 J**	< 0.0030	< 0.0027	< 0.0027	< 0.0029
4-Methyl-2-Pentanone		< 0.19	< 0.23	< 0.16	< 0.0025	< 0.0025	< 0.0033	< 0.0022	< 0.0016	< 0.0030	< 0.0027	< 0.0027	< 0.0029
Acetone		< 0.19	< 0.23	< 0.16	**0.022**	**0.024**	**0.033**	**0.03**	**0.019**	< 0.0036	**0.0071**	**0.0034**	**0.02**
Benzene		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	**0.00015 J**	**0.00071**
Bromodichloromethane		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Bromoform		< 0.038 J	< 0.045 J	< 0.032 J	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Bromomethane		< 0.038 J	< 0.045 J	< 0.032 J	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Carbon Disulfide		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	**0.00025 J**
Carbon Tetrachloride		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
CFC-11		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
CFC-12		< 0.038 J	< 0.045 J	< 0.032 J	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Chlorobenzene		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Chlorodibromomethane		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Chloroethane		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Chloroform		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Chloromethane		< 0.038 J	< 0.045 J	< 0.032 J	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
cis-1,2-Dichloroethene		**2.8 J**	**0.63 J**	**0.39**	**0.0049**	**0.00074**	**0.00038 J**	**0.0011**	**0.0016**	**0.00086**	**0.00024 J**	**0.00040 J**	< 0.00058
cis-1,3-Dichloropropene		< 0.038 J	< 0.045 J	< 0.032 J	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Cyclohexane		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Dichloromethane		**0.22**	**0.042 J**	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Ethylbenzene		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	**0.00042 J**
Isopropylbenzene		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
m&p-Xylenes		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	**0.00015 J**
Methyl Acetate		**0.042 J**	< 0.23 J	< 0.16 J	< 0.0025	< 0.0025	< 0.0033	< 0.0022	< 0.0016	< 0.0030	< 0.0027	< 0.0027	< 0.0029
Methyl N-Butyl Ketone (2-Hexanone)		< 0.19	< 0.23	< 0.16	< 0.0025	< 0.0025	< 0.0033	< 0.0022	< 0.0016	< 0.0030	< 0.0027	< 0.0027	**0.0021 J**
Methylcyclohexane		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Methyl-tert-butylether		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
o-Xylene		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	**0.00026 J**
Styrene (Monomer)		< 0.038	< 0.045	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	**0.00037 J**
Tetrachloroethene		**0.042**	**0.031 J**	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Toluene		**0.06**	**0.04 J**	< 0.032	< 0.00050	< 0.00051	**0.00028 J**	**0.00018 J**	**0.00051**	< 0.00061	< 0.00054	**0.0025**	**0.013**
trans-1,2-Dichloroethene		**0.043**	**0.012 J**	< 0.032	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
trans-1,3-Dichloropropene		< 0.038 J	< 0.045 J	< 0.032 J	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Trichloroethene		**12 J**	**3.2 J**	**0.61**	**0.0039**	**0.00076**	**0.00048 J**	**0.0011**	**0.0015**	**0.00083**	**0.00013 J**	**0.00035 J**	< 0.00058
Vinyl chloride		< 0.038 J	< 0.045 J	< 0.032 J	< 0.00050	< 0.00051	< 0.00066	< 0.00045	< 0.00031	< 0.00061	< 0.00054	< 0.00053	< 0.00058
Total VOCs [4]		**15**	**4.1**	**1.0**	**0.031**	**0.026**	**0.037**	**0.035**	**0.024**	**0.0017**	**0.0075**	**0.0068**	**0.037**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	AE-4-20 / AE-4-20(40-42) / 4/29/2020 / 40-42	AE-4-20 / AE-4-20(42-44) / 4/29/2020 / 42-44	AE-4-20 / AE-4-20(44-46) / 4/29/2020 / 44-46	AE-4-20 / AE-4-20(46-48) / 4/29/2020 / 46-48	AE-4-20 / AE-4-20(48-50) / 4/29/2020 / 48-50	AE-4-20 / AE-4-20(50-52) / 4/29/2020 / 50-52	nAA-11-20 / nAA-11-20(32-34) / 4/16/2020 / 32-34	nAA-11-20 / nAA-11-20(34-36) / 4/16/2020 / 34-36	nAA-11-20 / nAA-11-20(36-38) / 4/16/2020 / 36-38	nAA-11-20 / nAA-11-20(38-40) / 4/16/2020 / 38-40	nAA-11-20 / nAA-11-20(40-42) / 4/16/2020 / 40-42	nAA-11-20 / REP041620ALH / 4/16/2020 / 40-42
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,1,2,2-Tetrachloroethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,1,2-Trichloroethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,1-Dichloroethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,1-Dichloroethene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,2,4-Trichlorobenzene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,2-Dibromo-3-chloropropane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,2-Dibromoethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,2-Dichlorobenzene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,2-Dichloroethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,2-Dichloropropane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,3-Dichlorobenzene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
1,4-Dichlorobenzene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
2-Butanone (MEK)		< 0.0026	< 0.0027	< 0.0032	< 0.0032	< 0.0027	< 0.0030	**0.0025 J**	**0.0012 J**	< 0.0027	< 0.0022	< 0.0026	< 0.0022
4-Methyl-2-Pentanone		< 0.0026	< 0.0027	< 0.0032	< 0.0032	< 0.0027	< 0.0030	< 0.0030	< 0.0022	< 0.0027	< 0.0022	< 0.0026	< 0.0022
Acetone		**0.0054**	**0.0078**	< 0.0038	**0.0067**	< 0.0032	< 0.0036	**0.052**	**0.028**	**0.026**	**0.014**	**0.021**	**0.0037**
Benzene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Bromodichloromethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	**0.00020 J**	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Bromoform		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Bromomethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Carbon Disulfide		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Carbon Tetrachloride		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
CFC-11		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
CFC-12		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Chlorobenzene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Chlorodibromomethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	**0.00020 J**	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Chloroethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Chloroform		< 0.00053	< 0.00054	< 0.00063	< 0.00063	**0.00032 J**	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Chloromethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
cis-1,2-Dichloroethene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	**0.00044 J**	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
cis-1,3-Dichloropropene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Cyclohexane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Dichloromethane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	**0.00050 J**	< 0.00044	**0.00031 J**	< 0.00043
Ethylbenzene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Isopropylbenzene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
m&p-Xylenes		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Methyl Acetate		< 0.0026	< 0.0027	< 0.0032	< 0.0032	< 0.0027	< 0.0030	< 0.0030	< 0.0022	< 0.0027	< 0.0022	< 0.0026	< 0.0022
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0026	< 0.0027	< 0.0032	< 0.0032	< 0.0027	< 0.0030	< 0.0030	< 0.0022	< 0.0027	< 0.0022	< 0.0026	< 0.0022
Methylcyclohexane		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Methyl-tert-butylether		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
o-Xylene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Styrene (Monomer)		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Tetrachloroethene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Toluene		< 0.00053	**0.00016 J**	< 0.00063	< 0.00063	< 0.00054	< 0.00060	**0.00017 J**	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
trans-1,2-Dichloroethene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
trans-1,3-Dichloropropene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Trichloroethene		< 0.00053	< 0.00054	< 0.00063	< 0.00063	**0.00035 J**	**0.00042 J**	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Vinyl chloride		< 0.00053	< 0.00054	< 0.00063	< 0.00063	< 0.00054	< 0.00060	< 0.00060	< 0.00044	< 0.00053	< 0.00044	< 0.00052	< 0.00043
Total VOCs [4]		**0.0054**	**0.008**	0.0	**0.0067**	**0.0015**	**0.00042**	**0.055**	**0.029**	**0.027**	**0.014**	**0.021**	**0.0037**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nAA-11-20 / nAA-11-20(42-44) / 4/16/2020 / 42-44	nAA-11-20 / nAA-11-20(44-46) / 4/16/2020 / 44-46	nAA-11-20 / nAA-11-20(46-48) / 4/16/2020 / 46-48	nAA-11-20 / nAA-11-20(48-50) / 4/16/2020 / 48-50	nAA-11-20 / nAA-11-20(50-52) / 4/16/2020 / 50-52	nAB-n3-20 / nAB-n3-20(32-34) / 3/30/2020 / 32-34	nAB-n3-20 / nAB-n3-20(34-36) / 3/30/2020 / 34-36	nAB-n3-20 / nAB-n3-20(36-38) / 3/30/2020 / 36-38	nAB-n3-20 / nAB-n3-20(38-40) / 3/30/2020 / 38-40	nAB-n3-20 / nAB-n3-20(40-42) / 3/30/2020 / 40-42	nAB-n3-20 / REP033020BW / 3/30/2020 / 40-42	nAB-n3-20 / nAB-n3-20(42-44) / 3/30/2020 / 42-44
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	**0.00012 J**	**0.00017 J**	< 0.00035
1,1,2,2-Tetrachloroethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
1,1,2-Trichloroethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	**0.000094 J**	**0.000094 J**	< 0.00035
1,1-Dichloroethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	**0.00088**	**0.00090**	**0.00091**
1,1-Dichloroethene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	**0.00066**	**0.00073**	**0.00038**
1,2,4-Trichlorobenzene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
1,2-Dibromo-3-chloropropane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
1,2-Dibromoethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
1,2-Dichlorobenzene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
1,2-Dichloroethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	**0.00012 J**	< 0.00045	**0.00022 J**
1,2-Dichloropropane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
1,3-Dichlorobenzene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
1,4-Dichlorobenzene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
2-Butanone (MEK)		< 0.0025	**0.0020 J**	< 0.0027	**0.0018 J**	< 0.0018	**0.0025 J**	< 0.0032	< 0.0029	< 0.0021	< 0.0020	< 0.0023	< 0.0018
4-Methyl-2-Pentanone		< 0.0025	< 0.0023	< 0.0027	< 0.0024	< 0.0018	< 0.0031	< 0.0032	< 0.0029	< 0.0021	< 0.0020	< 0.0023	< 0.0018
Acetone		**0.0062**	**0.043**	**0.011**	**0.042**	**0.0091**	**0.039**	**0.0045**	**0.0040**	**0.0034**	**0.0098**	**0.018**	< 0.0021
Benzene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Bromodichloromethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Bromoform		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Bromomethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Carbon Disulfide		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	**0.00023 J**	< 0.00058	< 0.00043	**0.00012 J**	**0.00014 J**	< 0.00035
Carbon Tetrachloride		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
CFC-11		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
CFC-12		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	**0.00016 J**	< 0.00045	< 0.00035
Chlorobenzene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Chlorodibromomethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Chloroethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Chloroform		< 0.00050	< 0.00047	< 0.00053	**0.00015 J**	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Chloromethane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
cis-1,2-Dichloroethene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	**0.00010 J**	**0.035**	**0.039**	**0.027**
cis-1,3-Dichloropropene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Cyclohexane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Dichloromethane		< 0.00050	< 0.00047	**0.00058**	< 0.00048	**0.00018 J**	**0.00031 J**	< 0.00064	< 0.00058	< 0.00043	**0.00023 J**	**0.00027 J**	**0.00028 J**
Ethylbenzene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Isopropylbenzene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
m&p-Xylenes		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	**0.00017 J**	< 0.00064	< 0.00058	< 0.00043	**0.000073 J**	**0.00011 J**	< 0.00035
Methyl Acetate		< 0.0025	< 0.0023	< 0.0027	< 0.0024	< 0.0018	< 0.0031	< 0.0032	< 0.0029	< 0.0021	< 0.0020	< 0.0023	< 0.0018
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0025	< 0.0023	< 0.0027	< 0.0024	< 0.0018	< 0.0031	< 0.0032	< 0.0029	< 0.0021	< 0.0020	< 0.0023	< 0.0018
Methylcyclohexane		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Methyl-tert-butylether		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	**0.000063 J**	**0.000090 J**	**0.000059 J**
o-Xylene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Styrene (Monomer)		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Tetrachloroethene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	**0.0011**	**0.0014**	**0.00032 J**
Toluene		< 0.00050	**0.00011 J**	< 0.00053	**0.00012 J**	< 0.00036	**0.00026 J**	**0.00017 J**	< 0.00058	< 0.00043	**0.0011**	**0.0013**	**0.00035**
trans-1,2-Dichloroethene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	**0.0013**	**0.0013**	**0.00080**
trans-1,3-Dichloropropene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Trichloroethene		< 0.00050	< 0.00047	< 0.00053	< 0.00048	**0.00017 J**	< 0.00063	< 0.00064	**0.00010 J**	**0.00020 J**	**0.15**	**0.16**	**0.1**
Vinyl chloride		< 0.00050	< 0.00047	< 0.00053	< 0.00048	< 0.00036	< 0.00063	< 0.00064	< 0.00058	< 0.00043	< 0.00040	< 0.00045	< 0.00035
Total VOCs [4]		**0.0062**	**0.045**	**0.012**	**0.044**	**0.0095**	**0.042**	**0.0049**	**0.0041**	**0.0037**	**0.2**	**0.22**	**0.13**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nAB-n3-20 nAB-n3-20(44-46) 3/30/2020 44-46	nAB-n3-20 nAB-n3-20(46-48) 3/30/2020 46-48	nAB-n3-20 nAB-n3-20(48-50) 3/30/2020 48-50	nAB-n5-20 nAB-n5-20(32-34) 3/31/2020 32-34	nAB-n5-20 nAB-n5-20(36-38) 3/31/2020 36-38	nAB-n5-20 nAB-n5-20(40-42) 3/31/2020 40-42	nAB-n5-20 nAB-n5-20(42-44) 3/31/2020 42-44	nAB-n5-20 nAB-n5-20(44-46) 3/31/2020 44-46	nAB-n5-20 nAB-n5-20(46-48) 3/31/2020 46-48	nAB-n5-20 nAB-n5-20(48-50) 3/31/2020 48-50	nAB-n5-20 nAB-n5-20(50-52) 3/31/2020 50-52	nAC-n6-20 nAC-n6-20(32-34) 4/15/2020 32-34
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	**0.049 J**	**0.095**	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,1,2,2-Tetrachloroethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,1,2-Trichloroethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	**0.031 J**	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,1-Dichloroethane		**0.00090**	< 0.00049	< 0.00057	< 0.00052	**0.044 J**	**0.17**	**0.0062**	< 0.00048	< 0.00050	**0.00046 J**	< 0.00057	< 0.00060
1,1-Dichloroethene		**0.00031 J**	< 0.00049	< 0.00057	< 0.00052	< 0.11	**0.033 J**	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,2,4-Trichlorobenzene		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,2-Dibromo-3-chloropropane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,2-Dibromoethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,2-Dichlorobenzene		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,2-Dichloroethane		**0.00023 J**	< 0.00049	< 0.00057	< 0.00052	< 0.11	**0.08**	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,2-Dichloropropane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,3-Dichlorobenzene		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
1,4-Dichlorobenzene		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
2-Butanone (MEK)		< 0.0023	**0.0021 J**	**0.0033**	**0.0019 J**	< 0.54	< 0.23	**0.0038 J**	< 0.0024	< 0.0025	< 0.0024	< 0.0029	**0.0031**
4-Methyl-2-Pentanone		< 0.0023	< 0.0025	< 0.0028	< 0.0026	< 0.54	< 0.23	< 0.0050	< 0.0024	< 0.0025	< 0.0024	< 0.0029	< 0.0030
Acetone		< 0.0028	**0.039**	**0.015**	**0.021**	< 0.54	< 0.23	**0.066**	**0.01**	**0.0054**	< 0.0029	**0.0078**	**0.054**
Benzene		< 0.00046	< 0.00049	**0.00093**	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Bromodichloromethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Bromoform		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Bromomethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Carbon Disulfide		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	**0.00058 J**	< 0.00048	< 0.00050	< 0.00049	**0.00047 J**	< 0.00060
Carbon Tetrachloride		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
CFC-11		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
CFC-12		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Chlorobenzene		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Chlorodibromomethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Chloroethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Chloroform		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	**0.022 J**	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Chloromethane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
cis-1,2-Dichloroethene		**0.026**	**0.0013**	**0.0016**	< 0.00052	**4.9**	**9.7**	**0.00083 J**	**0.0014**	**0.0020**	**0.0098**	**0.0053**	< 0.00060
cis-1,3-Dichloropropene		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Cyclohexane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Dichloromethane		< 0.00046	< 0.00049	**0.00037 J**	< 0.00052	< 0.11	**0.057**	**0.058**	**0.00025 J**	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Ethylbenzene		< 0.00046	< 0.00049	**0.00027 J**	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Isopropylbenzene		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
m&p-Xylenes		< 0.00046	**0.00011 J**	**0.00027 J**	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Methyl Acetate		< 0.0023	< 0.0025	< 0.0028	< 0.0026	< 0.54	< 0.23	< 0.0050	< 0.0024	< 0.0025	< 0.0024	< 0.0029	< 0.0030
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0023	< 0.0025	< 0.0028	< 0.0026	< 0.54	< 0.23	< 0.0050	< 0.0024	< 0.0025	< 0.0024	< 0.0029	< 0.0030
Methylcyclohexane		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Methyl-tert-butylether		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	**0.00049 J**	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
o-Xylene		< 0.00046	< 0.00049	**0.00035 J**	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Styrene (Monomer)		< 0.00046	< 0.00049	**0.00017 J**	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Tetrachloroethene		**0.000093 J**	< 0.00049	< 0.00057	< 0.00052	**0.057 J**	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Toluene		< 0.00046	**0.00020 J**	**0.0020**	**0.00025 J**	**0.087 J**	< 0.047	< 0.0010	**0.00013 J**	< 0.00050	< 0.00049	**0.00046 J**	**0.00022 J**
trans-1,2-Dichloroethene		**0.00064**	< 0.00049	< 0.00057	< 0.00052	**0.052 J**	**0.071**	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
trans-1,3-Dichloropropene		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	< 0.0010	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Trichloroethene		**0.075**	**0.0039**	**0.0027**	< 0.00052	**31**	**5.7**	**0.00078 J**	**0.0013**	**0.0024**	**0.013**	**0.0083**	< 0.00060
Vinyl chloride		< 0.00046	< 0.00049	< 0.00057	< 0.00052	< 0.11	< 0.047	**0.0043**	< 0.00048	< 0.00050	< 0.00049	< 0.00057	< 0.00060
Total VOCs [4]		**0.1**	**0.047**	**0.027**	**0.023**	**36**	**16**	**0.14**	**0.013**	**0.0098**	**0.023**	**0.022**	**0.057**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nAC-n6-20 nAC-n6-20(34-36) 4/15/2020 34-36	nAC-n6-20 nAC-n6-20(36-38) 4/15/2020 36-38	nAC-n6-20 nAC-n6-20(38-40) 4/15/2020 38-40	nAC-n6-20 nAC-n6-20(40-42) 4/15/2020 40-42	nAC-n6-20 nAC-n6-20(42-44) 4/15/2020 42-44	nAC-n6-20 nAC-n6-20(44-46) 4/15/2020 44-46	nAC-n6-20 nAC-n6-20(46-48) 4/15/2020 46-48	nAC-n6-20 nAC-n6-20(48-50) 4/15/2020 48-50	nAD-7-20 nAD-7-20(32-34) 5/1/2020 32-34	nAD-7-20 nAD-7-20(34-36) 5/1/2020 34-36	nAD-7-20 nAD-7-20(36-38) 5/1/2020 36-38	nAD-7-20 nAD-7-20(38-40) 5/1/2020 38-40
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,1,2,2-Tetrachloroethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,1,2-Trichloroethane		< 0.00051	< 0.00065	< 0.00030	**0.00036 J**	< 0.088	**0.00019 J**	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,1-Dichloroethane		< 0.00051	< 0.00065	< 0.00030	**0.0026 J**	**0.052 J**	**0.0011**	**0.00031 J**	**0.00040 J**	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,1-Dichloroethene		< 0.00051	< 0.00065	< 0.00030	**0.0014 J**	**0.064 J**	**0.00021 J**	< 0.00042	**0.00020 J**	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,2,4-Trichlorobenzene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,2-Dibromo-3-chloropropane		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,2-Dibromoethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,2-Dichlorobenzene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,2-Dichloroethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	**0.00044**	**0.00021 J**	**0.00016 J**	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,2-Dichloropropane		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,3-Dichlorobenzene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
1,4-Dichlorobenzene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
2-Butanone (MEK)		< 0.0025	< 0.0033	< 0.0015	< 0.0050	< 0.44	< 0.0018	< 0.0021	< 0.0022	< 0.0020	**0.0022 J**	< 0.0032	< 0.0024
4-Methyl-2-Pentanone		< 0.0025	< 0.0033	< 0.0015	< 0.0050 J	< 0.44	< 0.0018	< 0.0021	< 0.0022	< 0.0020	< 0.0027	< 0.0032	< 0.0024
Acetone		**0.01**	**0.012**	< 0.0018	**0.053 J**	< 0.44	**0.0068**	**0.011**	**0.039**	**0.014**	**0.033**	**0.0078**	**0.0087**
Benzene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Bromodichloromethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Bromoform		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Bromomethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Carbon Disulfide		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	**0.00014 J**
Carbon Tetrachloride		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
CFC-11		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
CFC-12		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Chlorobenzene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Chlorodibromomethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Chloroethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Chloroform		< 0.00051	< 0.00065	< 0.00030	**0.00033 J**	< 0.088	**0.00015 J**	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Chloromethane		< 0.00051	< 0.00065	< 0.00030	< 0.0010	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
cis-1,2-Dichloroethene		< 0.00051	**0.0015**	**0.0061**	**0.29**	**11**	**0.078**	**0.024**	**0.026**	< 0.00041	< 0.00054	**0.00012 J**	**0.00016 J**
cis-1,3-Dichloropropene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Cyclohexane		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Dichloromethane		< 0.00051	< 0.00065	< 0.00030	**0.0034 J**	< 0.088 B	**0.0025**	< 0.00072 B	< 0.00089 B	< 0.00041	< 0.00054	< 0.00064	**0.00022 J**
Ethylbenzene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Isopropylbenzene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
m&p-Xylenes		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Methyl Acetate		< 0.0025	< 0.0033	< 0.0015	< 0.0050 J	< 0.44	< 0.0018	< 0.0021	< 0.0022	< 0.0020	< 0.0027	< 0.0032	< 0.0024
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0025	< 0.0033	< 0.0015	< 0.0050 J	< 0.44	< 0.0018	< 0.0021	< 0.0022	< 0.0020	< 0.0027	< 0.0032	< 0.0024
Methylcyclohexane		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Methyl-tert-butylether		< 0.00051	< 0.00065	< 0.00030	**0.00024 J**	< 0.088	**0.000068 J**	< 0.00042	**0.000064 J**	< 0.00041	< 0.00054	< 0.00064	< 0.00047
o-Xylene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Styrene (Monomer)		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Tetrachloroethene		< 0.00051	< 0.00065	< 0.00030	**0.0013 J**	**0.12**	**0.000072 J**	< 0.00042	**0.00022 J**	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Toluene		< 0.00051	< 0.00065	< 0.00030	**0.0012 J**	**0.15**	< 0.00036	< 0.00042	**0.00032 J**	< 0.00041	**0.00017 J**	< 0.00064	**0.00016 J**
trans-1,2-Dichloroethene		< 0.00051	< 0.00065	< 0.00030	**0.0030 J**	**0.28**	**0.00057**	**0.00012 J**	**0.00061**	< 0.00041	< 0.00054	< 0.00064	< 0.00047
trans-1,3-Dichloropropene		< 0.00051	< 0.00065	< 0.00030	< 0.0010 J	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Trichloroethene		< 0.00051	**0.0011**	**0.0018**	**0.26**	**37**	**0.043**	**0.012**	**0.061**	**0.00015 J**	< 0.00054	**0.00022 J**	**0.00019 J**
Vinyl chloride		< 0.00051	< 0.00065	< 0.00030	**0.00096 J**	< 0.088	< 0.00036	< 0.00042	< 0.00043	< 0.00041	< 0.00054	< 0.00064	< 0.00047
Total VOCs [4]		**0.01**	**0.015**	**0.0079**	**0.62**	**49**	**0.13**	**0.048**	**0.13**	**0.014**	**0.035**	**0.0081**	**0.0096**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nAD-7-20 nAD-7-20(40-42) 5/1/2020 40-42	nAD-7-20 nAD-7-20(42-44) 5/1/2020 42-44	nAD-7-20 nAD-7-20(44-46) 5/1/2020 44-46	nAD-7-20 nAD-7-20(46-48) 5/1/2020 46-48	nAD-7-20 nAD-7-20(48-50) 5/1/2020 48-50	nAD-7-20 nAD-7-20(50-52) 5/1/2020 50-52	nAD-n3-20 nAD-n3-20(32-34) 4/28/2020 32-34	nAD-n3-20 nAD-n3-20(34-36) 4/28/2020 34-36	nAD-n3-20 nAD-n3-20(36-38) 4/28/2020 36-38	nAD-n3-20 REP042820ALH 4/28/2020 36-38	nAD-n3-20 nAD-n3-20(38-40) 4/28/2020 38-40	nAD-n3-20 nAD-n3-20(40-42) 4/28/2020 40-42
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,1,2,2-Tetrachloroethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,1,2-Trichloroethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,1-Dichloroethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,1-Dichloroethene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,2,4-Trichlorobenzene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,2-Dibromo-3-chloropropane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,2-Dibromoethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,2-Dichlorobenzene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,2-Dichloroethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,2-Dichloropropane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,3-Dichlorobenzene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
1,4-Dichlorobenzene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
2-Butanone (MEK)		< 0.0057	**0.045**	**0.0032**	**0.0036**	< 0.0025	**0.0024 J**	< 0.0025	< 0.0028	< 0.0037	**0.0020 J**	< 0.0039	< 0.0025
4-Methyl-2-Pentanone		< 0.0057	< 0.0028	< 0.0028	< 0.0030	< 0.0025	< 0.0030	< 0.0025	< 0.0028	< 0.0037	< 0.0035	< 0.0039	< 0.0025
Acetone		**0.0081**	**0.09**	**0.01**	**0.027**	**0.014**	**0.028**	**0.034**	**0.018**	**0.028**	**0.048**	**0.017**	**0.0096**
Benzene		< 0.0011	**0.0028**	**0.00036 J**	< 0.00060	< 0.00049	**0.00050 J**	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Bromodichloromethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Bromoform		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Bromomethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Carbon Disulfide		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Carbon Tetrachloride		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
CFC-11		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
CFC-12		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Chlorobenzene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Chlorodibromomethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Chloroethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Chloroform		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Chloromethane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
cis-1,2-Dichloroethene		< 0.0011	< 0.00055	< 0.00056	**0.00030 J**	**0.0033**	**0.00095**	< 0.00050	< 0.00057	< 0.00074	< 0.00070	**0.0028**	**0.0039**
cis-1,3-Dichloropropene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Cyclohexane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Dichloromethane		< 0.0011	**0.00027 J**	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Ethylbenzene		< 0.0011	**0.0015**	< 0.00056	< 0.00060	< 0.00049	**0.00013 J**	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Isopropylbenzene		< 0.0011	**0.000094 J**	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
m&p-Xylenes		< 0.0011	**0.00071**	< 0.00056	< 0.00060	< 0.00049	**0.00020 J**	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Methyl Acetate		< 0.0057	< 0.0028	< 0.0028	< 0.0030	< 0.0025	< 0.0030	< 0.0025	< 0.0028	< 0.0037	< 0.0035	< 0.0039	< 0.0025
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0057	**0.0071**	< 0.0028	< 0.0030	< 0.0025	< 0.0030	< 0.0025	< 0.0028	< 0.0037	< 0.0035	< 0.0039	< 0.0025
Methylcyclohexane		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Methyl-tert-butylether		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
o-Xylene		< 0.0011	**0.0022**	< 0.00056	< 0.00060	< 0.00049	**0.00018 J**	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Styrene (Monomer)		< 0.0011	**0.0015**	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Tetrachloroethene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Toluene		**0.00048 J**	**0.017**	**0.00084**	**0.00026 J**	**0.00012 J**	**0.00059 J**	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
trans-1,2-Dichloroethene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
trans-1,3-Dichloropropene		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Trichloroethene		< 0.0011	< 0.00055	< 0.00056	**0.00015 J**	**0.0013**	**0.0013**	< 0.00050	**0.00015 J**	< 0.00074	< 0.00070	**0.0021**	**0.0037**
Vinyl chloride		< 0.0011	< 0.00055	< 0.00056	< 0.00060	< 0.00049	< 0.00061	< 0.00050	< 0.00057	< 0.00074	< 0.00070	< 0.00079	< 0.00050
Total VOCs [4]		**0.0086**	**0.17**	**0.014**	**0.031**	**0.019**	**0.034**	**0.034**	**0.018**	**0.028**	**0.05**	**0.022**	**0.017**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nAD-n3-20 nAD-n3-20(42-44) 4/28/2020 42-44	nAD-n3-20 nAD-n3-20(44-46) 4/28/2020 44-46	nAD-n3-20 nAD-n3-20(46-48) 4/28/2020 46-48	nAD-n3-20 nAD-n3-20(48-50) 4/28/2020 48-50	nAD-n3-20 nAD-n3-20(50-52) 4/28/2020 50-52	nAE-n6-20 nAE-n6-20(32-34) 4/30/2020 32-34	nAE-n6-20 nAE-n6-20(34-36) 4/30/2020 34-36	nAE-n6-20 nAE-n6-20(36-38) 4/30/2020 36-38	nAE-n6-20 nAE-n6-20(38-40) 4/30/2020 38-40	nAE-n6-20 nAE-n6-20(40-42) 4/30/2020 40-42	nAE-n6-20 nAE-n6-20(42-44) 4/30/2020 42-44	nAE-n6-20 nAE-n6-20(44-46) 4/30/2020 44-46
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,1,2,2-Tetrachloroethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,1,2-Trichloroethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,1-Dichloroethane		**0.00018 J**	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,1-Dichloroethene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,2,4-Trichlorobenzene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,2-Dibromo-3-chloropropane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,2-Dibromoethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,2-Dichlorobenzene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,2-Dichloroethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,2-Dichloropropane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,3-Dichlorobenzene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
1,4-Dichlorobenzene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
2-Butanone (MEK)		< 0.0029	**1.2**	**0.0017 J**	**0.0020 J**	< 0.0021	< 0.0020	< 0.0033	< 0.0027	< 0.0028	< 0.0027	< 0.0031	< 0.0020
4-Methyl-2-Pentanone		< 0.0029	< 0.13	< 0.0020	< 0.0023	< 0.0021	< 0.0020	< 0.0033	< 0.0027	< 0.0028	< 0.0027	< 0.0031	< 0.0020
Acetone		**0.019**	**3**	**0.0065**	**0.04**	**0.014**	**0.0031**	**0.019**	**0.015**	**0.01**	**0.011**	**0.014**	**0.018**
Benzene		< 0.00057	**0.029**	**0.00050**	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Bromodichloromethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Bromoform		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Bromomethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Carbon Disulfide		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Carbon Tetrachloride		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
CFC-11		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
CFC-12		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Chlorobenzene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Chlorodibromomethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Chloroethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Chloroform		< 0.00057	< 0.026	< 0.00040	**0.00026 J**	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Chloromethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
cis-1,2-Dichloroethene		**0.0069**	< 0.026	< 0.00040	**0.00036 J**	**0.0015**	**0.00043**	< 0.00066	**0.00022 J**	**0.00036 J**	**0.00027 J**	< 0.00062	**0.00014 J**
cis-1,3-Dichloropropene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Cyclohexane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Dichloromethane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	**0.00042 J**	< 0.00062	< 0.00040
Ethylbenzene		< 0.00057	**0.13**	**0.00024 J**	**0.00012 J**	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Isopropylbenzene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
m&p-Xylenes		< 0.00057	**0.095**	**0.00015 J**	**0.00014 J**	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Methyl Acetate		< 0.0029	**0.024 J**	< 0.0020	< 0.0023	< 0.0021	< 0.0020	< 0.0033	< 0.0027	< 0.0028	< 0.0027	< 0.0031	< 0.0020
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0029	**0.45**	< 0.0020	< 0.0023	< 0.0021	< 0.0020	< 0.0033	< 0.0027	< 0.0028	< 0.0027	< 0.0031	< 0.0020
Methylcyclohexane		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Methyl-tert-butylether		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
o-Xylene		< 0.00057	**0.17**	**0.00017 J**	**0.00017 J**	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Styrene (Monomer)		< 0.00057	**0.088**	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Tetrachloroethene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Toluene		< 0.00057	**0.49**	**0.0025**	**0.00036 J**	**0.00017 J**	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	**0.00041**
trans-1,2-Dichloroethene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
trans-1,3-Dichloropropene		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Trichloroethene		**0.0082**	< 0.026	< 0.00040	**0.00046 J**	**0.0020**	**0.00028 J**	< 0.00066	**0.00010 J**	**0.00027 J**	**0.00017 J**	< 0.00062	**0.00013 J**
Vinyl chloride		< 0.00057	< 0.026	< 0.00040	< 0.00047	< 0.00043	< 0.00041	< 0.00066	< 0.00054	< 0.00056	< 0.00054	< 0.00062	< 0.00040
Total VOCs [4]		**0.034**	**5.7**	**0.012**	**0.044**	**0.018**	**0.0038**	**0.019**	**0.015**	**0.011**	**0.012**	**0.014**	**0.019**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nAE-n6-20 REP043020ALH 4/30/2020 44-46	nAE-n6-20 nAE-n6-20(46-48) 4/30/2020 46-48	nAE-n6-20 nAE-n6-20(48-50) 4/30/2020 48-50	nAE-n6-20 nAE-n6-20(50-52) 4/30/2020 50-52	nI-99-20 nI-99-20(20-22) 5/13/2020 20-22	nI-99-20 nI-99-20(24-26) 5/13/2020 24-26	nI-99-20 nI-99-20(26-28) 5/13/2020 26-28	nI-99-20 nI-99-20(28-30) 5/13/2020 28-30	nI-99-20 nI-99-20(32-34) 5/13/2020 32-34	nI-99-20 nI-99-20(34-36) 5/13/2020 34-36	nI-99-20 nI-99-20(36-38) 5/13/2020 36-38	nI-99-20 nI-99-20(38-40) 5/13/2020 38-40
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,1,2,2-Tetrachloroethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,1,2-Trichloroethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,1-Dichloroethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,1-Dichloroethene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,2,4-Trichlorobenzene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,2-Dibromo-3-chloropropane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,2-Dibromoethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,2-Dichlorobenzene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,2-Dichloroethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,2-Dichloropropane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,3-Dichlorobenzene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
1,4-Dichlorobenzene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
2-Butanone (MEK)		**0.0015 J**	< 0.0022	< 0.0028	< 0.0018	**0.0019 J**	**0.0024**	< 0.0024	< 0.0023	**0.11 J**	< 0.0023	< 0.17	**0.14 J**
4-Methyl-2-Pentanone		< 0.0024	< 0.0022	< 0.0028	< 0.0018	< 0.0028	< 0.0024	< 0.0024	< 0.0023	< 0.23	< 0.0023	< 0.17	< 0.25
Acetone		**0.031**	**0.028**	**0.0037**	**0.0063**	**0.033**	**0.024**	**0.043**	< 0.0028	< 0.23	< 0.0028	< 0.17	< 0.25
Benzene		< 0.00048	**0.00027 J**	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Bromodichloromethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Bromoform		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Bromomethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Carbon Disulfide		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Carbon Tetrachloride		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
CFC-11		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047 J	< 0.00046	< 0.034	< 0.049
CFC-12		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Chlorobenzene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Chlorodibromomethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Chloroethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047 J	< 0.00046	< 0.034	< 0.049
Chloroform		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Chloromethane		< 0.00048	**0.0010**	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
cis-1,2-Dichloroethene		< 0.00048	< 0.00045	**0.0011**	**0.00022 J**	< 0.00056	< 0.00047	< 0.00049	< 0.00046	**0.032 J**	**0.0030**	**0.058**	**0.22**
cis-1,3-Dichloropropene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Cyclohexane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Dichloromethane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	**0.00035 J**	< 0.00049	< 0.00046	< 0.047	< 0.00046	**0.017 J**	**0.069**
Ethylbenzene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	**0.02 J**	< 0.00046	< 0.034	< 0.049
Isopropylbenzene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
m&p-Xylenes		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	**1.1 J**	**0.0011**	**0.023 J**	< 0.049
Methyl Acetate		< 0.0024	< 0.0022	< 0.0028	< 0.0018	< 0.0028	< 0.0024	< 0.0024	< 0.0023	< 0.23	< 0.0023	< 0.17	< 0.25
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0024	< 0.0022	< 0.0028	< 0.0018	< 0.0028	< 0.0024	< 0.0024	< 0.0023	< 0.23	< 0.0023	< 0.17	< 0.25
Methylcyclohexane		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Methyl-tert-butylether		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
o-Xylene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	**0.6**	**0.00082**	**0.014 J**	< 0.049
Styrene (Monomer)		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Tetrachloroethene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	**0.11**	**0.00036 J**	< 0.034	< 0.049
Toluene		**0.00027 J**	**0.013**	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	**0.019 J**	< 0.00046	< 0.034	< 0.049
trans-1,2-Dichloroethene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	**0.00019 J**	< 0.034	< 0.049
trans-1,3-Dichloropropene		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Trichloroethene		< 0.00048	< 0.00045	**0.00069**	**0.00033 J**	< 0.00056	< 0.00047	< 0.00049	< 0.00046	**0.93 J**	**0.087**	**2**	**6.3**
Vinyl chloride		< 0.00048	< 0.00045	< 0.00056	< 0.00036	< 0.00056	< 0.00047	< 0.00049	< 0.00046	< 0.047	< 0.00046	< 0.034	< 0.049
Total VOCs [4]		**0.033**	**0.042**	**0.0055**	**0.0069**	**0.035**	**0.027**	**0.043**	0.0	**2.9**	**0.092**	**2.1**	**6.7**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nK-98-20 / nK-98-20(20-22) / 5/12/2020 / 20-22	nK-98-20 / nK-98-20(24-26) / 5/12/2020 / 24-26	nK-98-20 / nK-98-20(26-28) / 5/12/2020 / 26-28	nK-98-20 / nK-98-20(28-30) / 5/12/2020 / 28-30	nK-98-20 / nK-98-20(30-32) / 5/12/2020 / 30-32	nK-98-20 / nK-98-20(32-34) / 5/12/2020 / 32-34	nK-98-20 / REP051220ALH / 5/12/2020 / 32-34	nK-98-20 / nK-98-20(34-36) / 5/12/2020 / 34-36	nK-98-20 / nK-98-20(36-38) / 5/12/2020 / 36-38	nK-98-20 / nK-98-20(38-40) / 5/12/2020 / 38-40	nL-n3-20 / nL-n3-20(32-34) / 4/2/2020 / 32-34	nL-n3-20 / nL-n3-20(34-36) / 4/2/2020 / 34-36
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	**0.00039 J**	< 0.26	< 0.00079	< 0.037	**0.00099**	< 0.00047	< 0.00056
1,1,2,2-Tetrachloroethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
1,1,2-Trichloroethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
1,1-Dichloroethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	**0.00062**	< 0.00047	< 0.00056
1,1-Dichloroethene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	**0.00026 J**	< 0.00047	< 0.00056
1,2,4-Trichlorobenzene		< 0.00098 J	< 0.00041 J	< 0.00047 J	< 0.19	< 0.18	< 0.00099 J	< 0.26	< 0.00079 J	< 0.037	< 0.00053 J	< 0.00047	< 0.00056
1,2-Dibromo-3-chloropropane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
1,2-Dibromoethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
1,2-Dichlorobenzene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
1,2-Dichloroethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
1,2-Dichloropropane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
1,3-Dichlorobenzene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
1,4-Dichlorobenzene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
2-Butanone (MEK)		**0.0058**	< 0.0020	< 0.0024	< 0.96	< 0.91	< 0.0050	< 1.3	< 0.0039	< 0.18	< 0.0026	< 0.0023	< 0.0028
4-Methyl-2-Pentanone		< 0.0049	< 0.0020	< 0.0024	< 0.96	< 0.91	< 0.0050	< 1.3	< 0.0039	< 0.18	< 0.0026	< 0.0023	< 0.0028
Acetone		**0.33**	**0.021**	**0.027**	< 0.96	< 0.91	**0.042**	< 1.3	**0.03**	< 0.18	**0.02**	**0.012**	**0.015**
Benzene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Bromodichloromethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Bromoform		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Bromomethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Carbon Disulfide		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	**0.00020 J**	< 0.00047	< 0.00056
Carbon Tetrachloride		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
CFC-11		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
CFC-12		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Chlorobenzene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Chlorodibromomethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Chloroethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Chloroform		**0.00032 J**	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	**0.00039 J**	< 0.00047	< 0.00056
Chloromethane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
cis-1,2-Dichloroethene		< 0.00098	< 0.00041	< 0.00047	**0.59**	**0.49 J**	**0.0022**	**1.8 J**	**0.00088**	**0.022 J**	**0.0075**	< 0.00047	< 0.00056
cis-1,3-Dichloropropene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Cyclohexane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Dichloromethane		**0.0020**	< 0.00041	**0.00026 J**	< 0.19	< 0.18	**0.0020**	< 0.26	**0.00083**	< 0.037	**0.0030**	< 0.00047	< 0.00056
Ethylbenzene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Isopropylbenzene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
m&p-Xylenes		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Methyl Acetate		< 0.0049	< 0.0020	< 0.0024	< 0.96	< 0.91	< 0.0050	< 1.3	< 0.0039	< 0.18	< 0.0026	< 0.0023	< 0.0028
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0049	< 0.0020	< 0.0024	< 0.96	< 0.91	< 0.0050	< 1.3	< 0.0039	< 0.18	< 0.0026	< 0.0023	< 0.0028
Methylcyclohexane		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Methyl-tert-butylether		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
o-Xylene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Styrene (Monomer)		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Tetrachloroethene		< 0.00098	< 0.00041	< 0.00047	**0.071 J**	< 0.18 J	< 0.00099	**1.2 J**	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Toluene		< 0.00098	< 0.00041	< 0.00047	**1.6**	**0.42**	**0.00036 J**	**0.78**	**0.00022 J**	< 0.037	**0.00058**	**0.00016 J**	**0.00019 J**
trans-1,2-Dichloroethene		< 0.00098	< 0.00041	< 0.00047	**0.069 J**	**0.035 J**	< 0.00099	**0.086 J**	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
trans-1,3-Dichloropropene		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Trichloroethene		< 0.00098	< 0.00041	**0.00044 J**	**42**	**20 J**	**0.038**	**69 J**	**0.016**	**0.49**	**0.13**	< 0.00047	< 0.00056
Vinyl chloride		< 0.00098	< 0.00041	< 0.00047	< 0.19	< 0.18	< 0.00099	< 0.26	< 0.00079	< 0.037	< 0.00053	< 0.00047	< 0.00056
Total VOCs [4]		**0.34**	**0.021**	**0.028**	**44**	**21**	**0.085**	**73**	**0.048**	**0.51**	**0.16**	**0.012**	**0.015**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nL-n3-20 nL-n3-20(36-38) 4/2/2020 36-38	nL-n3-20 nL-n3-20(40-42) 4/2/2020 40-42	nL-n3-20 nL-n3-20(42-44) 4/2/2020 42-44	nL-n3-20 nL-n3-20(44-46) 4/2/2020 44-46	nL-n3-20 nL-n3-20(46-48) 4/2/2020 46-48	nL-n3-20 nL-n3-20(48-50) 4/2/2020 48-50	nL-n3-20 nL-n3-20(50-52) 4/2/2020 50-52	nM-4-20 nM-4-20(32-34) 3/9/2020 32-34	nM-4-20 nM-4-20(36-38) 3/9/2020 36-38	nM-4-20 nM-4-20(40-42) 3/9/2020 40-42	nM-4-20 REP030920ALH 3/9/2020 40-42	nM-4-20 nM-4-20(42-44) 3/9/2020 42-44
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,1,2,2-Tetrachloroethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,1,2-Trichloroethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,1-Dichloroethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,1-Dichloroethene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,2,4-Trichlorobenzene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,2-Dibromo-3-chloropropane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,2-Dibromoethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,2-Dichlorobenzene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,2-Dichloroethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,2-Dichloropropane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,3-Dichlorobenzene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
1,4-Dichlorobenzene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
2-Butanone (MEK)		< 0.0027	< 0.29	< 0.0031	< 0.31	< 2.7	< 3.4	< 0.2	< 0.0049	**0.0024 J**	< 0.0054	< 0.0056	< 7.4 J
4-Methyl-2-Pentanone		< 0.0027	< 0.29	< 0.0031	< 0.31	< 2.7	< 3.4	< 0.2	< 0.0049	< 0.0040	< 0.0054	< 0.0056	< 7.4 J
Acetone		**0.0031 J**	< 0.29	**0.0094**	< 0.31	< 2.7	< 3.4	< 0.2	< 0.0059	**0.019**	**0.022**	**0.0078**	< 7.4 J
Benzene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Bromodichloromethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Bromoform		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Bromomethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Carbon Disulfide		< 0.00054	< 0.058	**0.00030 J**	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Carbon Tetrachloride		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
CFC-11		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
CFC-12		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Chlorobenzene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Chlorodibromomethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Chloroethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Chloroform		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Chloromethane		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011 J	< 1.5 J
cis-1,2-Dichloroethene		< 0.00054	< 0.058	**0.00011 J**	< 0.061	**14**	**15**	**0.34**	< 0.00098	< 0.00081	**0.00056 J**	**0.00054 J**	**11 J**
cis-1,3-Dichloropropene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Cyclohexane		< 0.00054	**0.21**	< 0.00062	**0.39**	**0.23 J**	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Dichloromethane		< 0.00054	< 0.058	**0.00032 J**	< 0.061	< 0.54	**0.46 J**	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Ethylbenzene		< 0.00054	< 0.058	< 0.00062	**1.9**	**4.6**	**0.47 J**	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Isopropylbenzene		< 0.00054	**0.51**	< 0.00062	**2.6**	**0.36 J**	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
m&p-Xylenes		< 0.00054	< 0.058	< 0.00062	**4.3**	**13**	**0.61 J**	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	**0.45 J**
Methyl Acetate		< 0.0027	< 0.29	< 0.0031	< 0.31	< 2.7	< 3.4	< 0.2	< 0.0049	< 0.0040	< 0.0054	< 0.0056	< 7.4 J
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0027	< 0.29	< 0.0031	< 0.31	< 2.7	< 3.4	< 0.2	< 0.0049	< 0.0040	< 0.0054	< 0.0056	< 7.4 J
Methylcyclohexane		< 0.00054	**20**	< 0.00062	**16**	**7.1**	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Methyl-tert-butylether		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
o-Xylene		< 0.00054	< 0.058	< 0.00062	**1.2**	**5.3**	**0.42 J**	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Styrene (Monomer)		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Tetrachloroethene		< 0.00054	< 0.058	< 0.00062	< 0.061	**0.33 J**	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Toluene		< 0.00054	< 0.058	< 0.00062	< 0.061	**95**	**76**	< 0.041	**0.00026 J**	**0.00042 J**	< 0.0011	< 0.0011	**22 J**
trans-1,2-Dichloroethene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
trans-1,3-Dichloropropene		< 0.00054	< 0.058	< 0.00062	< 0.061	< 0.54	< 0.68	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Trichloroethene		< 0.00054	< 0.058	< 0.00062	< 0.061	**150**	**190**	**1.6**	< 0.00098	< 0.00081	**0.00056 J**	**0.00062 J**	**390 J**
Vinyl chloride		< 0.00054	< 0.058	< 0.00062	< 0.061	**0.13 J**	**0.21 J**	< 0.041	< 0.00098	< 0.00081	< 0.0011	< 0.0011	< 1.5 J
Total VOCs [4]		**0.0031**	**21**	**0.01**	**26**	**290**	**280**	**1.9**	**0.00026**	**0.022**	**0.023**	**0.009**	**420**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nM-4-20 nM-4-20(44-46) 3/9/2020 44-46	nM-4-20 nM-4-20(46-48) 3/9/2020 46-48	nM-4-20 nM-4-20(48-50) 3/9/2020 48-50	nM-4-20 nM-4-20(50-52) 3/9/2020 50-52	nM-n5-20 nM-n5-20(32-34) 2/19/2020 32-34	nM-n5-20 nM-n5-20(36-38) 2/19/2020 36-38	nM-n5-20 nM-n5-20(38-40) 2/19/2020 38-40	nM-n5-20 nM-n5-20(40-42) 2/19/2020 40-42	nM-n5-20 REP021920ALH 2/19/2020 40-42	nM-n5-20 nM-n5-20(42-44) 2/19/2020 42-44	nM-n5-20 nM-n5-20(44-46) 2/19/2020 44-46	nM-n5-20 nM-n5-20(46-48) 2/19/2020 46-48
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.24	**0.045 J**	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,1,2,2-Tetrachloroethane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,1,2-Trichloroethane		< 0.24	**0.2 J**	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,1-Dichloroethane		< 0.24	**0.25 J**	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,1-Dichloroethene		< 0.24	**0.08 J**	< 0.057	**0.00026 J**	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,2,4-Trichlorobenzene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,2-Dibromo-3-chloropropane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,2-Dibromoethane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,2-Dichlorobenzene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,2-Dichloroethane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,2-Dichloropropane		< 0.24	**0.19 J**	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,3-Dichlorobenzene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
1,4-Dichlorobenzene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
2-Butanone (MEK)		< 1.2	< 0.64 J	**0.15 J**	< 0.0048	< 0.0026	< 0.0024	< 0.0030	< 0.0028	< 0.0029	< 0.0017	< 3.1	< 0.28
4-Methyl-2-Pentanone		< 1.2	**0.4 J**	< 0.29	< 0.0048	< 0.0026	< 0.0024	< 0.0030	< 0.0028	< 0.0029	< 0.0017	< 3.1	< 0.28
Acetone		< 1.2	< 0.64 J	< 0.29	**0.012**	**0.0065**	**0.015**	**0.023**	**0.026**	**0.032**	**0.0027**	< 3.1	< 0.28
Benzene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Bromodichloromethane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Bromoform		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Bromomethane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Carbon Disulfide		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Carbon Tetrachloride		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
CFC-11		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
CFC-12		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Chlorobenzene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Chlorodibromomethane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Chloroethane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Chloroform		< 0.24	**0.1 J**	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Chloromethane		< 0.24	< 0.13 J	< 0.057	< 0.00096 J	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
cis-1,2-Dichloroethene		**2.3**	**15 J**	**0.24**	**0.0050**	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	**0.00012 J**	**7.7**	**1.2**
cis-1,3-Dichloropropene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Cyclohexane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Dichloromethane		< 0.24	**0.28 J**	< 0.057	< 0.00096	**0.00064**	**0.00059**	**0.00089**	**0.00091**	**0.00076**	**0.00024 J**	< 0.62	< 0.057
Ethylbenzene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Isopropylbenzene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	**0.000075 J**	< 0.00033	< 0.62	< 0.057
m&p-Xylenes		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Methyl Acetate		< 1.2	**0.12 J**	< 0.29	< 0.0048	< 0.0026	< 0.0024	< 0.0030	< 0.0028	< 0.0029	< 0.0017	< 3.1	< 0.28
Methyl N-Butyl Ketone (2-Hexanone)		< 1.2	< 0.64 J	< 0.29	< 0.0048	< 0.0026	< 0.0024	< 0.0030	< 0.0028	< 0.0029	< 0.0017	< 3.1	< 0.28
Methylcyclohexane		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	**0.22 J**	< 0.057
Methyl-tert-butylether		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
o-Xylene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Styrene (Monomer)		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Tetrachloroethene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Toluene		**4.4**	**0.19 J**	< 0.057	**0.0018**	< 0.00051	< 0.00049	< 0.00061	**0.00036 J**	**0.00018 J**	< 0.00033	**5.8**	**0.25**
trans-1,2-Dichloroethene		< 0.24	**0.037 J**	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
trans-1,3-Dichloropropene		< 0.24	< 0.13 J	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Trichloroethene		**78**	**46 J**	**1.3**	**0.052**	< 0.00051	< 0.00049	< 0.00061	< 0.00055	**0.00011 J**	**0.00031 J**	**150**	**14**
Vinyl chloride		< 0.24	**0.1 J**	< 0.057	< 0.00096	< 0.00051	< 0.00049	< 0.00061	< 0.00055	< 0.00058	< 0.00033	< 0.62	< 0.057
Total VOCs [4]		**85**	**63**	**1.7**	**0.071**	**0.0071**	**0.016**	**0.024**	**0.027**	**0.033**	**0.0034**	**160**	**15**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nM-n5-20 / nM-n5-20(48-50) / 2/19/2020 / 48-50	nM-n5-20 / nM-n5-20(50-52) / 2/19/2020 / 50-52	nR-5-19 / nR-5-19(32-34) / 1/27/2020 / 32-34	nR-5-19 / nR-5-19(36-38) / 1/27/2020 / 36-38	nR-5-19 / nR-5-19(38-40) / 1/27/2020 / 38-40	nR-5-19 / nR-5-19(40-42) / 1/27/2020 / 40-42	nR-5-19 / nR-5-19(42-44) / 1/27/2020 / 42-44	nR-5-19 / nR-5-19(44-46) / 1/27/2020 / 44-46	nR-5-19 / nR-5-19(46-48) / 1/27/2020 / 46-48	nR-5-19 / nR-5-19(48-50) / 1/27/2020 / 48-50	nR-5-19 / nR-5-19(50-52) / 1/27/2020 / 50-52	nU-11-19 / nU-11-19(14-16) / 1/13/2020 / 14-16
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,1,2,2-Tetrachloroethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,1,2-Trichloroethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,1-Dichloroethane		**0.029 J**	**0.013 J**	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,1-Dichloroethene		**0.019 J**	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,2,4-Trichlorobenzene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,2-Dibromo-3-chloropropane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,2-Dibromoethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,2-Dichlorobenzene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,2-Dichloroethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,2-Dichloropropane		**0.028 J**	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,3-Dichlorobenzene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
1,4-Dichlorobenzene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
2-Butanone (MEK)		< 0.28	< 0.21	< 0.0038	< 0.0036	< 0.0043	< 0.0046	< 0.0044	**0.0032 J**	< 0.0037	< 0.0045	< 0.0050	< 0.0052
4-Methyl-2-Pentanone		< 0.28	< 0.21	< 0.0038	< 0.0036	< 0.0043	< 0.0046	< 0.0044	< 0.0044	< 0.0037	< 0.0045	< 0.0050	< 0.0052
Acetone		< 0.28	< 0.21	< 0.0045	**0.0049**	< 0.0052	< 0.0055	< 0.0053	**0.016**	**0.028**	< 0.0054	**0.0063**	< 0.0062
Benzene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Bromodichloromethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Bromoform		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Bromomethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Carbon Disulfide		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	**0.00072 J**
Carbon Tetrachloride		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
CFC-11		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
CFC-12		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Chlorobenzene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Chlorodibromomethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Chloroethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Chloroform		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Chloromethane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
cis-1,2-Dichloroethene		**2.2**	**1**	< 0.00075	< 0.00072	**0.00047 J**	**0.0016**	**0.0019**	< 0.00087	**0.0047**	**0.00080 J**	**0.0018**	**0.00020 J**
cis-1,3-Dichloropropene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Cyclohexane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Dichloromethane		**0.042 J**	**0.025 J**	**0.00040 J**	**0.00062 J**	**0.0014**	**0.0019**	**0.0022**	**0.0040**	**0.0010**	**0.00043 J**	**0.0019**	< 0.0010
Ethylbenzene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Isopropylbenzene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
m&p-Xylenes		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	**0.00041 J**
Methyl Acetate		< 0.28	< 0.21	< 0.0038	< 0.0036	< 0.0043	< 0.0046	< 0.0044	< 0.0044	< 0.0037	< 0.0045	< 0.0050	< 0.0052
Methyl N-Butyl Ketone (2-Hexanone)		< 0.28	< 0.21	< 0.0038	< 0.0036	< 0.0043	< 0.0046	< 0.0044	< 0.0044	< 0.0037	< 0.0045	< 0.0050	< 0.0052
Methylcyclohexane		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Methyl-tert-butylether		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
o-Xylene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Styrene (Monomer)		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Tetrachloroethene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Toluene		**0.74**	**0.14**	**0.0012**	**0.00034 J**	< 0.00087	< 0.00091	< 0.00088	**0.00021 J**	**0.0035**	**0.00049 J**	< 0.0010	**0.00068 J**
trans-1,2-Dichloroethene		**0.018 J**	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
trans-1,3-Dichloropropene		< 0.057	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Trichloroethene		**15**	**4.2**	< 0.00075	< 0.00072	**0.0020**	**0.0065**	**0.0027**	< 0.00087	**0.0038**	**0.00082 J**	**0.0030**	**0.00035 J**
Vinyl chloride		**0.02 J**	< 0.041	< 0.00075	< 0.00072	< 0.00087	< 0.00091	< 0.00088	< 0.00087	< 0.00073	< 0.00090	< 0.0010	< 0.0010
Total VOCs [4]		**18**	**5.4**	**0.0016**	**0.0059**	**0.0039**	**0.01**	**0.0068**	**0.023**	**0.041**	**0.0025**	**0.013**	**0.0024**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nU-11-19 / nU-11-19(16-18) / 1/13/2020 / 16-18	nU-11-19 / nU-11-19(22-24) / 1/13/2020 / 22-24	nU-11-19 / nU-11-19(26-28) / 1/13/2020 / 26-28	nU-11-19 / nU-11-19(32-34) / 1/13/2020 / 32-34	nU-11-19 / nU-11-19(34-36) / 1/13/2020 / 34-36	nU-11-19 / nU-11-19(36-38) / 1/13/2020 / 36-38	nU-11-19 / nU-11-19(38-40) / 1/13/2020 / 38-40	nU-11-19 / nU-11-19(40-42) / 1/13/2020 / 40-42	nU-11-19 / nU-11-19(42-44) / 1/13/2020 / 42-44	nU-11-19 / nU-11-19(44-46) / 1/13/2020 / 44-46	nU-11-19 / nU-11-19(46-48) / 1/13/2020 / 46-48	nU-11-19 / nU-11-19(48-50) / 1/13/2020 / 48-50
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,1,2,2-Tetrachloroethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,1,2-Trichloroethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,1-Dichloroethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	**0.052**	**0.12**	**0.0030**	< 0.0010	**0.00073 J**	< 0.0010	**0.00022 J**
1,1-Dichloroethene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	**0.00033 J**	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,2,4-Trichlorobenzene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,2-Dibromo-3-chloropropane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,2-Dibromoethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,2-Dichlorobenzene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,2-Dichloroethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,2-Dichloropropane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,3-Dichlorobenzene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
1,4-Dichlorobenzene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
2-Butanone (MEK)		**0.0036 J**	**0.0027 J**	**0.0026 J**	< 0.0050	**0.0028 J**	< 0.24	< 0.27	**0.0030 J**	< 0.0051	< 0.0043	< 0.0051	< 0.0046
4-Methyl-2-Pentanone		< 0.0042	< 0.0044	< 0.0037	< 0.0050	< 0.0035	< 0.24	**0.079 J**	< 0.0051	< 0.0051	< 0.0043	< 0.0051	< 0.0046
Acetone		**0.014**	**0.0089**	**0.0078**	**0.0070**	**0.011**	< 0.24	< 0.27	**0.03**	**0.011**	**0.0077**	**0.0092**	< 0.0055
Benzene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Bromodichloromethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Bromoform		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Bromomethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Carbon Disulfide		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	**0.0018**	**0.00048 J**	< 0.00087	< 0.0010	< 0.00092
Carbon Tetrachloride		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
CFC-11		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
CFC-12		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Chlorobenzene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Chlorodibromomethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Chloroethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Chloroform		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Chloromethane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
cis-1,2-Dichloroethene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	**8**	**10**	**0.017**	**0.00033 J**	**0.039**	**0.094**	**0.0089**
cis-1,3-Dichloropropene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Cyclohexane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	**0.0014**	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Dichloromethane		< 0.00084	< 0.00088	< 0.00073	**0.0012**	**0.00092**	< 0.048	**0.045 J**	**0.022**	**0.0052**	**0.0020**	**0.0021**	< 0.00092
Ethylbenzene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Isopropylbenzene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
m&p-Xylenes		**0.00024 J**	< 0.00088	**0.00016 J**	< 0.0010	< 0.00069	**0.025 J**	**0.036 J**	< 0.0010	< 0.0010	< 0.00087	**0.00019 J**	< 0.00092
Methyl Acetate		< 0.0042	< 0.0044	< 0.0037	< 0.0050	< 0.0035	**0.037 J**	< 0.27	< 0.0051	< 0.0051	< 0.0043	< 0.0051	< 0.0046
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0042	< 0.0044	< 0.0037	< 0.0050	< 0.0035	< 0.24	< 0.27	< 0.0051	< 0.0051	< 0.0043	< 0.0051	< 0.0046
Methylcyclohexane		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	**0.0043**	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Methyl-tert-butylether		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
o-Xylene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	**0.00022 J**	**0.022 J**	**0.018 J**	< 0.0010	< 0.0010	**0.00021 J**	< 0.0010	< 0.00092
Styrene (Monomer)		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Tetrachloroethene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Toluene		**0.00043 J**	**0.0022**	**0.00045 J**	**0.00053 J**	< 0.00069	**1.5**	**0.59**	< 0.0010	< 0.0010	**0.00038 J**	< 0.0010	**0.00024 J**
trans-1,2-Dichloroethene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	**0.052**	**0.033 J**	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
trans-1,3-Dichloropropene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	< 0.048	< 0.053	< 0.0010	< 0.0010	< 0.00087	< 0.0010	< 0.00092
Trichloroethene		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	**3**	**1.2**	< 0.0010	< 0.0010	**0.0081**	**0.019**	**0.0040**
Vinyl chloride		< 0.00084	< 0.00088	< 0.00073	< 0.0010	< 0.00069	**0.11**	**0.32**	**0.069**	**0.0068**	**0.00079 J**	< 0.0010	< 0.00092
Total VOCs [4]		**0.018**	**0.014**	**0.011**	**0.0087**	**0.015**	**13**	**12**	**0.15**	**0.024**	**0.059**	**0.12**	**0.013**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nU-11-19 nU-11-19(50-52) 1/13/2020 50-52	nU-11-19 REP011320ALH 1/13/2020 50-52	nU-12-20 nU-12-20(32-34) 1/30/2020 32-34	nU-12-20 nU-12-20(34-36) 1/30/2020 34-36	nU-12-20 nU-12-20(36-38) 1/30/2020 36-38	nU-12-20 nU-12-20(38-40) 1/30/2020 38-40	nU-12-20 nU-12-20(40-42) 1/30/2020 40-42	nU-12-20 nU-12-20(42-44) 1/30/2020 42-44	nU-12-20 nU-12-20(44-46) 1/30/2020 44-46	nU-12-20 nU-12-20(46-48) 1/30/2020 46-48	nU-12-20 nU-12-20(48-50) 1/30/2020 48-50	nU-12-20 nU-12-20(50-52) 1/30/2020 50-52
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,1,2,2-Tetrachloroethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,1,2-Trichloroethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,1-Dichloroethane		< 0.00095	**0.00033 J**	< 0.00081	< 0.00076	< 0.00093	**0.00025 J**	**0.0033**	**0.0017**	**0.0024**	**0.00076 J**	**0.00072 J**	< 0.0010
1,1-Dichloroethene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	**0.00037 J**	< 0.00090	**0.00026 J**	< 0.0010	< 0.00095	< 0.0010
1,2,4-Trichlorobenzene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,2-Dibromo-3-chloropropane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,2-Dibromoethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,2-Dichlorobenzene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,2-Dichloroethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	**0.00027 J**	< 0.00090	**0.00031 J**	< 0.0010	< 0.00095	< 0.0010
1,2-Dichloropropane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,3-Dichlorobenzene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
1,4-Dichlorobenzene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
2-Butanone (MEK)		**0.0046 J**	< 0.0046	< 0.0041	< 0.0038	< 0.0046	< 0.0042	< 0.0035	< 0.0045	< 0.0042	< 0.0051	< 0.0047	< 0.0051
4-Methyl-2-Pentanone		< 0.0047	< 0.0046	< 0.0041	< 0.0038	< 0.0046	< 0.0042	< 0.0035	< 0.0045	< 0.0042	< 0.0051	< 0.0047	< 0.0051
Acetone		**0.072**	< 0.0055	**0.056**	**0.053**	**0.049**	**0.0064**	**0.026**	**0.018**	**0.035**	**0.018**	**0.082**	**0.047**
Benzene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Bromodichloromethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Bromoform		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Bromomethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Carbon Disulfide		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	**0.00061 J**
Carbon Tetrachloride		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
CFC-11		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
CFC-12		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Chlorobenzene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Chlorodibromomethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Chloroethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Chloroform		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Chloromethane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
cis-1,2-Dichloroethene		**0.0027**	**0.01**	< 0.00081	< 0.00076	**0.0012**	**0.023**	**0.19**	**0.12**	**0.1**	**0.039**	**0.031**	**0.0024**
cis-1,3-Dichloropropene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Cyclohexane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Dichloromethane		**0.00093 J**	**0.00045 J**	**0.00077 J**	< 0.00076	**0.0011**	< 0.00084	**0.0050**	**0.0017**	**0.0033**	**0.00077 J**	**0.00069 J**	< 0.0010
Ethylbenzene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	**0.00020 J**	**0.00066 J**	**0.00043 J**	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Isopropylbenzene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
m&p-Xylenes		**0.00052 J**	**0.00016 J**	< 0.00081	< 0.00076	< 0.00093	**0.00092**	**0.0016**	**0.0019**	**0.00070 J**	< 0.0010	< 0.00095	< 0.0010
Methyl Acetate		< 0.0047	< 0.0046	< 0.0041	< 0.0038	< 0.0046	< 0.0042	< 0.0035	< 0.0045	< 0.0042	< 0.0051	< 0.0047	< 0.0051
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0047	< 0.0046	< 0.0041	< 0.0038	< 0.0046	< 0.0042	< 0.0035	< 0.0045	< 0.0042	< 0.0051	< 0.0047	< 0.0051
Methylcyclohexane		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	**0.00049 J**	**0.00049 J**	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Methyl-tert-butylether		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
o-Xylene		**0.00020 J**	< 0.00092	< 0.00081	< 0.00076	< 0.00093	**0.00051 J**	**0.0013**	**0.00079 J**	**0.00044 J**	< 0.0010	< 0.00095	< 0.0010
Styrene (Monomer)		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Tetrachloroethene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	**0.00011 J**	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Toluene		**0.00053 J**	**0.00083 J**	**0.00021 J**	**0.00033 J**	**0.00033 J**	**0.0056**	**0.045**	**0.0013**	**0.0035**	**0.00025 J**	**0.00049 J**	**0.0021**
trans-1,2-Dichloroethene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	**0.00023 J**	**0.0028**	**0.00098**	**0.0014**	< 0.0010	< 0.00095	< 0.0010
trans-1,3-Dichloropropene		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	< 0.00071	< 0.00090	< 0.00083	< 0.0010	< 0.00095	< 0.0010
Trichloroethene		**0.0027**	**0.012**	< 0.00081	< 0.00076	**0.00069 J**	**0.019**	**0.065**	**0.016**	**0.048**	**0.0082**	**0.011**	**0.0026**
Vinyl chloride		< 0.00095	< 0.00092	< 0.00081	< 0.00076	< 0.00093	< 0.00084	**0.0076**	**0.0021**	**0.0038**	< 0.0010	< 0.00095	< 0.0010
Total VOCs [4]		**0.084**	**0.024**	**0.057**	**0.053**	**0.052**	**0.056**	**0.35**	**0.17**	**0.2**	**0.067**	**0.13**	**0.055**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nV-11-20 nV-11-20(32-34) 1/29/2020 32-34	nV-11-20 nV-11-20(34-36) 1/29/2020 34-36	nV-11-20 nV-11-20(36-38) 1/29/2020 36-38	nV-11-20 nV-11-20(38-40) 1/29/2020 38-40	nV-11-20 nV-11-20(40-42) 1/29/2020 40-42	nV-11-20 nV-11-20(42-44) 1/29/2020 42-44	nV-11-20 nV-11-20(44-46) 1/29/2020 44-46	nV-11-20 nV-11-20(46-48) 1/29/2020 46-48	nV-11-20 nV-11-20(48-50) 1/29/2020 48-50	nV-11-20 REP012920ALH 1/29/2020 48-50	nV-11-20 nV-11-20(50-52) 1/29/2020 50-52	nV-12-20 nV-12-20(32-34) 2/6/2020 32-34
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,1,2,2-Tetrachloroethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,1,2-Trichloroethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,1-Dichloroethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	**0.034 J**	< 0.00084	**0.00054 J**	**0.00047 J**	**0.00081 J**	**0.00085 J**	< 0.00079	< 0.0019
1,1-Dichloroethene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,2,4-Trichlorobenzene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,2-Dibromo-3-chloropropane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,2-Dibromoethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,2-Dichlorobenzene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,2-Dichloroethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,2-Dichloropropane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,3-Dichlorobenzene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
1,4-Dichlorobenzene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
2-Butanone (MEK)		< 0.0041	< 0.0038	**0.0030 J**	< 0.0032	< 0.3	< 0.0042	< 0.0047	< 0.0042	< 0.0043	**0.0042 J**	**0.0030 J**	< 0.0095
4-Methyl-2-Pentanone		< 0.0041	< 0.0038	< 0.0036	< 0.0032	< 0.3	< 0.0042	< 0.0047	< 0.0042	< 0.0043	< 0.0043	< 0.0040	< 0.0095
Acetone		**0.0051**	**0.012**	**0.067**	< 0.0039	< 0.3	**0.013**	**0.02**	**0.0068**	< 0.0052	**0.037**	**0.047**	**0.1**
Benzene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Bromodichloromethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Bromoform		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Bromomethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Carbon Disulfide		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	**0.00026 J**	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Carbon Tetrachloride		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
CFC-11		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
CFC-12		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Chlorobenzene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Chlorodibromomethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Chloroethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Chloroform		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Chloromethane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
cis-1,2-Dichloroethene		< 0.00082	< 0.00076	< 0.00072	**0.00043 J**	**5.3**	**0.013**	**0.03**	**0.026**	**0.039**	**0.038**	**0.0086**	< 0.0019
cis-1,3-Dichloropropene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Cyclohexane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Dichloromethane		**0.00063 J**	**0.00037 J**	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	**0.00037 J**	**0.0024**
Ethylbenzene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	**0.034 J**	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Isopropylbenzene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
m&p-Xylenes		< 0.00082	< 0.00076	< 0.00072	< 0.00064	**0.088**	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	**0.00019 J**	< 0.0019
Methyl Acetate		< 0.0041	< 0.0038	< 0.0036	< 0.0032	< 0.3	< 0.0042	< 0.0047	< 0.0042	< 0.0043	< 0.0043	< 0.0040	< 0.0095
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0041	< 0.0038	< 0.0036	< 0.0032	< 0.3	< 0.0042	< 0.0047	< 0.0042	< 0.0043	< 0.0043	< 0.0040	< 0.0095
Methylcyclohexane		< 0.00082	< 0.00076	< 0.00072	< 0.00064	**0.029 J**	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Methyl-tert-butylether		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
o-Xylene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	**0.067**	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Styrene (Monomer)		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Tetrachloroethene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Toluene		< 0.00082	**0.0027**	**0.00074**	< 0.00064	**1.6**	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	**0.00027 J**	**0.00052 J**
trans-1,2-Dichloroethene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	**0.051 J**	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
trans-1,3-Dichloropropene		< 0.00082	< 0.00076	< 0.00072	< 0.00064	< 0.06	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Trichloroethene		< 0.00082	< 0.00076	< 0.00072	**0.00017 J**	**4.8**	**0.0032**	**0.011**	**0.0080**	**0.016**	**0.016**	**0.0039**	< 0.0019
Vinyl chloride		< 0.00082	< 0.00076	< 0.00072	< 0.00064	**0.03 J**	< 0.00084	< 0.00094	< 0.00083	< 0.00086	< 0.00086	< 0.00079	< 0.0019
Total VOCs [4]		**0.0057**	**0.015**	**0.071**	**0.0006**	**12**	**0.029**	**0.062**	**0.041**	**0.056**	**0.096**	**0.063**	**0.1**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nV-12-20 nV-12-20(34-36) 2/6/2020 34-36	nV-12-20 nV-12-20(36-38) 2/6/2020 36-38	nV-12-20 nV-12-20(38-40) 2/6/2020 38-40	nV-12-20 nV-12-20(40-42) 2/6/2020 40-42	nV-12-20 nV-12-20(42-44) 2/6/2020 42-44	nV-12-20 nV-12-20(44-46) 2/6/2020 44-46	nV-12-20 nV-12-20(46-48) 2/6/2020 46-48	nV-12-20 nV-12-20(48-50) 2/6/2020 48-50	nV-12-20 nV-12-20(50-52) 2/6/2020 50-52	nV-n2-20 nV-n2-20(32-34) 3/6/2020 32-34	nV-n2-20 nV-n2-20(34-36) 3/6/2020 34-36	nV-n2-20 nV-n2-20(36-38) 3/6/2020 36-38
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	**0.0019**	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,1,2,2-Tetrachloroethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,1,2-Trichloroethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,1-Dichloroethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	**0.011**	< 0.00091	**0.00029 J**	**0.00040 J**	< 0.00087	< 0.00084	< 0.00070
1,1-Dichloroethene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	**0.0016**	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,2,4-Trichlorobenzene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,2-Dibromo-3-chloropropane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,2-Dibromoethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,2-Dichlorobenzene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,2-Dichloroethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	**0.00066 J**	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,2-Dichloropropane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,3-Dichlorobenzene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
1,4-Dichlorobenzene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
2-Butanone (MEK)		< 0.0038	< 0.0040	< 0.0035	< 0.0050	< 0.0053	< 0.0067	< 0.0045	< 0.0041	< 0.0045	< 0.0044	< 0.0042	< 0.0035
4-Methyl-2-Pentanone		< 0.0038	< 0.0040	< 0.0035	< 0.0050	< 0.0053	**0.0021 J**	< 0.0045	< 0.0041	< 0.0045	< 0.0044	< 0.0042	< 0.0035
Acetone		**0.0068**	< 0.0047	< 0.0043	**0.0081**	< 0.0064	**0.021**	< 0.0054	**0.0074**	**0.041**	**0.019**	**0.023**	**0.024**
Benzene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Bromodichloromethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Bromoform		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Bromomethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Carbon Disulfide		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Carbon Tetrachloride		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
CFC-11		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
CFC-12		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Chlorobenzene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Chlorodibromomethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Chloroethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Chloroform		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	**0.00076 J**	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Chloromethane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
cis-1,2-Dichloroethene		< 0.00076	< 0.00079	**0.0073**	< 0.0010	**0.0095**	**0.39**	**0.0029**	**0.01**	**0.015**	< 0.00087	< 0.00084	**0.0029**
cis-1,3-Dichloropropene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Cyclohexane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Dichloromethane		**0.00054 J**	**0.00053 J**	**0.00060 J**	**0.0015**	< 0.0011	**0.0035**	< 0.00091	**0.00046 J**	**0.0016**	< 0.00087	< 0.00084	< 0.00070
Ethylbenzene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Isopropylbenzene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
m&p-Xylenes		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	**0.00030 J**	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Methyl Acetate		< 0.0038	< 0.0040	< 0.0035	< 0.0050	< 0.0053	< 0.0067	< 0.0045	< 0.0041	< 0.0045	< 0.0044	< 0.0042	< 0.0035
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0038	< 0.0040	< 0.0035	< 0.0050	< 0.0053	< 0.0067	< 0.0045	< 0.0041	< 0.0045	< 0.0044	< 0.0042	< 0.0035
Methylcyclohexane		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Methyl-tert-butylether		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
o-Xylene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Styrene (Monomer)		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Tetrachloroethene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Toluene		**0.00029 J**	< 0.00079	**0.00060 J**	< 0.0010	< 0.0011	**0.0079**	< 0.00091	**0.00044 J**	**0.00027 J**	**0.00045 J**	**0.00056 J**	**0.00024 J**
trans-1,2-Dichloroethene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	**0.0018**	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
trans-1,3-Dichloropropene		< 0.00076	< 0.00079	< 0.00071	< 0.0010	< 0.0011	< 0.0013	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Trichloroethene		< 0.00076	< 0.00079	**0.0041**	< 0.0010	**0.00027 J**	**0.065**	**0.0010**	**0.0032**	**0.024**	< 0.00087	< 0.00084	**0.00057 J**
Vinyl chloride		< 0.00076	< 0.00079	< 0.00071	**0.00072 J**	< 0.0011	**0.0050**	< 0.00091	< 0.00082	< 0.00090	< 0.00087	< 0.00084	< 0.00070
Total VOCs [4]		**0.0076**	**0.00053**	**0.013**	**0.01**	**0.0098**	**0.51**	**0.0039**	**0.022**	**0.082**	**0.019**	**0.024**	**0.028**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nV-n2-20 / nV-n2-20(38-40) / 3/6/2020 / 38-40	nV-n2-20 / nV-n2-20(40-42) / 3/6/2020 / 40-42	nV-n2-20 / nV-n2-20(42-44) / 3/6/2020 / 42-44	nV-n2-20 / nV-n2-20(44-46) / 3/6/2020 / 44-46	nV-n2-20 / nV-n2-20(46-48) / 3/6/2020 / 46-48	nV-n2-20 / nV-n2-20(48-50) / 3/6/2020 / 48-50	nV-n2-20 / nV-n2-20(50-52) / 3/6/2020 / 50-52	nV-n4-20 / nV-n4-20(32-34) / 2/14/2020 / 32-34	nV-n4-20 / nV-n4-20 (34-36) / 2/14/2020 / 34-36	nV-n4-20 / nV-n4-20(36-38) / 2/14/2020 / 36-38	nV-n4-20 / nV-n4-20(40-42) / 2/14/2020 / 40-42	nV-n4-20 / nV-n4-20(42-44) / 2/14/2020 / 42-44
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,1,2,2-Tetrachloroethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,1,2-Trichloroethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,1-Dichloroethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	**0.19 J**	**0.36 J**
1,1-Dichloroethene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	**0.13 J**	**0.17 J**
1,2,4-Trichlorobenzene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,2-Dibromo-3-chloropropane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,2-Dibromoethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,2-Dichlorobenzene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,2-Dichloroethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,2-Dichloropropane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,3-Dichlorobenzene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
1,4-Dichlorobenzene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
2-Butanone (MEK)		< 0.0044	< 0.0039	< 0.0043	< 0.0049	< 0.0046	< 0.0039	< 0.0044	< 0.0049	< 0.0051 J	< 0.0024	< 1.4	< 2.1
4-Methyl-2-Pentanone		< 0.0044	< 0.0039	< 0.0043	< 0.0049	< 0.0046	< 0.0039	< 0.0044	< 0.0049	< 0.0051 J	< 0.0024	< 1.4	< 2.1
Acetone		**0.013**	< 0.0047	**0.023**	**0.048**	**0.043**	**0.0066**	**0.0093**	< 0.0059	**0.037 J**	**0.011**	< 1.4	< 2.1
Benzene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Bromodichloromethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Bromoform		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Bromomethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Carbon Disulfide		**0.00050 J**	< 0.00078	**0.0015**	< 0.00097	< 0.00092	< 0.00078	**0.00063 J**	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Carbon Tetrachloride		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
CFC-11		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
CFC-12		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099 J	< 0.0010 J	< 0.00049 J	< 0.28	< 0.42
Chlorobenzene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Chlorodibromomethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Chloroethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Chloroform		< 0.00087	< 0.00078	< 0.00085	**0.00033 J**	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Chloromethane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
cis-1,2-Dichloroethene		**0.00027 J**	**0.00017 J**	**0.0025**	**0.0061**	< 0.00092	< 0.00078	**0.00055 J**	< 0.00099	< 0.0010 J	**0.00011 J**	**67**	**120**
cis-1,3-Dichloropropene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Cyclohexane		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Dichloromethane		< 0.00087	< 0.00078	< 0.00085	**0.00055 J**	**0.00096**	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42 B
Ethylbenzene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	**0.5**	< 0.42
Isopropylbenzene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
m&p-Xylenes		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 1 B	< 0.42
Methyl Acetate		< 0.0044	< 0.0039	< 0.0043	< 0.0049	< 0.0046	< 0.0039	< 0.0044	< 0.0049	< 0.0051 J	< 0.0024	< 1.4	< 2.1
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0044	< 0.0039	< 0.0043	< 0.0049	< 0.0046	< 0.0039	< 0.0044	< 0.0049	< 0.0051 J	< 0.0024	< 1.4	< 2.1
Methylcyclohexane		**0.0083**	**0.00083**	**0.00074 J**	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	**0.033**	< 0.28	< 0.42
Methyl-tert-butylether		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
o-Xylene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	**0.73**	< 0.42
Styrene (Monomer)		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Tetrachloroethene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	**0.16 J**	< 0.42
Toluene		< 0.00087	< 0.00078	**0.00048 J**	**0.0013**	**0.00040 J**	**0.00023 J**	< 0.00088	**0.00046 J**	**0.00040 J**	**0.00021 J**	**39**	**19**
trans-1,2-Dichloroethene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	**0.15 J**	**0.18 J**
trans-1,3-Dichloropropene		< 0.00087	< 0.00078	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	< 0.28	< 0.42
Trichloroethene		**0.00019 J**	< 0.00078	**0.00099**	**0.0035**	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	< 0.00049	**66**	**10**
Vinyl chloride		< 0.00087	**0.00074 J**	< 0.00085	< 0.00097	< 0.00092	< 0.00078	< 0.00088	< 0.00099	< 0.0010 J	**0.00039 J**	**0.51**	**0.69**
Total VOCs [4]		**0.022**	**0.0017**	**0.029**	**0.06**	**0.044**	**0.0068**	**0.01**	**0.00046**	**0.037**	**0.045**	**170**	**150**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nV-n4-20 nV-n4-20(44-46) 2/14/2020 44-46	nV-n4-20 nV-n4-20(46-48) 2/14/2020 46-48	nV-n4-20 nV-n4-20(48-50) 2/14/2020 48-50	nV-n4-20 REP021420DC 2/14/2020 48-50	nW-11-20 nW-11-20(32-34) 2/10/2020 32-34	nW-11-20 nW-11-20(34-36) 2/10/2020 34-36	nW-11-20 nW-11-20(36-38) 2/10/2020 36-38	nW-11-20 nW-11-20(38-40) 2/10/2020 38-40	nW-11-20 nW-11-20(40-42) 2/10/2020 40-42	nW-11-20 nW-11-20(42-44) 2/10/2020 42-44	nW-11-20 nW-11-20(44-46) 2/10/2020 44-46	nW-11-20 nW-11-20(46-48) 2/10/2020 46-48
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,1,2,2-Tetrachloroethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,1,2-Trichloroethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,1-Dichloroethane		**0.00069**	< 0.00083	< 0.00039	**0.00034 J**	< 0.00092	< 0.00079	< 0.00082	**0.13**	**0.0043**	< 0.00093	**0.00049 J**	**0.0010**
1,1-Dichloroethene		**0.00022 J**	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	**0.043 J**	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,2,4-Trichlorobenzene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,2-Dibromo-3-chloropropane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,2-Dibromoethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,2-Dichlorobenzene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,2-Dichloroethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	**0.029 J**	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,2-Dichloropropane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,3-Dichlorobenzene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
1,4-Dichlorobenzene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
2-Butanone (MEK)		< 0.0031	< 0.0042	< 0.0020	< 0.0025	< 0.0046	< 0.0040	< 0.0041	< 0.31	< 0.0052	< 0.0046	< 0.0042	< 0.0047
4-Methyl-2-Pentanone		< 0.0031	< 0.0042	< 0.0020	< 0.0025	< 0.0046	< 0.0040	< 0.0041	< 0.31	< 0.0052	< 0.0046	< 0.0042	< 0.0047
Acetone		**0.0089**	< 0.0050	< 0.0024	**0.0077**	**0.04**	< 0.0048	**0.017**	< 0.31	**0.012**	**0.0059**	**0.0081**	**0.0082**
Benzene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Bromodichloromethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Bromoform		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Bromomethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Carbon Disulfide		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Carbon Tetrachloride		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
CFC-11		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
CFC-12		< 0.00062 J	< 0.00083 J	< 0.00039 J	< 0.00051 J	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Chlorobenzene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Chlorodibromomethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Chloroethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Chloroform		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Chloromethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
cis-1,2-Dichloroethene		**0.059**	**0.015**	**0.0028 J**	**0.02 J**	< 0.00092	< 0.00079	< 0.00082	**16**	< 0.0010	< 0.00093	**0.015**	**0.038**
cis-1,3-Dichloropropene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Cyclohexane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Dichloromethane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	**0.00058 J**	< 0.00079	**0.00059 J**	< 0.062	**0.0068**	< 0.00093	**0.00040 J**	**0.00087 J**
Ethylbenzene		**0.00018 J**	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Isopropylbenzene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
m&p-Xylenes		< 0.00062 B	< 0.00083 B	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Methyl Acetate		< 0.0031	< 0.0042	< 0.0020	< 0.0025	< 0.0046	< 0.0040	< 0.0041	**0.049 J**	< 0.0052	< 0.0046	< 0.0042	< 0.0047
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0031	< 0.0042	< 0.0020	< 0.0025	< 0.0046	< 0.0040	< 0.0041	< 0.31	< 0.0052	< 0.0046	< 0.0042	< 0.0047
Methylcyclohexane		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Methyl-tert-butylether		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
o-Xylene		< 0.00062 B	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Styrene (Monomer)		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Tetrachloroethene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Toluene		**0.0093**	**0.0027**	**0.00012 J**	**0.00072**	**0.00037 J**	< 0.00079	< 0.00082	**0.9**	< 0.0010	< 0.00093	**0.00033 J**	**0.0011**
trans-1,2-Dichloroethene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	**0.064**	< 0.0010	< 0.00093	< 0.00085	< 0.00095
trans-1,3-Dichloropropene		< 0.00062	< 0.00083	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	< 0.062	< 0.0010	< 0.00093	< 0.00085	< 0.00095
Trichloroethene		**0.024**	**0.0063**	**0.00084**	**0.0067 J**	< 0.00092	< 0.00079	< 0.00082	**3.7**	< 0.0010	< 0.00093	**0.0064**	**0.013**
Vinyl chloride		**0.0023**	**0.00064 J**	< 0.00039	< 0.00051	< 0.00092	< 0.00079	< 0.00082	**0.1**	**0.027**	< 0.00093	< 0.00085	**0.00082 J**
Total VOCs [4]		**0.1**	**0.025**	**0.0038**	**0.035**	**0.041**	0.0	**0.018**	**21**	**0.05**	**0.0059**	**0.031**	**0.063**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nW-11-20 nW-11-20(48-50) 2/10/2020 48-50	nW-11-20 REP021020ALH 2/10/2020 48-50	nW-11-20 nW-11-20(50-52) 2/10/2020 50-52	nX-12-20 nX-12-20(32-34) 2/26/2020 32-34	nX-12-20 nX-12-20(34-36) 2/26/2020 34-36	nX-12-20 nX-12-20(36-38) 2/26/2020 36-38	nX-12-20 nX-12-20(38-40) 2/26/2020 38-40	nX-12-20 REP022620ALH 2/26/2020 38-40	nX-12-20 nX-12-20(40-42) 2/26/2020 40-42	nX-12-20 nX-12-20(42-44) 2/26/2020 42-44	nX-12-20 nX-12-20(44-46) 2/26/2020 44-46	nX-12-20 nX-12-20(46-48) 2/26/2020 46-48
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,1,2,2-Tetrachloroethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,1,2-Trichloroethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,1-Dichloroethane		< 0.00095	**0.0011**	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,1-Dichloroethene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,2,4-Trichlorobenzene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,2-Dibromo-3-chloropropane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,2-Dibromoethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,2-Dichlorobenzene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,2-Dichloroethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,2-Dichloropropane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,3-Dichlorobenzene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
1,4-Dichlorobenzene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
2-Butanone (MEK)		< 0.0048	< 0.0045	< 0.0052	< 0.0039	< 0.0030	< 0.0025	< 0.0024	< 0.0033	< 0.0029	< 0.0050	< 0.0025	< 0.0032
4-Methyl-2-Pentanone		< 0.0048	< 0.0045	< 0.0052	< 0.0039	< 0.0030	< 0.0025	< 0.0024	< 0.0033	< 0.0029	< 0.0050	< 0.0025	< 0.0032
Acetone		< 0.0057	**0.02**	**0.011**	**0.011**	**0.011**	**0.013**	**0.0031**	**0.026**	**0.017**	**0.032**	**0.01**	**0.0093**
Benzene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Bromodichloromethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Bromoform		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Bromomethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Carbon Disulfide		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Carbon Tetrachloride		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
CFC-11		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
CFC-12		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Chlorobenzene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Chlorodibromomethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Chloroethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Chloroform		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Chloromethane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
cis-1,2-Dichloroethene		**0.0048**	**0.032**	**0.0014**	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	**0.00016 J**	< 0.0010	**0.0019**	**0.019**
cis-1,3-Dichloropropene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Cyclohexane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Dichloromethane		< 0.00095	< 0.00090	< 0.0010	**0.00076 J**	< 0.00059	**0.00060**	< 0.00047	**0.00088**	< 0.00058	< 0.0010	**0.00048 J**	**0.00051 J**
Ethylbenzene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Isopropylbenzene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
m&p-Xylenes		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Methyl Acetate		< 0.0048	< 0.0045	< 0.0052	< 0.0039	< 0.0030	< 0.0025	< 0.0024	< 0.0033	< 0.0029	< 0.0050	< 0.0025	< 0.0032
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0048	< 0.0045	< 0.0052	< 0.0039	< 0.0030	< 0.0025	< 0.0024	< 0.0033	< 0.0029	< 0.0050	< 0.0025	< 0.0032
Methylcyclohexane		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Methyl-tert-butylether		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
o-Xylene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Styrene (Monomer)		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Tetrachloroethene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Toluene		**0.00026 J**	**0.00056 J**	< 0.0010	**0.00026 J**	< 0.00059	**0.00041 J**	**0.00012 J**	< 0.00067	< 0.00058	**0.00030 J**	< 0.00049	< 0.00063
trans-1,2-Dichloroethene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
trans-1,3-Dichloropropene		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Trichloroethene		**0.0013**	**0.014**	**0.00048 J**	< 0.00077	< 0.00059	**0.00010 J**	**0.00016 J**	**0.00020 J**	**0.00011 J**	**0.00029 J**	**0.0011**	**0.0084**
Vinyl chloride		< 0.00095	< 0.00090	< 0.0010	< 0.00077	< 0.00059	< 0.00049	< 0.00047	< 0.00067	< 0.00058	< 0.0010	< 0.00049	< 0.00063
Total VOCs [4]		**0.0064**	**0.068**	**0.013**	**0.012**	**0.011**	**0.014**	**0.0034**	**0.027**	**0.017**	**0.033**	**0.013**	**0.037**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nX-12-20 nX-12-20(48-50) 2/26/2020 48-50	nX-12-20 nX-12-20(50-52) 2/26/2020 50-52	nX-n4-20 nX-n4-20(32-34) 3/4/2020 32-34	nX-n4-20 nX-n4-20(34-36) 3/4/2020 34-36	nX-n4-20 nX-n4-20(36-38) 3/4/2020 36-38	nX-n4-20 nX-n4-20(38-40) 3/4/2020 38-40	nX-n4-20 nX-n4-20(40-42) 3/4/2020 40-42	nX-n4-20 nX-n4-20(42-44) 3/4/2020 42-44	nX-n4-20 nX-n4-20(44-46) 3/4/2020 44-46	nX-n4-20 nX-n4-20(46-48) 3/4/2020 46-48	nX-n4-20 nX-n4-20(48-50) 3/4/2020 48-50	nX-n4-20 nX-n4-20(50-52) 3/4/2020 50-52
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	**0.062 J**	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
1,1,2,2-Tetrachloroethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
1,1,2-Trichloroethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	**0.024 J**
1,1-Dichloroethane		< 0.00059	**0.00057**	< 0.00088	< 0.00085	< 0.00081	**0.081 J**	< 0.00084	**0.0028**	**0.00037 J**	**0.00032 J**	**0.034 J**	**0.098**
1,1-Dichloroethene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	**0.063 J**	< 0.00084	**0.00074 J**	< 0.0011	< 0.00085	< 0.11	**0.088 J**
1,2,4-Trichlorobenzene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
1,2-Dibromo-3-chloropropane		< 0.00059	< 0.00054	< 0.00088 J	< 0.00085 J	< 0.00081 J	< 0.11	< 0.00084	< 0.00088 J	< 0.0011 J	< 0.00085 J	< 0.11	< 0.094
1,2-Dibromoethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
1,2-Dichlorobenzene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
1,2-Dichloroethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	**0.00056 J**	**0.00098**	< 0.0011	< 0.00085	< 0.11	**0.034 J**
1,2-Dichloropropane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
1,3-Dichlorobenzene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
1,4-Dichlorobenzene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
2-Butanone (MEK)		< 0.0030	< 0.0027	< 0.0044	< 0.0043	< 0.0040	< 0.53	< 0.0042	< 0.0044	< 0.0056	< 0.0043	< 0.56	< 0.47
4-Methyl-2-Pentanone		< 0.0030	< 0.0027	< 0.0044	< 0.0043	< 0.0040	< 0.53	< 0.0042	< 0.0044	< 0.0056	< 0.0043	< 0.56	< 0.47
Acetone		**0.017**	**0.044**	**0.032**	**0.017**	**0.022**	< 0.53	**0.018**	**0.022**	**0.031**	< 0.0051	< 0.56	< 0.47
Benzene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Bromodichloromethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Bromoform		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Bromomethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Carbon Disulfide		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	**0.00056 J**	< 0.0011	< 0.00085	< 0.11	< 0.094
Carbon Tetrachloride		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
CFC-11		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
CFC-12		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Chlorobenzene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Chlorodibromomethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Chloroethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Chloroform		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Chloromethane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
cis-1,2-Dichloroethene		**0.0012**	**0.018**	< 0.00088	< 0.00085	**0.00020 J**	**3.9**	**0.02 J**	**0.14**	**0.019**	**0.0068**	**1.8**	**11**
cis-1,3-Dichloropropene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Cyclohexane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Dichloromethane		**0.00084**	< 0.00054	< 0.00088	< 0.00085	**0.00039 J**	< 0.11	< 0.00084	**0.0010**	**0.00067 J**	< 0.00085	< 0.11	< 0.094
Ethylbenzene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	**0.038 J**	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Isopropylbenzene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
m&p-Xylenes		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	**0.089 J**	< 0.00084	**0.00022 J**	**0.00020 J**	< 0.00085	< 0.11	**0.063 J**
Methyl Acetate		< 0.0030	< 0.0027	< 0.0044	< 0.0043	< 0.0040	**0.086 J**	< 0.0042 J	< 0.0044	< 0.0056	< 0.0043	< 0.56	**0.17 J**
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0030	< 0.0027	< 0.0044	< 0.0043	< 0.0040	< 0.53	< 0.0042	< 0.0044	< 0.0056	< 0.0043	< 0.56	< 0.47
Methylcyclohexane		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	**0.026 J**	< 0.00084	**0.0024**	< 0.0011	< 0.00085	< 0.11	**0.033 J**
Methyl-tert-butylether		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
o-Xylene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	**0.055 J**	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	**0.059 J**
Styrene (Monomer)		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11	< 0.094
Tetrachloroethene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	**0.049 J**	< 0.00084	< 0.00088	< 0.0011	< 0.00085	< 0.11	**0.04 J**
Toluene		< 0.00059	**0.00048 J**	**0.00053 J**	**0.00065 J**	**0.00053 J**	**1.8**	**0.00097**	**0.0011**	**0.00082 J**	< 0.00085	**0.21**	**3.1**
trans-1,2-Dichloroethene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	**0.066 J**	< 0.00084	**0.00059 J**	< 0.0011	< 0.00085	< 0.11	**0.15**
trans-1,3-Dichloropropene		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	< 0.11 J	< 0.00084 J	< 0.00088	< 0.0011	< 0.00085	< 0.11 J	< 0.094 J
Trichloroethene		**0.00047 J**	**0.011**	< 0.00088	< 0.00085	< 0.00081	**18**	**0.0086 J**	**0.0048**	**0.0038**	**0.0038**	**3.1**	**44**
Vinyl chloride		< 0.00059	< 0.00054	< 0.00088	< 0.00085	< 0.00081	**0.091 J**	< 0.00084	**0.0064**	< 0.0011	**0.0010**	**0.028 J**	< 0.094
Total VOCs [4]		**0.02**	**0.074**	**0.033**	**0.018**	**0.023**	**24**	**0.048**	**0.18**	**0.056**	**0.012**	**5.2**	**59**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nY-11-20 / nY-11-20(32-34) / 2/27/2020 / 32-34	nY-11-20 / nY-11-20(34-36) / 2/27/2020 / 34-36	nY-11-20 / nY-11-20(36-38) / 2/27/2020 / 36-38	nY-11-20 / nY-11-20(38-40) / 2/27/2020 / 38-40	nY-11-20 / nY-11-20(40-42) / 2/27/2020 / 40-42	nY-11-20 / nY-11-20(42-44) / 2/27/2020 / 42-44	nY-11-20 / nY-11-20(44-46) / 2/27/2020 / 44-46	nY-11-20 / nY-11-20(46-48) / 2/27/2020 / 46-48	nY-11-20 / nY-11-20(48-50) / 2/27/2020 / 48-50	nY-11-20 / nY-11-20(50-52) / 2/27/2020 / 50-52	nZ-n4-20 / nZ-n4-20(32-34) / 3/18/2020 / 32-34	nZ-n4-20 / nZ-n4-20(34-36) / 3/18/2020 / 34-36
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,1,2,2-Tetrachloroethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,1,2-Trichloroethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,1-Dichloroethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	**0.00095**	**0.00044 J**	< 0.00073	**0.00042 J**	< 0.00052	< 0.00048
1,1-Dichloroethene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,2,4-Trichlorobenzene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,2-Dibromo-3-chloropropane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,2-Dibromoethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,2-Dichlorobenzene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,2-Dichloroethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,2-Dichloropropane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,3-Dichlorobenzene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
1,4-Dichlorobenzene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
2-Butanone (MEK)		< 0.0028	< 0.0027	< 0.0035	< 0.0036	< 0.0032	< 0.0028	**0.0026**	< 0.0038	< 0.0036	< 0.0024	**0.0024 J**	**0.0020 J**
4-Methyl-2-Pentanone		< 0.0028	< 0.0027	< 0.0035	< 0.0036	< 0.0032	< 0.0028	< 0.0024	< 0.0038	< 0.0036	< 0.0024	< 0.0026	< 0.0024
Acetone		**0.015**	**0.017**	< 0.0042	**0.0082**	< 0.0039	< 0.0033	< 0.0029	**0.019**	**0.011**	**0.0076**	**0.045**	**0.038**
Benzene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Bromodichloromethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Bromoform		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Bromomethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Carbon Disulfide		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	**0.0043**	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Carbon Tetrachloride		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
CFC-11		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
CFC-12		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Chlorobenzene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Chlorodibromomethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Chloroethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Chloroform		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Chloromethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
cis-1,2-Dichloroethene		< 0.00055	< 0.00055	< 0.00070	**0.00013 J**	< 0.00065	< 0.00056	**0.053**	**0.0099**	**0.0010**	**0.013**	< 0.00052	< 0.00048
cis-1,3-Dichloropropene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Cyclohexane		< 0.00055	**0.00012 J**	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Dichloromethane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Ethylbenzene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Isopropylbenzene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
m&p-Xylenes		< 0.00055	**0.000098 J**	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Methyl Acetate		< 0.0028	< 0.0027	< 0.0035	< 0.0036	< 0.0032	< 0.0028	< 0.0024	< 0.0038	< 0.0036	< 0.0024	< 0.0026	< 0.0024
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0028	< 0.0027	< 0.0035	< 0.0036	< 0.0032	< 0.0028	< 0.0024	< 0.0038	< 0.0036	< 0.0024	< 0.0026	< 0.0024
Methylcyclohexane		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Methyl-tert-butylether		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
o-Xylene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Styrene (Monomer)		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Tetrachloroethene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Toluene		**0.00039 J**	**0.00052 J**	< 0.00070	**0.00025 J**	< 0.00065	< 0.00056	**0.00023 J**	**0.00019 J**	**0.00017 J**	**0.00024 J**	**0.00029 J**	**0.00031 J**
trans-1,2-Dichloroethene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	**0.00033 J**	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
trans-1,3-Dichloropropene		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Trichloroethene		< 0.00055	< 0.00055	< 0.00070	**0.00018 J**	< 0.00065	< 0.00056	**0.034**	**0.0044**	**0.00020 J**	**0.0070**	< 0.00052	< 0.00048
Vinyl chloride		< 0.00055	< 0.00055	< 0.00070	< 0.00072	< 0.00065	< 0.00056	< 0.00048	< 0.00076	< 0.00073	< 0.00048	< 0.00052	< 0.00048
Total VOCs [4]		**0.015**	**0.018**	0.0	**0.0088**	0.0	0.0	**0.095**	**0.034**	**0.012**	**0.028**	**0.048**	**0.04**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	nZ-n4-20 / nZ-n4-20(36-38) / 3/18/2020 / 36-38	nZ-n4-20 / nZ-n4-20(40-42) / 3/18/2020 / 40-42	nZ-n4-20 / nZ-n4-20(42-44) / 3/18/2020 / 42-44	nZ-n4-20 / REP031820ALH / 3/18/2020 / 42-44	nZ-n4-20 / nZ-n4-20(44-46) / 3/18/2020 / 44-46	nZ-n4-20 / nZ-n4-20(46-48) / 3/18/2020 / 46-48	nZ-n4-20 / nZ-n4-20(48-50) / 3/18/2020 / 48-50	nZ-n4-20 / nZ-n4-20(50-52) / 3/18/2020 / 50-52	T-3-20 / T-3-20(32-34) / 2/18/2020 / 32-34	T-3-20 / T-3-20(34-36) / 2/18/2020 / 34-36	T-3-20 / T-3-20(36-38) / 2/18/2020 / 36-38	T-3-20 / T-3-20(38-40) / 2/18/2020 / 38-40
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00054	**0.045 J**	< 0.058	< 0.032	**0.00046**	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	**0.00020 J**
1,1,2,2-Tetrachloroethane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,1,2-Trichloroethane		< 0.00054	< 0.074	< 0.058	< 0.032	**0.00047**	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,1-Dichloroethane		< 0.00054	**0.033 J**	**0.018 J**	**0.012 J**	**0.0046**	**0.00064**	< 0.00052	< 0.00058	< 0.00049	< 0.00059	**0.00054**	**0.0011**
1,1-Dichloroethene		< 0.00054	**0.023 J**	< 0.058	< 0.032	**0.0020**	**0.00032 J**	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	**0.00032 J**
1,2,4-Trichlorobenzene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,2-Dibromo-3-chloropropane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,2-Dibromoethane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,2-Dichlorobenzene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,2-Dichloroethane		< 0.00054	< 0.074	< 0.058	< 0.032	**0.0020**	**0.00032 J**	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,2-Dichloropropane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,3-Dichlorobenzene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
1,4-Dichlorobenzene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
2-Butanone (MEK)		**0.0026 J**	< 0.37	**0.23 J**	**0.096 J**	< 0.0022	< 0.0022	< 0.0026	< 0.0029	**0.0013 J**	< 0.0029	< 0.0024	< 0.0035
4-Methyl-2-Pentanone		< 0.0027	< 0.37	< 0.29	< 0.16	< 0.0022	< 0.0022	< 0.0026	< 0.0029	< 0.0025	< 0.0029	< 0.0024	< 0.0035
Acetone		**0.024**	< 0.37	< 0.29	< 0.16	< 0.0026	**0.013**	< 0.0031	**0.0077**	**0.015**	**0.016**	**0.0058**	**0.02**
Benzene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Bromodichloromethane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Bromoform		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Bromomethane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Carbon Disulfide		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Carbon Tetrachloride		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
CFC-11		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
CFC-12		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Chlorobenzene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Chlorodibromomethane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Chloroethane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Chloroform		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Chloromethane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
cis-1,2-Dichloroethene		< 0.00054	**2.3**	**0.51**	**0.42**	**0.097**	**0.013**	**0.00078**	**0.0019**	< 0.00049	< 0.00059	**0.0049**	**0.016**
cis-1,3-Dichloropropene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Cyclohexane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Dichloromethane		< 0.00054	< 0.074	< 0.058	< 0.032	**0.0014**	< 0.00044	< 0.00052	< 0.00058	**0.00090**	**0.0011**	**0.00040 J**	**0.00070**
Ethylbenzene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Isopropylbenzene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
m&p-Xylenes		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	**0.00028 J**	**0.0034**
Methyl Acetate		< 0.0027	< 0.37	< 0.29	< 0.16	< 0.0022	< 0.0022	< 0.0026	< 0.0029	< 0.0025	< 0.0029	< 0.0024	< 0.0035
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0027	< 0.37	< 0.29	< 0.16	< 0.0022	< 0.0022	< 0.0026	< 0.0029	< 0.0025	< 0.0029	< 0.0024	< 0.0035
Methylcyclohexane		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	**0.0022**
Methyl-tert-butylether		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
o-Xylene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	**0.00015 J**	**0.0016**
Styrene (Monomer)		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Tetrachloroethene		< 0.00054	**0.039 J**	< 0.058	< 0.032	**0.00016 J**	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	**0.00026 J**	**0.0021**
Toluene		**0.00032 J**	**0.099**	< 0.058	< 0.032	< 0.00044	**0.00017 J**	**0.00016 J**	**0.00018 J**	< 0.00049	< 0.00059	< 0.00047	< 0.00069
trans-1,2-Dichloroethene		< 0.00054	**0.046 J**	< 0.058	< 0.032	**0.0019**	**0.00028 J**	< 0.00052	< 0.00058	< 0.00049	< 0.00059	**0.00013 J**	**0.00061 J**
trans-1,3-Dichloropropene		< 0.00054	< 0.074	< 0.058	< 0.032	< 0.00044	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	< 0.00047	< 0.00069
Trichloroethene		< 0.00054	**20**	**1.3**	**1**	**0.19**	**0.021**	**0.0013**	**0.0045**	< 0.00049	< 0.00059	**0.014**	**0.11**
Vinyl chloride		< 0.00054	< 0.074	< 0.058	< 0.032	**0.00047**	< 0.00044	< 0.00052	< 0.00058	< 0.00049	< 0.00059	**0.0038**	**0.0045**
Total VOCs [4]		**0.027**	**23**	**2.1**	**1.5**	**0.3**	**0.049**	**0.0022**	**0.014**	**0.017**	**0.017**	**0.03**	**0.16**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	T-3-20 / T-3-20(40-42) / 2/18/2020 / 40-42	T-3-20 / T-3-20(44-46) / 2/18/2020 / 44-46	T-3-20 / T-3-20(46-48) / 2/18/2020 / 46-48	T-3-20 / T-3-20(48-50) / 2/18/2020 / 48-50	T-3-20 / T-3-20(50-52) / 2/18/2020 / 50-52	T-4-20 / T-4-20(32-34) / 2/5/2020 / 32-34	T-4-20 / T-4-20(34-36) / 2/5/2020 / 34-36	T-4-20 / T-4-20(36-38) / 2/5/2020 / 36-38	T-4-20 / REP020520ALH / 2/5/2020 / 38-40	T-4-20 / T-4-20(38-40) / 2/5/2020 / 38-40	T-4-20 / T-4-20(40-42) / 2/5/2020 / 40-42	T-4-20 / T-4-20(42-44) / 2/5/2020 / 42-44
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	**0.037 J**	< 0.00097
1,1,2,2-Tetrachloroethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
1,1,2-Trichloroethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	**0.014 J**	< 0.00097
1,1-Dichloroethane		**0.00017 J**	**0.00011 J**	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.086 J**	**0.048 J**	**0.0017**	**0.22**	**0.00063 J**
1,1-Dichloroethene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	**0.00032 J**	**0.1**	< 0.00097
1,2,4-Trichlorobenzene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
1,2-Dibromo-3-chloropropane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
1,2-Dibromoethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
1,2-Dichlorobenzene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
1,2-Dichloroethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	**0.035 J**	< 0.00097
1,2-Dichloropropane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.047 J**	< 0.11	< 0.00076	**0.099**	< 0.00097
1,3-Dichlorobenzene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
1,4-Dichlorobenzene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
2-Butanone (MEK)		< 0.0032	< 0.0022	< 0.0047	< 0.0026	**0.0017 J**	< 0.0044	< 0.0045	< 0.59	**1.3**	< 0.0038	< 0.3	< 0.0049
4-Methyl-2-Pentanone		< 0.0032	< 0.0022	< 0.0047	< 0.0026	< 0.0024	< 0.0044	< 0.0045	< 0.59	< 0.57	< 0.0038	**0.18 J**	< 0.0049
Acetone		**0.032**	**0.0098**	**0.047**	**0.0096**	**0.02**	< 0.0053	< 0.0054	**0.9**	< 0.57	**0.028**	< 0.3	**0.012**
Benzene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Bromodichloromethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Bromoform		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Bromomethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Carbon Disulfide		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Carbon Tetrachloride		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
CFC-11		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
CFC-12		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Chlorobenzene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Chlorodibromomethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Chloroethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Chloroform		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	**0.023 J**	< 0.00097
Chloromethane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
cis-1,2-Dichloroethene		**0.0025**	**0.0013**	**0.0022**	**0.00014 J**	< 0.00048	< 0.00088	< 0.00090	**11**	**6.3**	**0.033**	**23**	**0.036**
cis-1,3-Dichloropropene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Cyclohexane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.032 J**	< 0.11	**0.00021 J**	< 0.06	< 0.00097
Dichloromethane		**0.00075**	**0.00078**	**0.0015**	**0.00046 J**	**0.00096**	**0.00070 J**	< 0.00090	< 0.12	< 0.11	**0.00044 J**	**0.099**	**0.0034**
Ethylbenzene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.096 J**	**0.063 J**	**0.00025 J**	< 0.06	< 0.00097
Isopropylbenzene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
m&p-Xylenes		**0.00031 J**	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.24**	**0.15**	**0.00060 J**	< 0.06	**0.00038 J**
Methyl Acetate		< 0.0032	< 0.0022	< 0.0047	< 0.0026	< 0.0024	< 0.0044	< 0.0045	< 0.59	< 0.57	< 0.0038	< 0.3	< 0.0049
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0032	< 0.0022	< 0.0047	< 0.0026	< 0.0024	< 0.0044	< 0.0045	< 0.59	< 0.57	< 0.0038	< 0.3	< 0.0049
Methylcyclohexane		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.098 J**	**0.089 J**	**0.00072 J**	< 0.06	< 0.00097
Methyl-tert-butylether		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	**0.00013 J**
o-Xylene		**0.00019 J**	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.2**	**0.15**	**0.00053 J**	< 0.06	**0.00026 J**
Styrene (Monomer)		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Tetrachloroethene		**0.00013 J**	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.046 J**	**0.044 J**	**0.00015 J**	< 0.06	< 0.00097
Toluene		**0.00023 J**	**0.00018 J**	< 0.00094	**0.00045 J**	**0.00020 J**	**0.00048 J**	< 0.00090	**9.2**	**6.5**	**0.0098**	**1**	**0.0047**
trans-1,2-Dichloroethene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.056 J**	**0.04 J**	**0.00020 J**	**0.073**	< 0.00097
trans-1,3-Dichloropropene		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	< 0.12	< 0.11	< 0.00076	< 0.06	< 0.00097
Trichloroethene		**0.0057**	**0.00094**	**0.0011**	**0.00028 J**	< 0.00048	< 0.00088	< 0.00090	**44**	**28**	**0.045**	**8.9**	**0.026**
Vinyl chloride		< 0.00064	< 0.00044	< 0.00094	< 0.00051	< 0.00048	< 0.00088	< 0.00090	**0.11 J**	**0.086 J**	**0.031**	**0.35**	**0.00066 J**
Total VOCs [4]		**0.042**	**0.013**	**0.052**	**0.011**	**0.023**	**0.0012**	0.0	**66**	**43**	**0.15**	**34**	**0.084**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	T-4-20 / T-4-20(44-46) / 2/5/2020 / 44-46	T-4-20 / T-4-20(46-48) / 2/5/2020 / 46-48	T-4-20 / T-4-20(48-50) / 2/5/2020 / 48-50	T-4-20 / T-4-20(50-52) / 2/5/2020 / 50-52	T-5-19 / T-5-19(32-34) / 1/24/2020 / 32-34	T-5-19 / T-5-19(34-36) / 1/24/2020 / 34-36	T-5-19 / T-5-19(36-38) / 1/24/2020 / 36-38	T-5-19 / T-5-19(38-40) / 1/24/2020 / 38-40	T-5-19 / T-5-19(40-42) / 1/24/2020 / 40-42	T-5-19 / T-5-19(42-44) / 1/24/2020 / 42-44	T-5-19 / T-5-19(44-46) / 1/24/2020 / 44-46	T-5-19 / T-5-19(46-48) / 1/24/2020 / 46-48
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		**0.025 J**	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	**0.00025 J**	< 0.11 J	< 0.23 J	**0.027 J**	**0.00029 J**
1,1,2,2-Tetrachloroethane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
1,1,2-Trichloroethane		**0.0085 J**	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	**0.00024 J**
1,1-Dichloroethane		**0.14**	< 0.00072	**0.00048 J**	< 0.00089	< 0.0010	< 0.00085	**0.0032**	**0.0064**	**0.068 J**	**0.23 J**	**0.15**	**0.0032**
1,1-Dichloroethene		**0.076**	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	**0.00037 J**	**0.0017**	**0.043 J**	**0.14 J**	**0.08 J**	**0.0018**
1,2,4-Trichlorobenzene		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
1,2-Dibromo-3-chloropropane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
1,2-Dibromoethane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
1,2-Dichlorobenzene		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
1,2-Dichloroethane		**0.023 J**	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	**0.00030 J**	< 0.11 J	< 0.23 J	**0.052 J**	**0.00080 J**
1,2-Dichloropropane		**0.073**	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	**0.00040 J**	**0.041 J**	**0.14 J**	**0.077**	**0.0014**
1,3-Dichlorobenzene		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
1,4-Dichlorobenzene		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
2-Butanone (MEK)		< 0.28	**0.0038**	**0.055**	**0.0042 J**	**0.0031 J**	< 0.0042	< 0.0039	< 0.0041	< 0.53 J	< 1.2 J	< 0.3	< 0.0041
4-Methyl-2-Pentanone		**0.13 J**	< 0.0036	< 0.0044	< 0.0044	< 0.0050	< 0.0042	< 0.0039	< 0.0041	< 0.53 J	< 1.2 J	**0.36**	**0.0057**
Acetone		< 0.28	**0.018**	**0.18**	**0.019**	**0.045**	< 0.0051	**0.063**	< 0.0050	< 0.53 J	< 1.2 J	< 0.3	**0.0078**
Benzene		< 0.056	< 0.00072	**0.0011**	**0.00023 J**	**0.00033 J**	< 0.00085	< 0.00078	**0.00022 J**	< 0.11 J	< 0.23 J	< 0.06	**0.00029 J**
Bromodichloromethane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Bromoform		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Bromomethane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Carbon Disulfide		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	**0.00051 J**
Carbon Tetrachloride		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
CFC-11		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
CFC-12		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Chlorobenzene		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Chlorodibromomethane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Chloroethane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Chloroform		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Chloromethane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
cis-1,2-Dichloroethene		**18**	**0.01**	**0.02**	**0.00064 J**	**0.00031 J**	< 0.00085	**0.061**	**0.34**	**12 J**	**43 J**	**22**	**0.39**
cis-1,3-Dichloropropene		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Cyclohexane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	**0.00074 J**	**0.0011**	**0.032 J**	< 0.23 J	< 0.06	**0.00050 J**
Dichloromethane		**0.051 J**	**0.0016**	**0.0015**	**0.00042 J**	< 0.0010	< 0.00085	< 0.00078	**0.00090**	< 0.11 J	**0.16 J**	**0.093**	**0.0020**
Ethylbenzene		< 0.056	< 0.00072	**0.00052 J**	< 0.00089	< 0.0010	< 0.00085	**0.00095**	**0.0052**	**0.13 J**	< 0.23 J	< 0.06	**0.0012**
Isopropylbenzene		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	**0.00026 J**	**0.00058 J**	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
m&p-Xylenes		< 0.056	**0.00021 J**	**0.00061 J**	< 0.00089	**0.00048 J**	< 0.00085	**0.0013**	**0.011**	**0.29 J**	< 0.23 J	< 0.06	**0.0028**
Methyl Acetate		< 0.28	< 0.0036	< 0.0044	< 0.0044	< 0.0050	< 0.0042	< 0.0039	< 0.0041	< 0.53 J	< 1.2 J	< 0.3	< 0.0041
Methyl N-Butyl Ketone (2-Hexanone)		< 0.28	< 0.0036	**0.01**	< 0.0044	< 0.0050	< 0.0042	< 0.0039	< 0.0041	< 0.53 J	< 1.2 J	< 0.3	< 0.0041
Methylcyclohexane		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	**0.023**	**0.023**	< 0.11 J	< 0.23 J	< 0.06	**0.01**
Methyl-tert-butylether		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
o-Xylene		< 0.056	**0.00017 J**	**0.00047 J**	< 0.00089	**0.00021 J**	< 0.00085	**0.00097**	**0.0066**	**0.23 J**	< 0.23 J	< 0.06	**0.0019**
Styrene (Monomer)		< 0.056	< 0.00072	**0.00036 J**	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Tetrachloroethene		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	**0.00077 J**	**0.04 J**	< 0.23 J	< 0.06	**0.00037 J**
Toluene		**2.5**	**0.0033**	**0.035**	**0.00055 J**	**0.0012**	< 0.00085	**0.017**	**0.16**	**15 J**	**2.7 J**	**0.8**	**0.12**
trans-1,2-Dichloroethene		**0.065**	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	**0.00027 J**	**0.0016**	**0.054 J**	**0.13 J**	**0.061**	**0.0016**
trans-1,3-Dichloropropene		< 0.056	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	< 0.00078	< 0.00083	< 0.11 J	< 0.23 J	< 0.06	< 0.00083
Trichloroethene		**20**	**0.017**	**0.0097**	**0.00065 J**	< 0.0010	< 0.00085	**0.028**	**0.22**	**36 J**	**14 J**	**3.6**	**0.38**
Vinyl chloride		**0.14**	< 0.00072	< 0.00088	< 0.00089	< 0.0010	< 0.00085	**0.072**	**0.085**	**0.18 J**	**0.53 J**	**0.43**	**0.016**
Total VOCs [4]		**41**	**0.054**	**0.31**	**0.026**	**0.051**	0.0	**0.27**	**0.87**	**64**	**61**	**28**	**0.95**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	T-5-19 T-5-19(48-50) 1/24/2020 48-50	T-5-19 T-5-19(50-52) 1/24/2020 50-52	T-7-19 T-7-19(32-34) 1/23/2020 32-34	T-7-19 T-7-19(34-36) 1/23/2020 34-36	T-7-19 T-7-19(36-38) 1/23/2020 36-38	T-7-19 T-7-19(40-42) 1/23/2020 40-42	T-7-19 T-7-19(42-44) 1/23/2020 42-44	T-7-19 T-7-19(44-46) 1/23/2020 44-46	T-7-19 REP012320ALH 1/23/2020 46-48	T-7-19 T-7-19(46-48) 1/23/2020 46-48	T-7-19 T-7-19(48-50) 1/23/2020 48-50	T-7-19 T-7-19(50-52) 1/23/2020 50-52
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,1,2,2-Tetrachloroethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,1,2-Trichloroethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	**0.0090 J**	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,1-Dichloroethane		**0.00040 J**	< 0.00084	< 0.00084	< 0.00070	**0.0010**	**0.074 J**	< 0.00088	< 0.00095	**0.00084**	**0.0012**	**0.00082 J**	< 0.00096
1,1-Dichloroethene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	**0.00046 J**	**0.036 J**	< 0.00088	< 0.00095	**0.00042 J**	**0.0010**	**0.00030 J**	< 0.00096
1,2,4-Trichlorobenzene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,2-Dibromo-3-chloropropane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,2-Dibromoethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,2-Dichlorobenzene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,2-Dichloroethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,2-Dichloropropane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	**0.024 J**	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,3-Dichlorobenzene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
1,4-Dichlorobenzene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
2-Butanone (MEK)		< 0.0039	< 0.0042	< 0.0042	< 0.0035	< 0.0036	< 0.2	< 0.0044	< 0.0048	< 0.0041	< 0.0045	< 0.0044	< 0.0048
4-Methyl-2-Pentanone		< 0.0039	< 0.0042	< 0.0042	< 0.0035	< 0.0036	**0.16 J**	< 0.0044	< 0.0048	< 0.0041	< 0.0045	< 0.0044	< 0.0048
Acetone		**0.0049**	< 0.0050	**0.0073**	**0.0099**	**0.024**	< 0.2	**0.26 J**	**0.13**	**0.0082**	**0.0064**	**0.016**	**0.012**
Benzene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Bromodichloromethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Bromoform		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Bromomethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Carbon Disulfide		< 0.00077	< 0.00084	< 0.00084	< 0.00070	**0.0045**	< 0.039	**0.0011 J**	**0.00089 J**	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Carbon Tetrachloride		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
CFC-11		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
CFC-12		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Chlorobenzene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Chlorodibromomethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Chloroethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Chloroform		< 0.00077	< 0.00084	**0.00048 J**	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Chloromethane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
cis-1,2-Dichloroethene		**0.017**	**0.0013**	< 0.00084	< 0.00070	**0.097**	**13 J**	< 0.00088	**0.00096**	**0.039**	**0.059**	**0.042**	**0.011**
cis-1,3-Dichloropropene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Cyclohexane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	**0.0020**	**0.032 J**	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Dichloromethane		< 0.00077	< 0.00084	**0.00049 J**	**0.00068 J**	**0.00047 J**	< 0.039	**0.00064 J**	< 0.00095	**0.00085**	**0.00060 J**	**0.00081 J**	< 0.00096
Ethylbenzene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	**0.0044**	**0.087 J**	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Isopropylbenzene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	**0.00081**	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
m&p-Xylenes		**0.00027 J**	**0.00019 J**	< 0.00084	**0.00016 J**	**0.014**	**0.2 J**	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Methyl Acetate		< 0.0039	< 0.0042	< 0.0042	< 0.0035	< 0.0036	< 0.2	< 0.0044	< 0.0048	< 0.0041	< 0.0045	< 0.0044	< 0.0048
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0039	< 0.0042	< 0.0042	< 0.0035	< 0.0036	< 0.2	< 0.0044	< 0.0048	< 0.0041	< 0.0045	< 0.0044	< 0.0048
Methylcyclohexane		< 0.00077	< 0.00084	< 0.00084	< 0.00070	**0.02**	**0.13 J**	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Methyl-tert-butylether		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
o-Xylene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	**0.0074**	**0.17 J**	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Styrene (Monomer)		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Tetrachloroethene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	**0.00037 J**	**0.023 J**	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Toluene		**0.00055 J**	**0.00028 J**	< 0.00084	**0.00026 J**	**0.15**	**13 J**	**0.00026 J**	< 0.00095	**0.00031 J**	**0.00021 J**	**0.0020**	< 0.00096
trans-1,2-Dichloroethene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	**0.00067 J**	**0.083 J**	< 0.00088	< 0.00095	< 0.00082	**0.00025 J**	< 0.00088	< 0.00096
trans-1,3-Dichloropropene		< 0.00077	< 0.00084	< 0.00084	< 0.00070	< 0.00072	< 0.039	< 0.00088	< 0.00095	< 0.00082	< 0.00089	< 0.00088	< 0.00096
Trichloroethene		**0.0071**	**0.0021**	< 0.00084	< 0.00070	**0.14**	**23 DJ**	< 0.00088	**0.00036 J**	**0.038**	**0.062**	**0.031**	**0.0059**
Vinyl chloride		**0.00045 J**	< 0.00084	< 0.00084	< 0.00070	**0.02**	**1.2 J**	**0.031**	**0.0013**	**0.0034**	**0.0054**	**0.0046**	< 0.00096
Total VOCs [4]		**0.031**	**0.0039**	**0.0083**	**0.011**	**0.49**	**51**	**0.29**	**0.13**	**0.091**	**0.14**	**0.098**	**0.029**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	T-7-19 T-7-19(52-54) 1/23/2020 52-54	T-9-19 T-9-19(32-34) 1/22/2020 32-34	T-9-19 T-9-19(34-36) 1/22/2020 34-36	T-9-19 T-9-19(36-38) 1/22/2020 36-38	T-9-19 T-9-19(38-40) 1/22/2020 38-40	T-9-19 T-9-19(40-42) 1/22/2020 40-42	T-9-19 T-9-19(42-44) 1/22/2020 42-44	T-9-19 T-9-19(44-46) 1/22/2020 44-46	T-9-19 T-9-19(46-48) 1/22/2020 46-48	T-9-19 T-9-19(48-50) 1/22/2020 48-50	U-5-20 U-5-20(32-34) 2/4/2020 32-34	U-5-20 U-5-20(34-36) 2/4/2020 34-36
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066 J	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,1,2,2-Tetrachloroethane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,1,2-Trichloroethane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,1-Dichloroethane		**0.00078 J**	< 0.00081	< 0.00067	< 0.052	**0.22 J**	**0.031 J**	< 0.00098	< 0.0010	**0.00058 J**	**0.00089 J**	< 0.00083	< 0.00090
1,1-Dichloroethene		**0.00037 J**	< 0.00081	< 0.00067	< 0.052	< 0.066 J	< 0.057	< 0.00098	< 0.0010	< 0.00098	**0.00025 J**	< 0.00083	< 0.00090
1,2,4-Trichlorobenzene		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,2-Dibromo-3-chloropropane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066 J	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,2-Dibromoethane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066 J	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,2-Dichlorobenzene		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,2-Dichloroethane		< 0.00083	< 0.00081	< 0.00067	< 0.052	**0.023 J**	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,2-Dichloropropane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,3-Dichlorobenzene		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
1,4-Dichlorobenzene		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
2-Butanone (MEK)		< 0.0041	**0.0033 J**	**0.0049**	< 0.26	< 0.33 J	< 0.28	< 0.0049	< 0.0051	< 0.0049	**0.0058**	< 0.0041	< 0.0045
4-Methyl-2-Pentanone		< 0.0041	< 0.0040	< 0.0033	< 0.26	**0.2 J**	< 0.28	< 0.0049	< 0.0051	< 0.0049	< 0.0050	< 0.0041	< 0.0045
Acetone		**0.017**	**0.0057**	**0.022**	< 0.26 J	**0.35 J**	< 0.28 J	**0.032**	< 0.0061	< 0.0059	**0.065**	< 0.0050	**0.014**
Benzene		< 0.00083	**0.016**	**0.00030 J**	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Bromodichloromethane		< 0.00083	< 0.00081 J	< 0.00067 J	< 0.052	< 0.066 J	< 0.057	< 0.00098 J	< 0.0010 J	< 0.00098 J	< 0.0010 J	< 0.00083	< 0.00090
Bromoform		< 0.00083	< 0.00081 J	< 0.00067 J	< 0.052 J	< 0.066 J	< 0.057 J	< 0.00098 J	< 0.0010 J	< 0.00098 J	< 0.0010 J	< 0.00083	< 0.00090
Bromomethane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Carbon Disulfide		**0.00064 J**	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Carbon Tetrachloride		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066 J	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
CFC-11		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
CFC-12		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Chlorobenzene		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Chlorodibromomethane		< 0.00083	< 0.00081 J	< 0.00067 J	< 0.052	< 0.066 J	< 0.057	< 0.00098 J	< 0.0010 J	< 0.00098 J	< 0.0010 J	< 0.00083	< 0.00090
Chloroethane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Chloroform		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066 J	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Chloromethane		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
cis-1,2-Dichloroethene		**0.036**	< 0.00081	< 0.00067	**1.7**	**14**	**5.4**	< 0.00098	**0.025**	**0.043**	**0.047**	< 0.00083	< 0.00090
cis-1,3-Dichloropropene		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Cyclohexane		< 0.00083	**0.00028 J**	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Dichloromethane		**0.00074 J**	< 0.00081	< 0.00067	< 0.052	**0.21 J**	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	**0.00059 J**	**0.00095**
Ethylbenzene		< 0.00083	**0.0094**	**0.00020 J**	**0.047 J**	< 0.066	**0.039 J**	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Isopropylbenzene		< 0.00083	**0.00069 J**	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
m&p-Xylenes		**0.00023 J**	**0.0062**	**0.00033 J**	**0.21**	< 0.066	**0.12**	< 0.00098	**0.00021 J**	< 0.00098	**0.00041 J**	< 0.00083	< 0.00090
Methyl Acetate		< 0.0041	< 0.0040	< 0.0033	< 0.26	< 0.33 J	< 0.28	< 0.0049	< 0.0051	< 0.0049	< 0.0050	< 0.0041	< 0.0045
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0041	< 0.0040	**0.0015 J**	< 0.26 J	< 0.33 J	< 0.28 J	< 0.0049	< 0.0051	< 0.0049	< 0.0050	< 0.0041	< 0.0045
Methylcyclohexane		< 0.00083	**0.00078 J**	< 0.00067	**0.05 J**	< 0.066	**0.082**	< 0.00098	**0.00057 J**	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Methyl-tert-butylether		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
o-Xylene		< 0.00083	**0.0082**	**0.00021 J**	**0.12**	< 0.066	**0.08**	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Styrene (Monomer)		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Tetrachloroethene		< 0.00083	< 0.00081	< 0.00067	< 0.052	< 0.066	< 0.057	< 0.00098	< 0.0010	< 0.00098	< 0.0010	< 0.00083	< 0.00090
Toluene		**0.0057**	**0.052**	**0.00091**	**1.9**	**0.24 J**	**2.5**	< 0.00098	< 0.0010	**0.00042 J**	**0.00072 J**	**0.00046 J**	< 0.00090
trans-1,2-Dichloroethene		< 0.00083	< 0.00081	< 0.00067	**0.0097 J**	**0.012 J**	**0.049 J**	< 0.00098	**0.00062 J**	< 0.00098	< 0.0010	< 0.00083	< 0.00090
trans-1,3-Dichloropropene		< 0.00083	< 0.00081 J	< 0.00067 J	< 0.052	< 0.066	< 0.057	< 0.00098 J	< 0.0010 J	< 0.00098 J	< 0.0010 J	< 0.00083	< 0.00090
Trichloroethene		**0.021**	< 0.00081	< 0.00067	**1.6**	**0.34 J**	**4**	< 0.00098	**0.018**	**0.016**	**0.024**	< 0.00083	< 0.00090
Vinyl chloride		**0.019**	< 0.00081	< 0.00067	**0.064**	**3 J**	**0.22**	< 0.00098	< 0.0010	**0.00055 J**	**0.00083 J**	< 0.00083	< 0.00090
Total VOCs [4]		**0.1**	**0.1**	**0.03**	**5.7**	**19**	**13**	**0.032**	**0.044**	**0.061**	**0.14**	**0.0011**	**0.015**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	U-5-20 / U-5-20(36-38) / 2/4/2020 / 36-38	U-5-20 / U-5-20(38-40) / 2/4/2020 / 38-40	U-5-20 / U-5-20(40-42) / 2/4/2020 / 40-42	U-5-20 / U-5-20(42-44) / 2/4/2020 / 42-44	U-5-20 / U-5-20(44-46) / 2/4/2020 / 44-46	U-5-20 / U-5-20(46-48) / 2/4/2020 / 46-48	U-5-20 / U-5-20(48-50) / 2/4/2020 / 48-50	U-7-20 / U-7-20(32-34) / 2/3/2020 / 32-34	U-7-20 / U-7-20(34-36) / 2/3/2020 / 34-36	U-7-20 / U-7-20(36-38) / 2/3/2020 / 36-38	U-7-20 / U-7-20(40-42) / 2/3/2020 / 40-42	U-7-20 / U-7-20(42-44) / 2/3/2020 / 42-44
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
1,1,2,2-Tetrachloroethane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00099	< 0.00087	< 0.00076	< 0.62 J	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
1,1,2-Trichloroethane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	**0.038 J**
1,1-Dichloroethane		< 0.00099	< 0.00087	**0.00064 J**	**0.22 J**	**0.0012**	**0.00099**	**0.00082 J**	< 0.00087	< 0.00067	< 0.00088	**0.088**	**0.18**
1,1-Dichloroethene		< 0.00099	< 0.00087	< 0.00076	< 0.62	**0.00077 J**	**0.00040 J**	**0.00020 J**	< 0.00087	< 0.00067	< 0.00088	**0.058**	**0.072**
1,2,4-Trichlorobenzene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
1,2-Dibromo-3-chloropropane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
1,2-Dibromoethane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
1,2-Dichlorobenzene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
1,2-Dichloroethane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
1,2-Dichloropropane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	**0.032 J**	**0.048 J**
1,3-Dichlorobenzene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
1,4-Dichlorobenzene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
2-Butanone (MEK)		< 0.0049	< 0.0044	< 0.0038	< 3.1	< 0.0046	< 0.0046	**0.035**	< 0.0044	**0.0092**	**0.0056**	< 0.27	< 0.31
4-Methyl-2-Pentanone		< 0.0049	< 0.0044	< 0.0038	< 3.1	< 0.0046	< 0.0046	< 0.0045	< 0.0044	< 0.0033	< 0.0044	**0.12 J**	**0.37**
Acetone		< 0.0059	**0.043**	**0.019**	< 3.1	< 0.0055	**0.025**	**0.07**	**0.053**	**0.037**	**0.12**	< 0.27	< 0.31
Benzene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	**0.0043**	< 0.00087	**0.00028 J**	< 0.00088	< 0.054	< 0.062
Bromodichloromethane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Bromoform		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Bromomethane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Carbon Disulfide		< 0.00099	< 0.00087	**0.00086**	< 0.62	< 0.00092	< 0.00093	**0.0036**	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Carbon Tetrachloride		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
CFC-11		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
CFC-12		< 0.00099	< 0.00087	< 0.00076	< 0.62 J	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054 J	< 0.062 J
Chlorobenzene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Chlorodibromomethane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Chloroethane		< 0.00099	< 0.00087	< 0.00076	< 0.62 J	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Chloroform		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Chloromethane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	**0.0043**	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
cis-1,2-Dichloroethene		< 0.00099	**0.00025 J**	**0.0092**	**50**	**0.03**	**0.062**	**0.062**	< 0.00087	< 0.00067	< 0.00088	**20**	**19**
cis-1,3-Dichloropropene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Cyclohexane		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	**0.048 J**	**0.038 J**
Dichloromethane		**0.0026**	**0.00080 J**	**0.00096**	< 0.62	**0.0028**	**0.0019**	**0.0023**	**0.00061 J**	**0.00038 J**	< 0.00088	**0.032 J**	**0.086**
Ethylbenzene		< 0.00099	< 0.00087	**0.00039 J**	**0.32 J**	< 0.00092	< 0.00093	**0.0026**	< 0.00087	< 0.00067	< 0.00088	**0.22**	**0.027 J**
Isopropylbenzene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
m&p-Xylenes		< 0.00099	< 0.00087	**0.00083**	**0.48 J**	**0.00019 J**	**0.00033 J**	**0.0023**	**0.00028 J**	**0.00012 J**	**0.00031 J**	**0.58**	**0.04 J**
Methyl Acetate		< 0.0049	< 0.0044	< 0.0038	< 3.1	< 0.0046	< 0.0046	< 0.0045	< 0.0044	< 0.0033	< 0.0044	**0.052 J**	**0.059 J**
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0049	< 0.0044	< 0.0038	< 3.1	< 0.0046	< 0.0046	**0.0067 J**	< 0.0044	**0.0053**	< 0.0044	< 0.27	< 0.31
Methylcyclohexane		< 0.00099	**0.0010**	**0.013**	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	**0.35**	< 0.062
Methyl-tert-butylether		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
o-Xylene		**0.00029 J**	< 0.00087	**0.00049 J**	**0.44 J**	< 0.00092	**0.00031 J**	**0.0024**	< 0.00087	< 0.00067	< 0.00088	**0.35**	**0.038 J**
Styrene (Monomer)		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	**0.00073 J**	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Tetrachloroethene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	**0.047 J**	< 0.062
Toluene		**0.00041 J**	**0.00058 J**	**0.0033**	**38**	**0.011**	**0.015**	**0.13**	**0.00074 J**	**0.017**	**0.00060 J**	**18**	**14**
trans-1,2-Dichloroethene		< 0.00099	< 0.00087	< 0.00076	**0.26 J**	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	**0.055**	**0.063**
trans-1,3-Dichloropropene		< 0.00099	< 0.00087	< 0.00076	< 0.62	< 0.00092	< 0.00093	< 0.00090	< 0.00087	< 0.00067	< 0.00088	< 0.054	< 0.062
Trichloroethene		< 0.00099	< 0.00087	**0.0045**	**99**	**0.033**	**0.054**	**0.049**	< 0.00087	< 0.00067	< 0.00088	**20**	**21**
Vinyl chloride		< 0.00099	**0.00073 J**	**0.0099**	**0.79 J**	**0.11**	**0.015**	**0.0039**	< 0.00087	< 0.00067	< 0.00088	**1.1**	**1.7**
Total VOCs [4]		**0.0033**	**0.046**	**0.063**	**190**	**0.19**	**0.17**	**0.38**	**0.055**	**0.069**	**0.13**	**61**	**57**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	U-7-20 / U-7-20(44-46) / 2/3/2020 / 44-46	U-7-20 / U-7-20(46-48) / 2/3/2020 / 46-48	U-7-20 / U-7-20(48-50) / 2/3/2020 / 48-50	U-7-20 / U-7-20(50-52) / 2/3/2020 / 50-52	U-9-20 / U-9-20(32-34) / 1/31/2020 / 32-34	U-9-20 / U-9-20(34-36) / 1/31/2020 / 34-36	U-9-20 / U-9-20(36-38) / 1/31/2020 / 36-38	U-9-20 / U-9-20(40-42) / 1/31/2020 / 40-42	U-9-20 / U-9-20(42-44) / 1/31/2020 / 42-44	U-9-20 / U-9-20(44-46) / 1/31/2020 / 44-46	U-9-20 / U-9-20(46-48) / 1/31/2020 / 46-48	U-9-20 / U-9-20(48-50) / 1/31/2020 / 48-50
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,1,2,2-Tetrachloroethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,1,2-Trichloroethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,1-Dichloroethane		**0.13**	**0.0014**	**0.0016**	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	**0.00054 J**	**0.00048 J**	< 0.00083	< 0.00092
1,1-Dichloroethene		**0.045 J**	**0.00053 J**	**0.00082**	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,2,4-Trichlorobenzene		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,2-Dibromo-3-chloropropane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,2-Dibromoethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,2-Dichlorobenzene		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,2-Dichloroethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,2-Dichloropropane		**0.027 J**	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,3-Dichlorobenzene		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
1,4-Dichlorobenzene		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
2-Butanone (MEK)		< 0.29	< 0.0042	< 0.0040	< 0.0042	**0.04**	**0.16**	**0.0026 J**	< 0.3	**0.0058**	< 0.0043	< 0.0042	< 0.0046
4-Methyl-2-Pentanone		**0.24 J**	< 0.0042	**0.0041**	< 0.0042	< 0.0041	< 0.0041	< 0.0042	< 0.3	< 0.0055	< 0.0043	< 0.0042	< 0.0046
Acetone		< 0.29	**0.0072**	**0.047**	**0.015**	**0.12**	**0.43**	**0.074**	< 0.3	**0.05**	< 0.0051	< 0.0050	< 0.0055
Benzene		< 0.059	< 0.00083	< 0.00080	< 0.00084	**0.0013**	**0.0054**	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Bromodichloromethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Bromoform		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Bromomethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Carbon Disulfide		< 0.059	< 0.00083	**0.0012**	< 0.00084	< 0.00083	< 0.00083	**0.0028**	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Carbon Tetrachloride		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
CFC-11		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
CFC-12		< 0.059 J	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Chlorobenzene		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Chlorodibromomethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Chloroethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Chloroform		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Chloromethane		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
cis-1,2-Dichloroethene		**10**	**0.1**	**0.29**	**0.0067**	< 0.00083	< 0.00083	< 0.00085	**0.39**	**0.00088 J**	**0.026**	**0.0092**	**0.0081**
cis-1,3-Dichloropropene		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Cyclohexane		< 0.059	< 0.00083	**0.00026 J**	< 0.00084	< 0.00083	**0.00023 J**	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Dichloromethane		**0.078**	**0.0011**	**0.0022**	< 0.00084	**0.0028**	**0.00061 J**	**0.0011**	< 0.061	**0.0044**	< 0.00085	< 0.00083	< 0.00092
Ethylbenzene		**0.024 J**	**0.00033 J**	**0.0031**	< 0.00084	**0.00066 J**	**0.0015**	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Isopropylbenzene		< 0.059	< 0.00083	**0.00014 J**	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
m&p-Xylenes		**0.06**	**0.0010**	**0.011**	**0.00039 J**	**0.00034 J**	**0.00070 J**	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Methyl Acetate		< 0.29	< 0.0042	< 0.0040	< 0.0042	< 0.0041	**0.0062**	< 0.0042	< 0.3	< 0.0055	< 0.0043	< 0.0042	< 0.0046
Methyl N-Butyl Ketone (2-Hexanone)		< 0.29	< 0.0042	< 0.0040	< 0.0042	**0.0086**	**0.019**	< 0.0042	< 0.3	< 0.0055	< 0.0043	< 0.0042	< 0.0046
Methylcyclohexane		< 0.059	**0.00081 J**	**0.0042**	< 0.00084	< 0.00083	**0.00092**	**0.00090**	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Methyl-tert-butylether		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
o-Xylene		**0.036 J**	**0.00050 J**	**0.0050**	< 0.00084	**0.00055 J**	**0.0012**	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Styrene (Monomer)		< 0.059	< 0.00083	< 0.00080	< 0.00084	**0.00065 J**	**0.00087**	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Tetrachloroethene		< 0.059	< 0.00083	**0.00041 J**	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Toluene		**4.6**	**0.021**	**0.14**	**0.0050**	**0.011**	**0.022**	**0.00054 J**	**0.15**	< 0.0011	**0.00025 J**	< 0.00083	< 0.00092
trans-1,2-Dichloroethene		**0.037 J**	**0.00025 J**	**0.0012**	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
trans-1,3-Dichloropropene		< 0.059	< 0.00083	< 0.00080	< 0.00084	< 0.00083	< 0.00083	< 0.00085	< 0.061	< 0.0011	< 0.00085	< 0.00083	< 0.00092
Trichloroethene		**6.3**	**0.075**	**0.16**	**0.0042**	< 0.00083	< 0.00083	< 0.00085	**0.16**	**0.00017 J**	**0.011**	**0.0041**	**0.0045**
Vinyl chloride		**1.1**	**0.012**	**0.045**	**0.00049 J**	< 0.00083	< 0.00083	< 0.00085	**0.024 J**	**0.039**	< 0.00085	< 0.00083	< 0.00092
Total VOCs [4]		**23**	**0.22**	**0.72**	**0.032**	**0.19**	**0.65**	**0.082**	**0.72**	**0.1**	**0.038**	**0.013**	**0.013**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	U-9-20 / U-9-20(50-52) / 1/31/2020 / 50-52	V-5-20 / V-5-20(32-34) / 2/13/2020 / 32-34	V-5-20 / V-5-20(34-36) / 2/13/2020 / 34-36	V-5-20 / V-5-20(36-38) / 2/13/2020 / 36-38	V-5-20 / V-5-20(40-42) / 2/13/2020 / 40-42	V-5-20 / V-5-20(42-44) / 2/13/2020 / 42-44	V-5-20 / V-5-20(44-46) / 2/13/2020 / 44-46	V-5-20 / V-5-20(46-48) / 2/13/2020 / 46-48	V-5-20 / V-5-20(48-50) / 2/13/2020 / 48-50	V-5-20 / V-5-20(50-52) / 2/13/2020 / 50-52	V-7-20 / V-7-20(32-34) / 2/12/2020 / 32-34	V-7-20 / V-7-20(34-36) / 2/12/2020 / 34-36
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
1,1,2,2-Tetrachloroethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
1,1,2-Trichloroethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	**0.057 J**	< 0.037	**0.00024 J**	< 0.00081	< 0.00056	< 0.00054
1,1-Dichloroethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	**0.00032 J**	< 0.06	**0.2 J**	**0.034 J**	**0.0028**	< 0.00081	< 0.00056	< 0.00054
1,1-Dichloroethene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	**0.24 J**	**0.027 J**	**0.00058**	< 0.00081	< 0.00056	< 0.00054
1,2,4-Trichlorobenzene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
1,2-Dibromo-3-chloropropane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
1,2-Dibromoethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
1,2-Dichlorobenzene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
1,2-Dichloroethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	**0.072 J**	**0.019 J**	**0.00022 J**	< 0.00081	< 0.00056	< 0.00054
1,2-Dichloropropane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	**0.085 J**	< 0.037	**0.00039 J**	< 0.00081	< 0.00056	< 0.00054
1,3-Dichlorobenzene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
1,4-Dichlorobenzene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
2-Butanone (MEK)		< 0.0044	< 0.0044 J	< 0.0067 J	< 0.0040 J	< 0.0048 J	< 0.3	< 0.78 J	< 0.19	< 0.0024 J	< 0.0041 J	< 0.0028	< 0.0027
4-Methyl-2-Pentanone		< 0.0044	< 0.0044	< 0.0067	< 0.0040	< 0.0048	< 0.3	**0.57 J**	**0.06 J**	< 0.0024	< 0.0041	< 0.0028	< 0.0027
Acetone		< 0.0053	**0.026 J**	**0.018 J**	**0.0047 J**	**0.072 J**	< 0.3	< 0.78 J	< 0.19	< 0.0029 J	< 0.0049 J	**0.047**	**0.051**
Benzene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Bromodichloromethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Bromoform		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Bromomethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Carbon Disulfide		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Carbon Tetrachloride		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
CFC-11		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
CFC-12		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Chlorobenzene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Chlorodibromomethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Chloroethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Chloroform		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	**0.0082 J**	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Chloromethane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
cis-1,2-Dichloroethene		**0.011**	< 0.00087	< 0.0013	< 0.00080	**0.021**	**0.94**	**29 J**	**2.9**	**0.14**	**0.0013**	< 0.00056	< 0.00054
cis-1,3-Dichloropropene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Cyclohexane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Dichloromethane		< 0.00089	**0.00061 J**	**0.0010 J**	< 0.00080	< 0.00096	< 0.06	**0.08 J**	**0.019 J**	**0.00034 J**	< 0.00081	< 0.00056	< 0.00054
Ethylbenzene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	**0.00088 J**	**0.2**	< 0.16 J	< 0.037	**0.00019 J**	**0.00018 J**	< 0.00056	< 0.00054
Isopropylbenzene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	**0.00037 J**	**0.027 J**	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
m&p-Xylenes		< 0.00089	**0.00025 J**	< 0.0013	< 0.00080	**0.0014**	**0.75**	< 0.16 J	< 0.037	**0.00065**	**0.00052 J**	< 0.00056	< 0.00054
Methyl Acetate		< 0.0044	< 0.0044	< 0.0067	< 0.0040	< 0.0048	< 0.3	< 0.78 J	< 0.19	< 0.0024	< 0.0041	< 0.0028	< 0.0027
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0044	< 0.0044	< 0.0067	< 0.0040	< 0.0048	< 0.3	< 0.78 J	< 0.19	< 0.0024	< 0.0041	< 0.0028	< 0.0027
Methylcyclohexane		< 0.00089	< 0.00087	< 0.0013	< 0.00080	**0.031**	**0.59**	**0.082 J**	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Methyl-tert-butylether		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
o-Xylene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	**0.00078 J**	**0.34**	< 0.16 J	< 0.037	**0.00034 J**	**0.00026 J**	< 0.00056	< 0.00054
Styrene (Monomer)		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Tetrachloroethene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	**0.043 J**	< 0.16 J	< 0.037	**0.000071 J**	< 0.00081	< 0.00056	< 0.00054
Toluene		< 0.00089	**0.00066 J**	< 0.0013	**0.00063 J**	**0.0060**	**1.7**	**24 J**	**0.77**	**0.0064**	**0.0023**	**0.00035 J**	**0.00024 J**
trans-1,2-Dichloroethene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	**0.11 J**	**0.0084 J**	**0.00023 J**	< 0.00081	< 0.00056	< 0.00054
trans-1,3-Dichloropropene		< 0.00089	< 0.00087	< 0.0013	< 0.00080	< 0.00096	< 0.06	< 0.16 J	< 0.037	< 0.00048	< 0.00081	< 0.00056	< 0.00054
Trichloroethene		**0.0057**	< 0.00087	< 0.0013	< 0.00080	**0.00029 J**	**2.6**	**70 J**	**2.7**	**0.099**	**0.0030**	< 0.00056	< 0.00054
Vinyl chloride		< 0.00089	< 0.00087	< 0.0013	< 0.00080	**0.0057**	**0.068**	**0.5 J**	**0.17**	**0.00050**	< 0.00081	< 0.00056	< 0.00054
Total VOCs [4]		**0.017**	**0.028**	**0.019**	**0.0053**	**0.14**	**7.3**	**120**	**6.7**	**0.25**	**0.0076**	**0.047**	**0.051**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	V-7-20 V-7-20(36-38) 2/12/2020 36-38	V-7-20 V-7-20(38-40) 2/12/2020 38-40	V-7-20 V-7-20(40-42) 2/12/2020 40-42	V-7-20 V-7-20(42-44) 2/12/2020 42-44	V-7-20 V-7-20(44-46) 2/12/2020 44-46	V-7-20 V-7-20(46-48) 2/12/2020 46-48	V-7-20 V-7-20(48-50) 2/12/2020 48-50	V-7-20 V-7-20(50-52) 2/12/2020 50-52	V-9-20 V-9-20(32-34) 2/11/2020 32-34	V-9-20 V-9-20(34-36) 2/11/2020 34-36	V-9-20 V-9-20(36-38) 2/11/2020 36-38	V-9-20 V-9-20(40-42) 2/11/2020 40-42
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,1,2,2-Tetrachloroethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,1,2-Trichloroethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	**0.00027 J**	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,1-Dichloroethane		< 0.00047	< 0.00067	< 0.11	**0.13 J**	**0.0012**	**0.0012**	**0.0024**	**0.0012**	< 0.00082	< 0.00090	< 0.0010	**0.14**
1,1-Dichloroethene		< 0.00047	< 0.00067	< 0.11	**0.11 J**	**0.00029 J**	**0.00022 J**	**0.0011**	**0.00027 J**	< 0.00082	< 0.00090	< 0.0010	**0.052 J**
1,2,4-Trichlorobenzene		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,2-Dibromo-3-chloropropane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,2-Dibromoethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,2-Dichlorobenzene		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,2-Dichloroethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	**0.00037 J**	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,2-Dichloropropane		< 0.00047	< 0.00067	< 0.11	**0.049 J**	< 0.0011	< 0.00054	**0.00057 J**	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,3-Dichlorobenzene		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
1,4-Dichlorobenzene		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
2-Butanone (MEK)		< 0.0024	< 0.0034	< 0.53	< 1.1	**0.0059**	< 0.0027	< 0.0048	< 0.0028	< 0.0041	< 0.0045	< 0.0051	< 0.45
4-Methyl-2-Pentanone		< 0.0024	< 0.0034	< 0.53	< 1.1	< 0.0053	< 0.0027	**0.0045 J**	< 0.0028	< 0.0041	< 0.0045	< 0.0051	< 0.45
Acetone		**0.011**	**0.015**	< 0.53	< 1.1	**0.014**	**0.0052**	**0.038**	**0.015**	**0.092**	**0.096**	**0.064**	< 0.45
Benzene		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Bromodichloromethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Bromoform		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Bromomethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Carbon Disulfide		< 0.00047	**0.00047 J**	< 0.11	< 0.23	**0.00043 J**	< 0.00054	**0.00037 J**	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Carbon Tetrachloride		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
CFC-11		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
CFC-12		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Chlorobenzene		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Chlorodibromomethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Chloroethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Chloroform		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Chloromethane		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
cis-1,2-Dichloroethene		< 0.00047	< 0.00067	**0.87**	**18**	**0.035**	**0.062**	**0.22**	**0.058**	< 0.00082	< 0.00090	< 0.0010	**23**
cis-1,3-Dichloropropene		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Cyclohexane		< 0.00047	< 0.00067	< 0.11	**0.095 J**	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Dichloromethane		< 0.00047	< 0.00067	< 0.11	**0.1 J**	**0.017**	**0.00070**	**0.0042**	**0.00030 J**	**0.00045 J**	**0.00056 J**	**0.00055 J**	**0.032 J**
Ethylbenzene		< 0.00047	< 0.00067	**0.095 J**	**0.49**	**0.00021 J**	**0.00015 J**	**0.0012**	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Isopropylbenzene		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
m&p-Xylenes		< 0.00047	< 0.00067	**0.36**	**1.3**	**0.00045 J**	**0.00037 J**	**0.0028**	**0.00014 J**	< 0.00082	< 0.00090	< 0.0010	< 0.089
Methyl Acetate		< 0.0024	< 0.0034	< 0.53	< 1.1	< 0.0053	< 0.0027	< 0.0048	< 0.0028	< 0.0041	< 0.0045	< 0.0051	< 0.45
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0024	< 0.0034	< 0.53	< 1.1	< 0.0053	< 0.0027	< 0.0048	< 0.0028	< 0.0041	< 0.0045	< 0.0051	< 0.45
Methylcyclohexane		< 0.00047	< 0.00067	**0.6**	**0.5**	< 0.0011	< 0.00054	**0.00093 J**	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Methyl-tert-butylether		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
o-Xylene		< 0.00047	< 0.00067	**0.15**	**0.81**	**0.00021 J**	**0.00025 J**	**0.0020**	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Styrene (Monomer)		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Tetrachloroethene		< 0.00047	< 0.00067	< 0.11	**0.13 J**	< 0.0011	< 0.00054	**0.00018 J**	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Toluene		**0.00026 J**	**0.00073**	**1.4**	**35**	**0.022**	**0.02**	**0.19**	**0.0025**	**0.00038 J**	**0.00027 J**	**0.00042 J**	**4.4**
trans-1,2-Dichloroethene		< 0.00047	< 0.00067	< 0.11	**0.15 J**	< 0.0011	**0.00021 J**	**0.0011**	< 0.00056	< 0.00082	< 0.00090	< 0.0010	**0.11**
trans-1,3-Dichloropropene		< 0.00047	< 0.00067	< 0.11	< 0.23	< 0.0011	< 0.00054	< 0.00097	< 0.00056	< 0.00082	< 0.00090	< 0.0010	< 0.089
Trichloroethene		< 0.00047	< 0.00067	**1.9**	**63**	**0.054**	**0.069**	**0.34**	**0.032**	< 0.00082	< 0.00090	< 0.0010	**7.3**
Vinyl chloride		< 0.00047	< 0.00067	**0.1 J**	**0.84**	**0.08**	**0.0019**	**0.02**	**0.00043 J**	< 0.00082	< 0.00090	< 0.0010	**0.52**
Total VOCs [4]		**0.011**	**0.016**	**5.5**	**120**	**0.23**	**0.16**	**0.83**	**0.11**	**0.093**	**0.097**	**0.065**	**36**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	V-9-20 / V-9-20(42-44) / 2/11/2020 / 42-44	V-9-20 / V-9-20(44-46) / 2/11/2020 / 44-46	V-9-20 / V-9-20(46-48) / 2/11/2020 / 46-48	V-9-20 / V-9-20(48-50) / 2/11/2020 / 48-50	V-9-20 / V-9-20(50-52) / 2/11/2020 / 50-52	W-2-20 / W-2-20(32-34) / 3/5/2020 / 32-34	W-2-20 / W-2-20(36-38) / 3/5/2020 / 36-38	W-2-20 / W-2-20(38-40) / 3/5/2020 / 38-40	W-2-20 / W-2-20(40-42) / 3/5/2020 / 40-42	W-2-20 / REP030520ALH / 3/5/2020 / 42-44	W-2-20 / W-2-20(42-44) / 3/5/2020 / 42-44	W-2-20 / W-2-20(44-46) / 3/5/2020 / 44-46
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,1,2,2-Tetrachloroethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,1,2-Trichloroethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,1-Dichloroethane		**0.28**	**0.00059 J**	**0.00023 J**	**0.00030 J**	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,1-Dichloroethene		**0.045 J**	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,2,4-Trichlorobenzene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,2-Dibromo-3-chloropropane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,2-Dibromoethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,2-Dichlorobenzene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,2-Dichloroethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,2-Dichloropropane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,3-Dichlorobenzene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
1,4-Dichlorobenzene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
2-Butanone (MEK)		< 0.61	< 0.0044	< 0.0022	< 0.0019	< 0.0029	< 0.0046	< 0.0042	< 0.0032	**0.0041 J**	< 0.22	< 0.23	< 0.32
4-Methyl-2-Pentanone		**0.35 J**	< 0.0044	< 0.0022	< 0.0019	< 0.0029	< 0.0046	< 0.0042	< 0.0032	< 0.0049	< 0.22	< 0.23	< 0.32
Acetone		< 0.61	**0.063**	**0.034**	**0.0037**	**0.036**	**0.014**	**0.012**	**0.0062**	**0.02**	< 0.22	< 0.23	< 0.32
Benzene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Bromodichloromethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Bromoform		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Bromomethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Carbon Disulfide		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	**0.00059 J**	< 0.044	< 0.045	< 0.064
Carbon Tetrachloride		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
CFC-11		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
CFC-12		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Chlorobenzene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Chlorodibromomethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Chloroethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Chloroform		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Chloromethane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
cis-1,2-Dichloroethene		**28**	**0.02**	**0.01**	**0.012**	**0.0030**	< 0.00091	< 0.00085	**0.00070**	**0.0019**	**0.3**	**0.33**	**0.43**
cis-1,3-Dichloropropene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Cyclohexane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Dichloromethane		**0.082 J**	**0.0010**	**0.00024 J**	**0.00030 J**	**0.00032 J**	**0.00081 J**	< 0.00085	< 0.00064	**0.00056 J**	< 0.044	< 0.045	< 0.064
Ethylbenzene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Isopropylbenzene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
m&p-Xylenes		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	**0.031 J**	< 0.064
Methyl Acetate		< 0.61	< 0.0044	< 0.0022	< 0.0019	< 0.0029	< 0.0046	< 0.0042	< 0.0032	< 0.0049	< 0.22	< 0.23	< 0.32
Methyl N-Butyl Ketone (2-Hexanone)		< 0.61	< 0.0044	< 0.0022	< 0.0019	< 0.0029	< 0.0046	< 0.0042	< 0.0032	< 0.0049	< 0.22	< 0.23	< 0.32
Methylcyclohexane		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	**0.0013**	< 0.044	< 0.045	< 0.064
Methyl-tert-butylether		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
o-Xylene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Styrene (Monomer)		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Tetrachloroethene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Toluene		**0.091 J**	< 0.00088	**0.00058**	**0.00018 J**	< 0.00057	**0.00049 J**	**0.00054 J**	**0.00040 J**	**0.00066 J**	**0.098**	**0.11**	**0.11**
trans-1,2-Dichloroethene		**0.05 J**	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
trans-1,3-Dichloropropene		< 0.12	< 0.00088	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	< 0.00098	< 0.044	< 0.045	< 0.064
Trichloroethene		**0.12**	**0.0078**	**0.0043**	**0.0053**	**0.0020**	< 0.00091	< 0.00085	**0.00078**	**0.0016**	**0.37**	**0.46**	**0.55**
Vinyl chloride		**1.2**	**0.00082 J**	< 0.00044	< 0.00038	< 0.00057	< 0.00091	< 0.00085	< 0.00064	**0.00089 J**	**0.042 J**	**0.036 J**	**0.047 J**
Total VOCs [4]		**30**	**0.093**	**0.049**	**0.022**	**0.041**	**0.015**	**0.013**	**0.0081**	**0.032**	**0.81**	**0.97**	**1.1**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	W-2-20 / W-2-20(46-48) / 3/5/2020 / 46-48	W-2-20 / W-2-20(48-50) / 3/5/2020 / 48-50	W-2-20 / W-2-20(50-52) / 3/5/2020 / 50-52	X-5-20 / X-5-20(32-34) / 3/3/2020 / 32-34	X-5-20 / X-5-20(34-36) / 3/3/2020 / 34-36	X-5-20 / X-5-20(36-38) / 3/3/2020 / 36-38	X-5-20 / X-5-20(40-42) / 3/3/2020 / 40-42	X-5-20 / X-5-20(42-44) / 3/3/2020 / 42-44	X-5-20 / X-5-20(44-46) / 3/3/2020 / 44-46	X-5-20 / X-5-20(46-48) / 3/3/2020 / 46-48	X-5-20 / X-5-20(48-50) / 3/3/2020 / 48-50	X-5-20 / REP030320ALH / 3/3/2020 / 50-52
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**0.012 J**	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
1,1,2,2-Tetrachloroethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
1,1,2-Trichloroethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**0.0040 J**	< 0.034	< 0.00046	< 0.036	**0.00015 J**	**0.00024 J**
1,1-Dichloroethane		< 0.00085	**0.00025 J**	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**0.055**	**0.039**	**0.0012**	**0.013 J**	**0.0012**	**0.0020**
1,1-Dichloroethene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**0.025 J**	**0.015 J**	**0.00053**	< 0.036	**0.00041 J**	**0.00054**
1,2,4-Trichlorobenzene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
1,2-Dibromo-3-chloropropane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
1,2-Dibromoethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
1,2-Dichlorobenzene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
1,2-Dichloroethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**0.013 J**	< 0.034	< 0.00046	< 0.036	< 0.00050	**0.00014 J**
1,2-Dichloropropane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
1,3-Dichlorobenzene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
1,4-Dichlorobenzene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
2-Butanone (MEK)		< 0.0043	< 0.0045	**0.0029 J**	**0.0012 J**	< 0.0021	< 0.0038	< 0.16	< 0.17	< 0.0023	< 0.18	< 0.0025	< 0.0021
4-Methyl-2-Pentanone		< 0.0043	< 0.0045	< 0.0043	< 0.0022	< 0.0021	< 0.0038	< 0.16	< 0.17	< 0.0023	< 0.18	< 0.0025	< 0.0021
Acetone		**0.012**	**0.011**	**0.012**	**0.01**	**0.0029**	**0.0098**	< 0.16	< 0.17	**0.0051**	< 0.18	**0.0073**	**0.0026**
Benzene		< 0.00085	< 0.00090	**0.00024 J**	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Bromodichloromethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Bromoform		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Bromomethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Carbon Disulfide		**0.00039 J**	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Carbon Tetrachloride		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
CFC-11		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
CFC-12		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Chlorobenzene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Chlorodibromomethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Chloroethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Chloroform		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Chloromethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
cis-1,2-Dichloroethene		**0.0022**	**0.0067**	**0.00015 J**	< 0.00043	< 0.00041	< 0.00076	**3**	**1.3**	**0.052**	**1.2**	**0.058**	**0.098**
cis-1,3-Dichloropropene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Cyclohexane		< 0.00085	**0.00020 J**	< 0.00086	< 0.00043	< 0.00041	**0.00018 J**	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Dichloromethane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**0.013 J**	**0.014 J**	**0.00033 J**	< 0.036	< 0.00050	< 0.00042
Ethylbenzene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	**0.00012 J**	**0.037**	< 0.00050	< 0.00042
Isopropylbenzene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
m&p-Xylenes		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	**0.00044 J**	**0.3**	< 0.00050	< 0.00042
Methyl Acetate		< 0.0043	< 0.0045	< 0.0043	< 0.0022	< 0.0021	< 0.0038	< 0.16	< 0.17	< 0.0023	< 0.18	< 0.0025	< 0.0021
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0043	< 0.0045	< 0.0043	< 0.0022	< 0.0021	< 0.0038	< 0.16	< 0.17	< 0.0023	< 0.18	< 0.0025	< 0.0021
Methylcyclohexane		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**0.0089 J**	< 0.034	**0.00059**	**0.17**	< 0.00050	< 0.00042
Methyl-tert-butylether		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
o-Xylene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	**0.00035 J**	**0.13**	< 0.00050	< 0.00042
Styrene (Monomer)		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Tetrachloroethene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	**0.000097 J**	**0.026 J**	< 0.00050	**0.000065 J**
Toluene		**0.0067**	**0.0023**	**0.00049 J**	**0.00016 J**	**0.00013 J**	**0.00057 J**	**0.25**	**0.037**	**0.00077**	**0.89**	**0.00065**	**0.00020 J**
trans-1,2-Dichloroethene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**0.027 J**	**0.011 J**	**0.00035 J**	**0.015 J**	**0.00029 J**	**0.00048**
trans-1,3-Dichloropropene		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	< 0.033	< 0.034	< 0.00046	< 0.036	< 0.00050	< 0.00042
Trichloroethene		**0.0011**	**0.0078**	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**5.4**	**0.67**	**0.03**	**2.6**	**0.045**	**0.067**
Vinyl chloride		< 0.00085	< 0.00090	< 0.00086	< 0.00043	< 0.00041	< 0.00076	**0.014 J**	**0.012 J**	**0.0042**	**0.029 J**	< 0.00050	< 0.00042
Total VOCs [4]		**0.022**	**0.028**	**0.016**	**0.011**	**0.003**	**0.011**	**8.8**	**2.1**	**0.096**	**5.4**	**0.11**	**0.17**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	X-5-20 / X-5-20(50-52) / 3/3/2020 / 50-52	X-7-20 / X-7-20(32-34) / 3/2/2020 / 32-34	X-7-20 / X-7-20(34-36) / 3/2/2020 / 34-36	X-7-20 / X-7-20(36-38) / 3/2/2020 / 36-38	X-7-20 / X-7-20(38-40) / 3/2/2020 / 38-40	X-7-20 / X-7-20(40-42) / 3/2/2020 / 40-42	X-7-20 / X-7-20(42-44) / 3/2/2020 / 42-44	X-7-20 / X-7-20(44-46) / 3/2/2020 / 44-46	X-7-20 / X-7-20(46-48) / 3/2/2020 / 46-48	X-7-20 / X-7-20(48-50) / 3/2/2020 / 48-50	X-7-20 / X-7-20(50-52) / 3/2/2020 / 50-52	X-9-20 / REP022820ALH / 2/28/2020 / 32-34
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,1,2,2-Tetrachloroethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,1,2-Trichloroethane		**0.00017 J**	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	**0.00013 J**	< 0.00094
1,1-Dichloroethane		**0.0020**	< 0.00062	< 0.00061	< 0.00073	< 0.00063	**0.085**	**0.043 J**	< 0.00082	**0.00064**	**0.00020 J**	**0.0020**	< 0.00094
1,1-Dichloroethene		**0.00056**	< 0.00062	< 0.00061	< 0.00073	< 0.00063	**0.022 J**	**0.0013 J**	< 0.00082	< 0.00057	< 0.00051	**0.00038 J**	< 0.00094
1,2,4-Trichlorobenzene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,2-Dibromo-3-chloropropane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,2-Dibromoethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,2-Dichlorobenzene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,2-Dichloroethane		**0.00014 J**	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	**0.0021 J**	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,2-Dichloropropane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,3-Dichlorobenzene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
1,4-Dichlorobenzene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
2-Butanone (MEK)		< 0.0021	< 0.0031	**0.0017 J**	< 0.0037	< 0.0031	< 0.17	< 0.0055	< 0.0041	< 0.0028	< 0.0026	< 0.0023	< 0.0047
4-Methyl-2-Pentanone		< 0.0021	< 0.0031	< 0.0030	< 0.0037	< 0.0031	< 0.17	**0.0036 J**	< 0.0041	< 0.0028	< 0.0026	< 0.0023	< 0.0047
Acetone		< 0.0026	**0.0064**	**0.014**	**0.02**	**0.0050**	< 0.17	**0.013 J**	**0.017**	**0.0080**	**0.011**	**0.0074**	**0.027**
Benzene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Bromodichloromethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Bromoform		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Bromomethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033 J	< 0.0011	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Carbon Disulfide		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	**0.00037 J**	**0.00038 J**	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Carbon Tetrachloride		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
CFC-11		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
CFC-12		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Chlorobenzene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Chlorodibromomethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Chloroethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Chloroform		< 0.00043	< 0.00062 B	< 0.00061 B	< 0.00073 B	< 0.00063 B	< 0.033	< 0.0011 B	< 0.00082 B	< 0.00057 B	< 0.00051 B	< 0.00045	< 0.00094
Chloromethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
cis-1,2-Dichloroethene		**0.097**	< 0.00062	< 0.00061	< 0.00073	< 0.00063	**5.7**	**0.26**	**0.00021 J**	**0.0076**	**0.0036**	**0.1**	< 0.00094
cis-1,3-Dichloropropene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Cyclohexane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	**0.00012 J**	< 0.00045	< 0.00094
Dichloromethane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033 B	**0.023 J**	< 0.00082	< 0.0017 B	< 0.00051 B	< 0.00045	**0.0027**
Ethylbenzene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	**0.012 J**	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Isopropylbenzene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
m&p-Xylenes		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033 B	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Methyl Acetate		< 0.0021	< 0.0031	< 0.0030	< 0.0037	< 0.0031	< 0.17	< 0.0055	< 0.0041	< 0.0028	< 0.0026	< 0.0023	< 0.0047
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0021	< 0.0031	< 0.0030	< 0.0037	< 0.0031	< 0.17	< 0.0055 J	< 0.0041	< 0.0028	< 0.0026	< 0.0023	< 0.0047
Methylcyclohexane		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	**0.019 J**	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Methyl-tert-butylether		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
o-Xylene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033 B	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Styrene (Monomer)		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Tetrachloroethene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	**0.012 J**	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	**0.00012 J**	< 0.00094
Toluene		< 0.00043	**0.00034 J**	**0.00039 J**	**0.00064 J**	**0.00042 J**	**1.3**	< 0.0011 J	< 0.00082	**0.0016**	**0.00036 J**	**0.00023 J**	**0.00056 J**
trans-1,2-Dichloroethene		**0.00041 J**	< 0.00062	< 0.00061	< 0.00073	< 0.00063	**0.055**	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	**0.00030 J**	< 0.00094
trans-1,3-Dichloropropene		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	< 0.033	< 0.0011 J	< 0.00082	< 0.00057	< 0.00051	< 0.00045	< 0.00094
Trichloroethene		**0.068**	< 0.00062	< 0.00061	< 0.00073	< 0.00063	**9**	< 0.0011 J	**0.00019 J**	**0.0076**	**0.0029**	**0.062**	< 0.00094
Vinyl chloride		< 0.00043	< 0.00062	< 0.00061	< 0.00073	< 0.00063	**0.071**	**0.13**	< 0.00082	**0.0041**	< 0.00051	< 0.00045	< 0.00094
Total VOCs [4]		**0.17**	**0.0067**	**0.016**	**0.021**	**0.0054**	**16**	**0.48**	**0.018**	**0.03**	**0.018**	**0.17**	**0.03**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	X-9-20 / X-9-20(32-34) / 2/28/2020 / 32-34	X-9-20 / X-9-20(34-36) / 2/28/2020 / 34-36	X-9-20 / X-9-20(36-38) / 2/28/2020 / 36-38	X-9-20 / X-9-20(40-42) / 2/28/2020 / 40-42	X-9-20 / X-9-20(42-44) / 2/28/2020 / 42-44	X-9-20 / X-9-20(44-46) / 2/28/2020 / 44-46	X-9-20 / X-9-20(46-48) / 2/28/2020 / 46-48	X-9-20 / X-9-20(48-50) / 2/28/2020 / 48-50	X-9-20 / X-9-20(50-52) / 2/28/2020 / 50-52	Y-2-20 / Y-2-20(32-34) / 3/19/2020 / 32-34	Y-2-20 / Y-2-20(36-38) / 3/19/2020 / 36-38	Y-2-20 / Y-2-20(38-40) / 3/19/2020 / 38-40
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,1,2,2-Tetrachloroethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,1,2-Trichloroethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,1-Dichloroethane		< 0.00089	< 0.00083	< 0.00085	**0.13 J**	**0.31**	< 0.0010	**0.00056 J**	**0.0014**	**0.00082 J**	< 0.00068	< 0.00084	< 0.00046
1,1-Dichloroethene		< 0.00089	< 0.00083	< 0.00085	**0.045 J**	**0.048 J**	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,2,4-Trichlorobenzene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,2-Dibromo-3-chloropropane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,2-Dibromoethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,2-Dichlorobenzene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,2-Dichloroethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,2-Dichloropropane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,3-Dichlorobenzene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
1,4-Dichlorobenzene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
2-Butanone (MEK)		< 0.0045	< 0.0041	< 0.0042	< 0.77	< 0.61	**0.01**	< 0.0043	< 0.0042	< 0.0043	**0.0024 J**	< 0.0042	< 0.0023
4-Methyl-2-Pentanone		< 0.0045	< 0.0041	< 0.0042	< 0.77	< 0.61	< 0.0050	< 0.0043	< 0.0042	< 0.0043	< 0.0034	< 0.0042	< 0.0023
Acetone		< 0.0054	**0.023 B**	**0.015 B**	< 0.77	< 0.61	**0.11 B**	**0.014**	**0.021**	**0.0051 J**	**0.027**	**0.013**	**0.012**
Benzene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Bromodichloromethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Bromoform		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Bromomethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Carbon Disulfide		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	**0.00035 J**	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Carbon Tetrachloride		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
CFC-11		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
CFC-12		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Chlorobenzene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Chlorodibromomethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Chloroethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Chloroform		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Chloromethane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
cis-1,2-Dichloroethene		< 0.00089	< 0.00083	< 0.00085	**17**	**25**	< 0.0010	**0.028**	**0.039**	**0.034**	< 0.00068	< 0.00084	**0.000070 J**
cis-1,3-Dichloropropene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Cyclohexane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Dichloromethane		**0.00064 J**	**0.00046 J**	**0.00091**	< 0.15	**0.066 J**	**0.0044**	**0.00067 J**	< 0.00085	< 0.00086	**0.00038 J**	**0.00041 J**	**0.00089**
Ethylbenzene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Isopropylbenzene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
m&p-Xylenes		< 0.00089	< 0.00083	**0.00015 J**	**0.048 J**	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Methyl Acetate		< 0.0045	< 0.0041	< 0.0042	< 0.77	< 0.61	< 0.0050	< 0.0043	< 0.0042	< 0.0043	< 0.0034	< 0.0042	< 0.0023
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0045	< 0.0041	< 0.0042	< 0.77	< 0.61	< 0.0050	< 0.0043	< 0.0042	< 0.0043	< 0.0034	< 0.0042	< 0.0023
Methylcyclohexane		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Methyl-tert-butylether		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
o-Xylene		< 0.00089	< 0.00083	< 0.00085	**0.062 J**	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Styrene (Monomer)		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Tetrachloroethene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Toluene		< 0.00089	**0.00041 J**	**0.00045 J**	**7.5**	**0.064 J**	< 0.0010	**0.0015**	**0.0014**	< 0.00086	**0.00028 J**	**0.00040 J**	**0.00016 J**
trans-1,2-Dichloroethene		< 0.00089	< 0.00083	< 0.00085	**0.12 J**	**0.05 J**	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
trans-1,3-Dichloropropene		< 0.00089	< 0.00083	< 0.00085	< 0.15	< 0.12	< 0.0010	< 0.00087	< 0.00085	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Trichloroethene		< 0.00089	< 0.00083	< 0.00085	**26**	**0.21**	< 0.0010	**0.0055**	**0.018**	**0.016**	< 0.00068	< 0.00084	< 0.00046
Vinyl chloride		< 0.00089	< 0.00083	< 0.00085	**0.095 J**	**0.46**	**0.0024**	**0.00055 J**	**0.00061 J**	< 0.00086	< 0.00068	< 0.00084	< 0.00046
Total VOCs [4]		**0.00064**	**0.024**	**0.017**	**51**	**26**	**0.13**	**0.051**	**0.081**	**0.056**	**0.03**	**0.014**	**0.013**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	Y-2-20 / Y-2-20(40-42) / 3/19/2020 / 40-42	Y-2-20 / Y-2-20(42-44) / 3/19/2020 / 42-44	Y-2-20 / Y-2-20(44-46) / 3/19/2020 / 44-46	Y-2-20 / Y-2-20(46-48) / 3/19/2020 / 46-48	Y-2-20 / Y-2-20(48-50) / 3/19/2020 / 48-50	Y-2-20 / Y-2-20(50-52) / 3/19/2020 / 50-52	Z-5-20 / Z-5-20(32-34) / 3/17/2020 / 32-34	Z-5-20 / Z-5-20(34-36) / 3/17/2020 / 34-36	Z-5-20 / Z-5-20(36-38) / 3/17/2020 / 36-38	Z-5-20 / Z-5-20(40-42) / 3/17/2020 / 40-42	Z-5-20 / Z-5-20(42-44) / 3/17/2020 / 42-44	Z-5-20 / Z-5-20(44-46) / 3/17/2020 / 44-46
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	**0.07 J**	< 0.075	< 0.057
1,1,2,2-Tetrachloroethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
1,1,2-Trichloroethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
1,1-Dichloroethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	**0.056 J**	**0.086**	**0.49**
1,1-Dichloroethene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	**0.028 J**	**0.072**
1,2,4-Trichlorobenzene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
1,2-Dibromo-3-chloropropane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
1,2-Dibromoethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
1,2-Dichlorobenzene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
1,2-Dichloroethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	**0.1**
1,2-Dichloropropane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
1,3-Dichlorobenzene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
1,4-Dichlorobenzene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
2-Butanone (MEK)		< 0.0026	< 0.0017	< 0.0029	< 0.0023	< 0.0024	< 0.0023	**0.0027 J**	< 0.0034	< 0.0024	< 0.92	< 0.38	< 0.29
4-Methyl-2-Pentanone		< 0.0026	< 0.0017	< 0.0029	< 0.0023	< 0.0024	< 0.0023	< 0.0038	< 0.0034	< 0.0024	< 0.92	< 0.38	< 0.29
Acetone		**0.013**	**0.0050**	**0.012**	**0.015**	**0.0058**	**0.0034**	**0.0055**	**0.012**	**0.0092**	< 0.92	< 0.38	< 0.29
Benzene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Bromodichloromethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Bromoform		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Bromomethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075 J	< 0.057
Carbon Disulfide		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Carbon Tetrachloride		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
CFC-11		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
CFC-12		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Chlorobenzene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Chlorodibromomethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Chloroethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18 J	< 0.075 J	< 0.057 J
Chloroform		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Chloromethane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18 J	< 0.075 J	< 0.057 J
cis-1,2-Dichloroethene		**0.00015 J**	< 0.00035	< 0.00057	< 0.00046	**0.0012**	< 0.00045	< 0.00075	< 0.00068	< 0.00047	**4.2**	**5.3**	**8.8**
cis-1,3-Dichloropropene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Cyclohexane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Dichloromethane		< 0.00052	< 0.00035	< 0.00057	**0.00026 J**	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	**0.086**
Ethylbenzene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Isopropylbenzene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
m&p-Xylenes		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Methyl Acetate		< 0.0026	< 0.0017	< 0.0029	< 0.0023	< 0.0024	< 0.0023	< 0.0038	< 0.0034	< 0.0024	< 0.92	< 0.38	< 0.29
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0026	< 0.0017	< 0.0029	< 0.0023	< 0.0024	< 0.0023	< 0.0038	< 0.0034	< 0.0024	< 0.92	< 0.38	< 0.29
Methylcyclohexane		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Methyl-tert-butylether		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
o-Xylene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Styrene (Monomer)		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Tetrachloroethene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	**0.095 J**	< 0.075	< 0.057
Toluene		**0.00021 J**	**0.00012 J**	**0.00022 J**	**0.00015 J**	< 0.00048	< 0.00045	< 0.00075	**0.00033 J**	**0.00020 J**	< 0.18	< 0.075	< 0.057
trans-1,2-Dichloroethene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	**0.1 J**	**0.04 J**	< 0.057
trans-1,3-Dichloropropene		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	< 0.057
Trichloroethene		**0.00017 J**	**0.00019 J**	**0.00030 J**	**0.00017 J**	**0.0016**	< 0.00045	< 0.00075	< 0.00068	< 0.00047	**48**	**14**	**0.23**
Vinyl chloride		< 0.00052	< 0.00035	< 0.00057	< 0.00046	< 0.00048	< 0.00045	< 0.00075	< 0.00068	< 0.00047	< 0.18	< 0.075	**0.022 J**
Total VOCs [4]		**0.014**	**0.0053**	**0.013**	**0.016**	**0.0086**	**0.0034**	**0.0082**	**0.012**	**0.0094**	**53**	**19**	**9.8**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	Z-5-20 / Z-5-20(46-48) / 3/17/2020 / 46-48	Z-5-20 / Z-5-20(48-50) / 3/17/2020 / 48-50	Z-5-20 / Z-5-20(50-52) / 3/17/2020 / 50-52	Z-7-20 / Z-7-20(32-34) / 3/16/2020 / 32-34	Z-7-20 / Z-7-20(34-36) / 3/16/2020 / 34-36	Z-7-20 / Z-7-20(36-38) / 3/16/2020 / 36-38	Z-7-20 / Z-7-20(38-40) / 3/16/2020 / 38-40	Z-7-20 / Z-7-20(40-42) / 3/16/2020 / 40-42	Z-7-20 / REP031620ALH / 3/16/2020 / 42-44	Z-7-20 / Z-7-20(42-44) / 3/16/2020 / 42-44	Z-7-20 / Z-7-20(44-46) / 3/16/2020 / 44-46	Z-7-20 / Z-7-20(46-48) / 3/16/2020 / 46-48
VOCs (mg/kg) [1, 2, 3]													
1,1,1-Trichloroethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	**0.3 J**	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,1,2,2-Tetrachloroethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,1,2-Trichloroethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,1-Dichloroethane		**0.0016**	**0.0042**	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	**0.51**	< 0.0010	**0.00022 J**	< 0.0010	< 0.0010
1,1-Dichloroethene		**0.00011 J**	**0.00034 J**	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	**0.25 J**	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,2,4-Trichlorobenzene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,2-Dibromo-3-chloropropane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,2-Dibromoethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,2-Dichlorobenzene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,2-Dichloroethane		< 0.00046	**0.00060**	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	**0.25 J**	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,2-Dichloropropane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,3-Dichlorobenzene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
1,4-Dichlorobenzene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
2-Butanone (MEK)		< 0.0023	< 0.0029	< 0.0029	< 0.0047	< 0.0044	< 0.0042	< 0.0042	< 2.1	< 0.0050	< 0.0054	< 0.0050	< 0.0051
4-Methyl-2-Pentanone		< 0.0023	< 0.0029	< 0.0029	< 0.0047	< 0.0044	< 0.0042	< 0.0042	< 2.1	< 0.0050	< 0.0054	< 0.0050	< 0.0051
Acetone		**0.0066**	**0.0058**	**0.011**	< 0.0057	**0.03**	< 0.0051	**0.013**	< 2.1	**0.018**	**0.022**	**0.025**	**0.018**
Benzene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Bromodichloromethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Bromoform		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Bromomethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Carbon Disulfide		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Carbon Tetrachloride		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
CFC-11		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
CFC-12		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Chlorobenzene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Chlorodibromomethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Chloroethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Chloroform		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Chloromethane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
cis-1,2-Dichloroethene		**0.0039**	**0.027**	**0.00061**	< 0.00094	< 0.00088	< 0.00085	**0.0026**	**18**	**0.00024 J**	< 0.0011	< 0.0010	**0.00073 J**
cis-1,3-Dichloropropene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Cyclohexane		< 0.00046	< 0.00058	**0.00018 J**	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	**0.00025 J**
Dichloromethane		**0.011**	**0.0054**	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	**0.0023**	**0.0033**	< 0.0010	< 0.0010
Ethylbenzene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Isopropylbenzene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
m&p-Xylenes		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Methyl Acetate		< 0.0023	< 0.0029	< 0.0029	< 0.0047	< 0.0044	< 0.0042	< 0.0042	< 2.1	< 0.0050	< 0.0054	< 0.0050	< 0.0051
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0023	< 0.0029	< 0.0029	< 0.0047	< 0.0044	< 0.0042	< 0.0042	< 2.1	< 0.0050	< 0.0054	< 0.0050	< 0.0051
Methylcyclohexane		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Methyl-tert-butylether		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
o-Xylene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Styrene (Monomer)		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Tetrachloroethene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Toluene		**0.00014 J**	**0.00020 J**	**0.00034 J**	**0.00024 J**	**0.00043 J**	< 0.00085	**0.00036 J**	**0.18 J**	< 0.0010	< 0.0011	< 0.0010	< 0.0010
trans-1,2-Dichloroethene		< 0.00046	**0.00017 J**	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	**0.54**	< 0.0010	< 0.0011	< 0.0010	< 0.0010
trans-1,3-Dichloropropene		< 0.00046	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Trichloroethene		**0.0028**	**0.02**	**0.00069**	< 0.00094	< 0.00088	< 0.00085	**0.0063**	**96**	**0.00019 J**	< 0.0011	< 0.0010	**0.0011**
Vinyl chloride		**0.0013**	< 0.00058	< 0.00058	< 0.00094	< 0.00088	< 0.00085	< 0.00084	< 0.42	< 0.0010	< 0.0011	< 0.0010	< 0.0010
Total VOCs [4]		**0.027**	**0.064**	**0.013**	**0.00024**	**0.03**	0.0	**0.022**	**120**	**0.021**	**0.026**	**0.025**	**0.02**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	Z-7-20 / Z-7-20(48-50) / 3/16/2020 / 48-50	Z-7-20 / Z-7-20(50-52) / 3/16/2020 / 50-52	Z-9-20 / Z-9-20(32-34) / 3/13/2020 / 32-34	Z-9-20 / Z-9-20(34-36) / 3/13/2020 / 34-36	Z-9-20 / Z-9-20(36-38) / 3/13/2020 / 36-38	Z-9-20 / Z-9-20(40-42) / 3/13/2020 / 40-42	Z-9-20 / Z-9-20(44-46) / 3/13/2020 / 44-46	Z-9-20 / Z-9-20(46-48) / 3/13/2020 / 46-48	Z-9-20 / Z-9-20(48-50) / 3/13/2020 / 48-50	Z-9-20 / Z-9-20(50-52) / 3/13/2020 / 50-52
VOCs (mg/kg) [1, 2, 3]											
1,1,1-Trichloroethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	**0.00037 J**	< 0.00094	< 0.00094
1,1,2,2-Tetrachloroethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22 J	< 0.00096	< 0.00094	< 0.00094
1,1,2-trichloro-1,2,2-trifluoroethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
1,1,2-Trichloroethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	**0.00038 J**	< 0.00094	< 0.00094
1,1-Dichloroethane		< 0.00097	**0.0013**	< 0.00089	< 0.00079	< 0.00086	< 0.00086	**0.17 J**	**0.025**	**0.0027**	**0.00032 J**
1,1-Dichloroethene		< 0.00097	**0.00023 J**	< 0.00089	< 0.00079	< 0.00086	< 0.00086	**0.17 J**	**0.0074**	< 0.00094	< 0.00094
1,2,4-Trichlorobenzene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
1,2-Dibromo-3-chloropropane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22 J	< 0.00096	< 0.00094	< 0.00094
1,2-Dibromoethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22 J	< 0.00096	< 0.00094	< 0.00094
1,2-Dichlorobenzene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
1,2-Dichloroethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	**0.11 J**	**0.011**	**0.00079 J**	< 0.00094
1,2-Dichloropropane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
1,3-Dichlorobenzene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
1,4-Dichlorobenzene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
2-Butanone (MEK)		< 0.0048	< 0.0040	< 0.0044	< 0.0040	< 0.0043	< 0.0043	< 1.1 J	< 0.0048	< 0.0047	**0.0028 J**
4-Methyl-2-Pentanone		< 0.0048	< 0.0040	< 0.0044	< 0.0040	< 0.0043	< 0.0043	< 1.1 J	< 0.0048	< 0.0047	< 0.0047
Acetone		**0.0079**	**0.01**	< 0.0053	< 0.0048	**0.018**	< 0.0051	< 1.1 J	**0.013**	**0.015**	**0.031**
Benzene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Bromodichloromethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Bromoform		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Bromomethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22 J	< 0.00096	< 0.00094	< 0.00094
Carbon Disulfide		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Carbon Tetrachloride		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
CFC-11		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
CFC-12		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Chlorobenzene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Chlorodibromomethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22 J	< 0.00096	< 0.00094	< 0.00094
Chloroethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Chloroform		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Chloromethane		< 0.00097	< 0.00080	< 0.00089 J	< 0.00079 J	< 0.00086 J	< 0.00086 J	< 0.22	< 0.00096 J	< 0.00094 J	< 0.00094 J
cis-1,2-Dichloroethene		**0.00047 J**	**0.026**	< 0.00089	< 0.00079	< 0.00086	< 0.00086	**12**	**0.32**	**0.034**	**0.0041**
cis-1,3-Dichloropropene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22 J	< 0.00096	< 0.00094	< 0.00094
Cyclohexane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	**0.00023 J**	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Dichloromethane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	**0.0025**	< 0.00094	< 0.00094
Ethylbenzene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Isopropylbenzene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
m&p-Xylenes		< 0.00097	< 0.00080	< 0.00089	< 0.00079	**0.00017 J**	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Methyl Acetate		< 0.0048	< 0.0040	< 0.0044	< 0.0040	< 0.0043	< 0.0043	< 1.1	< 0.0048	< 0.0047	< 0.0047
Methyl N-Butyl Ketone (2-Hexanone)		< 0.0048	< 0.0040	< 0.0044	< 0.0040	< 0.0043	< 0.0043	< 1.1 J	< 0.0048	< 0.0047	< 0.0047
Methylcyclohexane		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Methyl-tert-butylether		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
o-Xylene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Styrene (Monomer)		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Tetrachloroethene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22	< 0.00096	< 0.00094	< 0.00094
Toluene		< 0.00097	**0.00032 J**	**0.00031 J**	**0.00034 J**	**0.00066 J**	< 0.00086	**0.55**	**0.00071 J**	**0.00045 J**	**0.00094**
trans-1,2-Dichloroethene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	**0.3**	**0.0013**	< 0.00094	< 0.00094
trans-1,3-Dichloropropene		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	< 0.22 J	< 0.00096	< 0.00094	< 0.00094
Trichloroethene		**0.00043 J**	**0.018**	< 0.00089	< 0.00079	< 0.00086	**0.00016 J**	**52**	**0.032**	**0.015**	**0.0019**
Vinyl chloride		< 0.00097	< 0.00080	< 0.00089	< 0.00079	< 0.00086	< 0.00086	**0.091 J**	**0.027**	< 0.00094	< 0.00094
Total VOCs [4]		**0.0088**	**0.056**	**0.00031**	**0.00034**	**0.019**	**0.00016**	**65**	**0.44**	**0.068**	**0.041**

Footnotes and Abbreviations on last page.

Table 2
Concentrations of Constituents in Soil Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

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.
	The site-specific 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
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

Table 3
Concentrations of Constituents in Groundwater Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Constituents	Boring ID: / Sample ID: / Sample Date: / Sample Depth (ft bls):	AB-8-20-GW [1] / AB-8-20-GW(53-58) / 4/1/2020 / 53-58	AB-8-20-GW [1] / REP040120-GW-ALH / 4/1/2020 / 53-58	nAA-11-20-GW / NAA-11-20-GW(53-63) / 4/17/2020 / 53-63
VOCs (ug/L) [2, 3]				
1,1,1-Trichloroethane		< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane		< 1.0	< 1.0	< 1.0
1,1,2-trichloro-1,2,2-trifluoroethane		< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane		< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		< 1.0	< 1.0	**0.27 J**
1,1-Dichloroethene		< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene		< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane		< 1.0	< 1.0	< 1.0
1,2-Dibromoethane		< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene		< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene		< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene		< 1.0	< 1.0	< 1.0
2-Butanone (MEK)		< 5.0	< 5.0	< 5.0
4-Methyl-2-Pentanone		< 5.0	< 5.0	< 5.0
Acetone		< 5.0	< 5.0	< 5.0
Benzene		< 1.0	< 1.0	< 1.0
Bromodichloromethane		**1.1**	**1.1**	< 1.0
Bromoform		**2.4**	**2.2**	< 1.0
Bromomethane		< 1.0	< 1.0	< 1.0
Carbon Disulfide		< 1.0	< 1.0	< 1.0
Carbon Tetrachloride		< 1.0	< 1.0	< 1.0
CFC-11		< 1.0	< 1.0	< 1.0
CFC-12		< 1.0	< 1.0	< 1.0
Chlorobenzene		< 1.0	< 1.0	< 1.0
Chlorodibromomethane		**2.4**	**2.5**	< 1.0
Chloroethane		< 1.0	< 1.0	< 1.0
Chloroform		**3.1**	**3.0**	< 1.0
Chloromethane		< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene		< 1.0	< 1.0	**2.2**
cis-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0
Cyclohexane		< 1.0	< 1.0	< 1.0
Dichloromethane		< 1.0	< 1.0	< 1.0
Ethylbenzene		< 1.0	< 1.0	< 1.0
Isopropylbenzene		< 1.0	< 1.0	< 1.0
m&p-Xylenes		< 1.0	< 1.0	< 1.0
Methyl Acetate		< 5.0	< 5.0	< 5.0
Methyl N-Butyl Ketone (2-Hexanone)		< 5.0	< 5.0	< 5.0
Methylcyclohexane		< 1.0	< 1.0	< 1.0
Methyl-tert-butylether		< 1.0	< 1.0	< 1.0
o-Xylene		< 1.0	< 1.0	< 1.0
Styrene (Monomer)		< 1.0	< 1.0	< 1.0
Tetrachloroethene		< 1.0	< 1.0	< 1.0
Toluene		< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene		< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		< 1.0	< 1.0	< 1.0
Trichloroethene		< 1.0	< 1.0	**3.6**
Vinyl chloride		< 1.0	< 1.0	< 1.0
Total VOCs [4]		**9.0**	**8.8**	**6.1**

Footnotes and Abbreviations on last page.

Table 3
Concentrations of Constituents in Groundwater Samples
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

ARCADIS Design & Consultancy for natural and built assets

Notes and Abbreviations:

1.	The sample results associated with this temporary well location are not representative of groundwater (see Section 3.2 of report for discussion).
2.	Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006).
3.	Samples were analyzed for VOCs using USEPA Method 8260C.
4.	Total VOCs are rounded to two significant figures.
ft bls	feet below land surface
Bold	Constituent detected
J	Constituent value is estimated
REP	Blind Duplicate Sample
ug/L	micrograms per liter
VOCs	volatile organic compounds
<1.0	Compound not detected above its laboratory reporting limit.
CFC	Chlorofluorocarbon

Table 4
Summary of LPZ and TVOC Data
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Boring ID	LPZ Depth Interval (ft bls) [1]	LPZ Thickness (feet) [1]	Depth Interval of TVOCs > 10 mg/kg [2]	Highest TVOC Concentration in LPZ (mg/kg) [2]
nU-11-19	36-46	10	36-40	**13**
T-9-19	37-48.5	11.5	38-42	**19**
T-7-19	37-51	14	40-42	**51**
T-5-19	37-44.5	7.5	40-46 [3]	**64**
nU-12-20	36.8-46.4	9.6	--	0.35
nV-11-20	40-48.5	8.5	40-42	**12**
U-9-20	37-47	10	--	0.72
U-7-20	40-48	8	40-46	**61**
U-5-20	41-47.5	6.5	42-44	**190**
T-4-20	37-44.3	7.3	36-42; 44-46 [3]	**66**
nV-12-20	38-49	11	--	0.51
nW-11-20	38-44.8	6.8	38-40	**21**
V-9-20	40-48.5	8.5	40-44	**36**
V-7-20	40-48	8	42-44	**120**
V-5-20	40-48	8	44-46	**120**
nV-n4-20	40.5-44.5	4	40-44 [3]	**170**
T-3-20	37-40.6	3.6	--	0.16
nX-12-20	40.9-46.5	5.6	--	0.033
nY-11-20	41-44	3	--	ND
X-9-20	40.5-47.5	7	40-44 [3]	**51**
X-7-20	40-51.3	11.3	40-42	**16**
X-5-20	41-50.7	9.7	--	5.4
nX-n4-20	38-52	14	38-40; 50-52	**59**
W-2-20	37.9-45.8	7.9	--	1.1
nV-n2-20	37.3-42.1	4.8	--	0.028
Z-9-20	40-49.3	9.3	44-46	**65**
Z-7-20	38.3-50.5	12.2	40-42	**120**
Z-5-20	40-47.6	7.6	40-44	**53**
nZ-n4-20	40-52	12	40-42	**23**
Y-2-20	41.5-50	8.5	--	0.016
AB-8-20	48-48.6	0.6	--	--
nAB-n5-20	36.5-48.5	12	36-38; 40-42 [3]	**36**
nAB-n3-20	36.5-48.25	11.75	--	0.22
nR-5-19	37-40.8	3.8	--	0.01
nM-n5-20	41-52	11	44-50	**160**
nM-4-20	40-48.5	8.5	42-48	**420**
nL-n3-20	44.8-52	7.2	40-42; 44-50	**290**
nAD-n3-20	37.4-43.4	6	--	0.05
AC-4-20	33.9-42.7	8.8	36-40	**49**
nAC-n6-20	34.2-47.6	13.4	42-44	**49**
nAD-7-20	44.8-46	1.2	--	0.014
AE-4-20	33-37	4	--	0.0075
nAE-n6-20	32-37.4	5.4	--	0.019
nAA-11-20	46-47	1	--	0.042
nI-99-20	32.5-39.5	7	--	6.7
nK-98-20	25.3-34.75	9.45	28-34	**73**

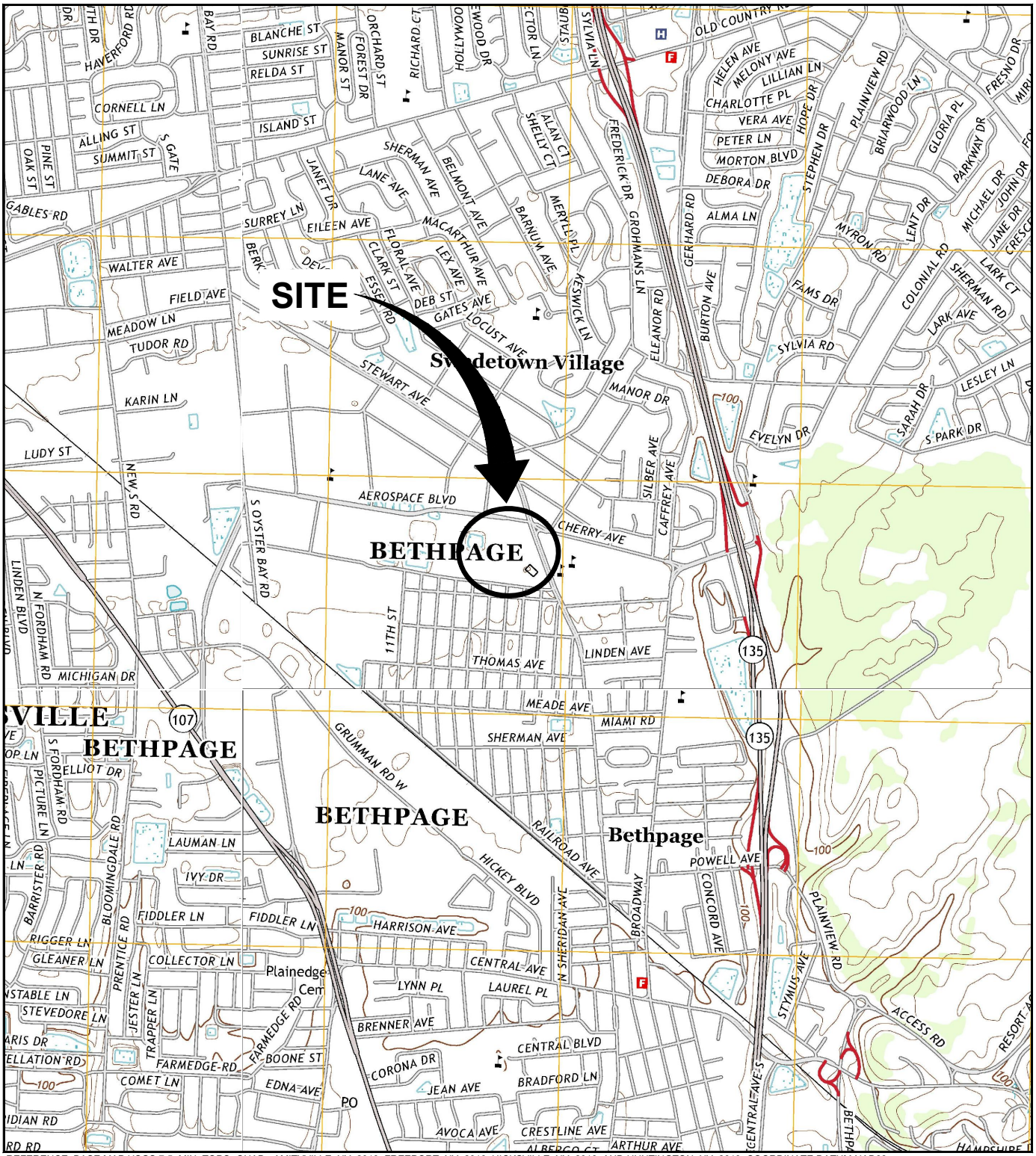
Footnotes and Abbreviations on last page.

Table 4
Summary of LPZ and TVOC Data
Operable Unit 3 (Former Grumman Settling Ponds)
Northrop Grumman Systems Corporation
Bethpage, New York

Notes and Abbreviations:

1.	See soil boring logs (Appendix A) for details.
2.	See Table 2 for details.
3.	The discrete soil samples for laboratory analysis for the 2-foot soil sample intervals were collected within the LPZ.
	Depth interval of TVOCs > 10 mg/kg located within the LPZ.
ft bls	feet below land surface
mg/kg	milligrams per kilogram
LPZ	low permeability zone
TVOCs	total volatile organic compounds
ND	VOCs not detected above laboratory reporting limit.
Bold	TVOC concentration greater than 10 mg/kg.
--	TVOCs not detected above 10 mg/kg.

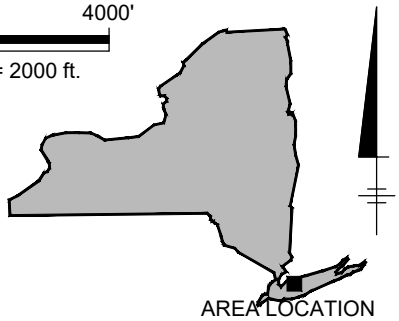
FIGURES



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., AMITYVILLE, NY, 2013, FREEPORT, NY, 2013, HICKSVILLE, NY, 2013, AND HUNTINGTON, NY, 2013, COORDINATE DATUM NAD83.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

SITE LOCATION

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FIGURE
1

XREFS:
IMAGES: PROJECTNAME: ----
2013Amityville.jpg
2013Freeport.jpg
2013Hicksville.jpg
2013Huntington.jpg

CITY:\SYRACUSE-NY DIV/GROUP:ENV DB:A.SANCHEZ LD:ALS PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On)ON=*;OFF=*REF*
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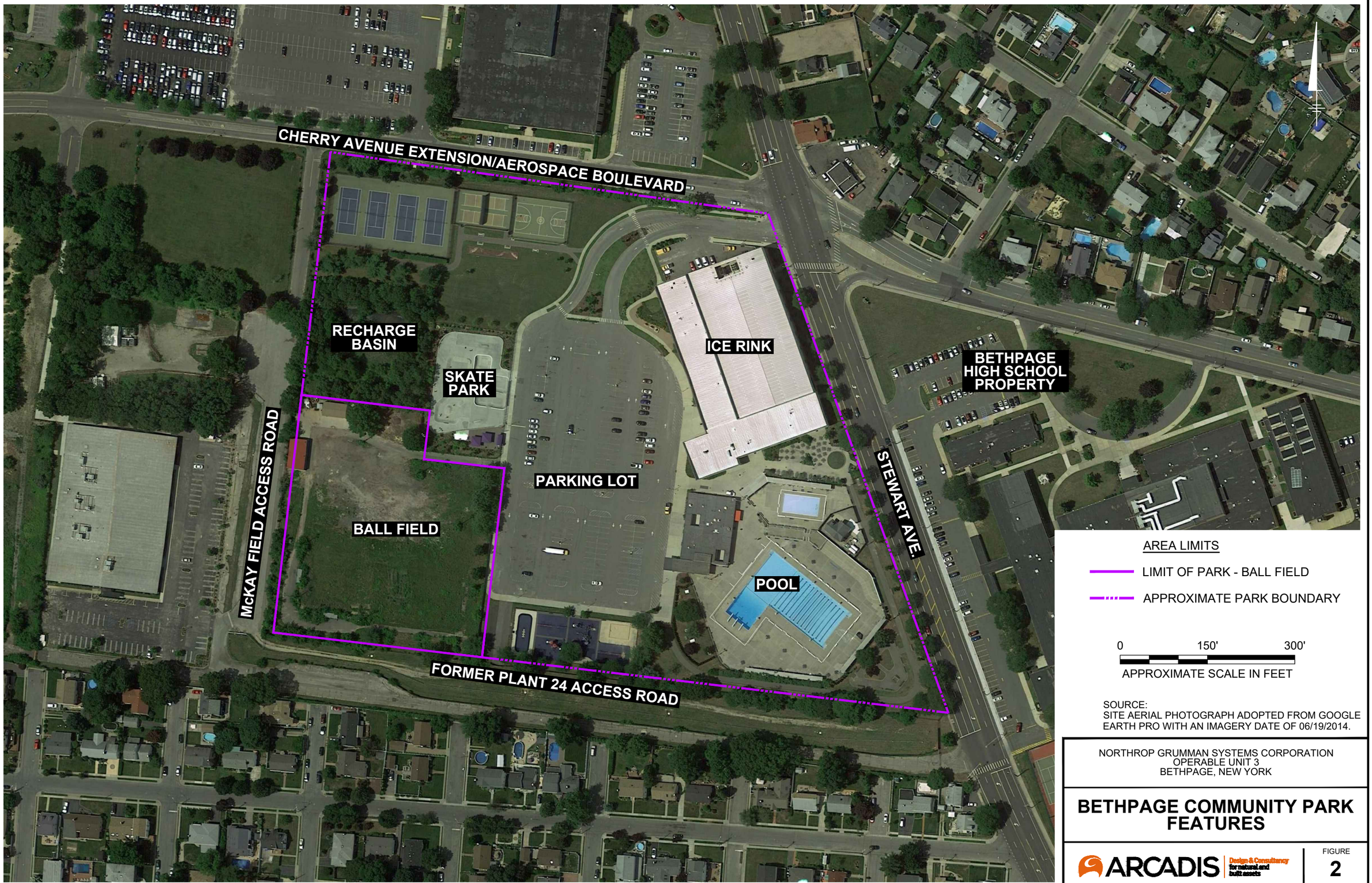


AREA LIMITS

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

BETHPAGE COMMUNITY PARK FEATURES

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

LEGEND:

- LIMIT OF PARK - BALL FIELD
- VOC VOLATILE ORGANIC COMPOUND
- SOIL BORING LOCATION
- MONITORING WELL LOCATION
- PIEZOMETER LOCATION

NOTES:

1. BORINGS WERE SURVEYED BY A LICENSED LAND SURVEYOR.
2. COORDINATES REFER TO NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
3. MONITORING WELLS BCPMW-3 AND B24MW-2, AND PIEZOMETER PZ-10A ARE BEING SHOWN BECAUSE DEPTH TO WATER MEASUREMENTS WERE COLLECTED FROM THESE WELLS DURING THE INVESTIGATION ACTIVITIES.

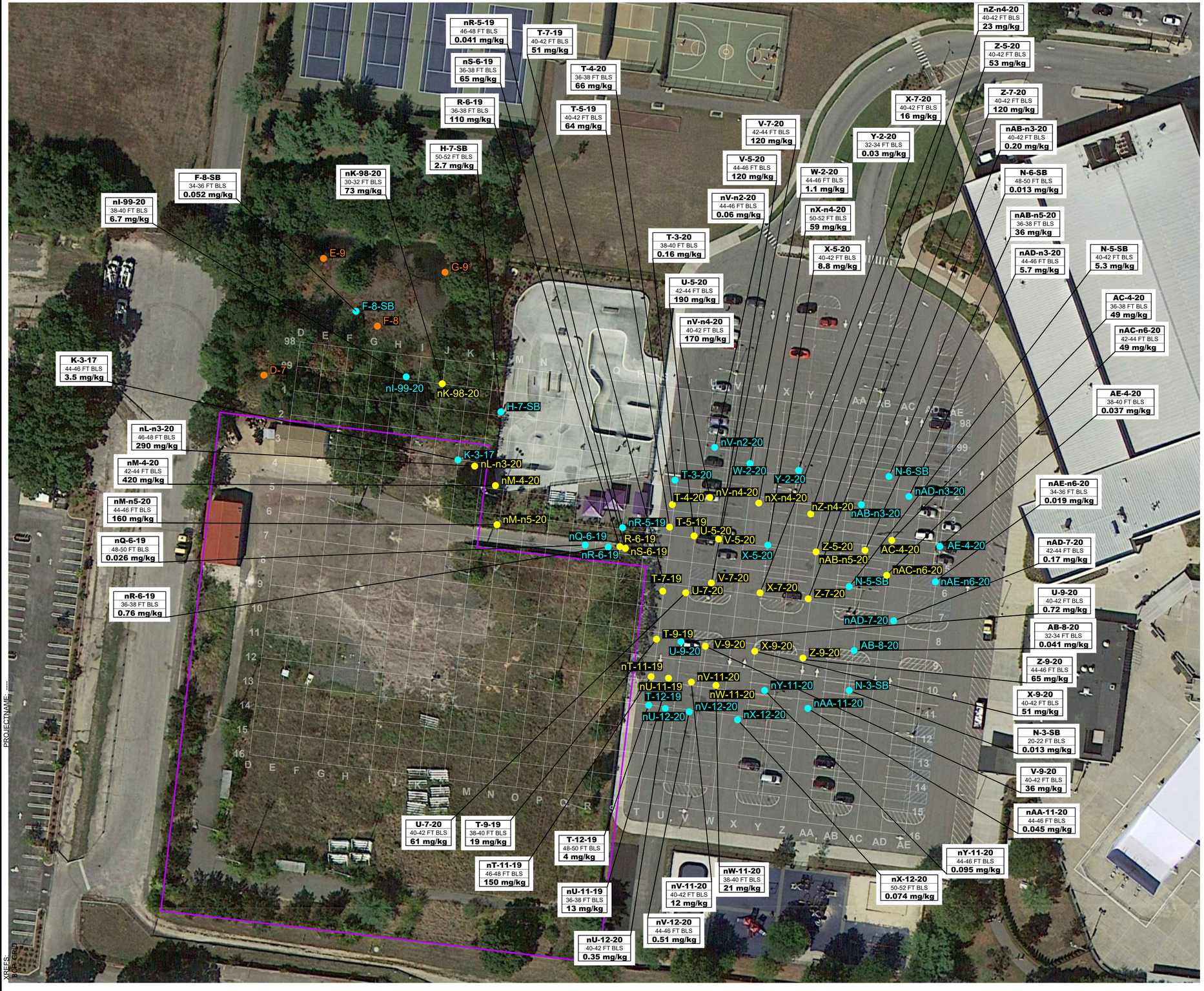
0 30' 60'
APPROXIMATE SCALE IN FEET

NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

LOCATION OF SOIL BORINGS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3



LEGEND:

- LIMIT OF PARK - BALL FIELD
- VOC VOLATILE ORGANIC COMPOUND
- HISTORICAL CPT/MIP LOCATION

CONCENTRATION DISTRIBUTION:

- SOIL BORING LOCATION WITH TVOC CONCENTRATION LESS THAN 10 mg/kg
- SOIL BORING LOCATION WITH TVOC CONCENTRATION GREATER THAN 10 mg/kg

NOTES:

1. BORINGS DRILLED IN 2020, AND BORINGS nT-11-19 AND T-12-19 WHICH WERE DRILLED IN 2019, WERE SURVEYED BY A LICENSED LAND SURVEYOR.
2. BORINGS K-3-17, nQ-6-19, nR-6-19, R-6-19 AND nS-6-19 WERE FIELD LOCATED USING A HAND-HELD GLOBAL POSITIONING SYSTEM (GPS) UNIT.
3. COORDINATES REFER TO NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
4. BORINGS H-7-SB, N-3-SB, N-5-SB, N-6-SB, F-8-SB AND CPT/MIP BORINGS D-7, E-9, F-8 AND G-9 ARE APPROXIMATE AND ARE BASED ON FIELD MEASUREMENTS.
5. BORING DATA FROM PREVIOUS INVESTIGATIONS IN THE PARKING LOT, SKATE PARK AND RECHARGE BASIN SHOWN TO SUPPLEMENT THE CURRENT BORING DATA.
6. ALL SAMPLE CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg).

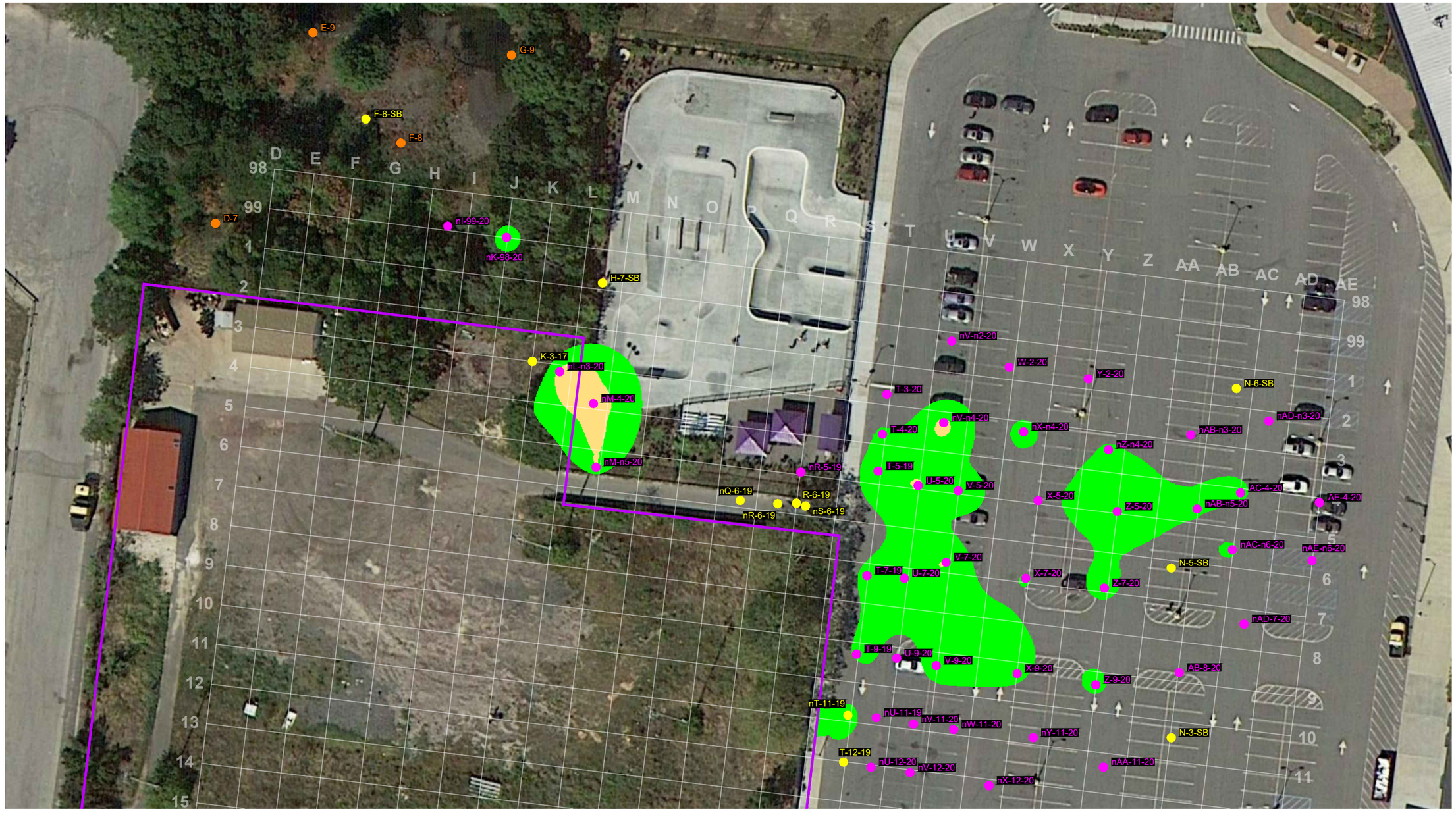
0 40' 80'
APPROXIMATE SCALE IN FEET

NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

MAXIMUM TVOC CONCENTRATIONS IN SOIL BORINGS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
4



LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL CPT/MIP LOCATION
- 2020 SOIL BORING LOCATION
- LIMIT OF PARK - BALL FIELD

TOTAL VOCs

100 mg/kg

10 mg/kg

PLAN VIEW

0 50' 100'

APPROXIMATE SCALE IN FEET

NOTES:

1. BORINGS DRILLED IN 2020, AND BORINGS nT-11-19 AND T-12-19 WHICH WERE DRILLED IN 2019, WERE SURVEYED BY A LICENSED LAND SURVEYOR.
2. HISTORICAL BORINGS WERE FIELD LOCATED USING A HAND-HELD GLOBAL POSITIONING SYSTEM (GPS) UNIT.
3. COORDINATES REFER TO NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
4. VOC CONTOURING GENERATED BY EARTH VOLUMETRIC STUDIO (EVS).
5. VOC - VOLATILE ORGANIC COMPOUND

NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

DISTRIBUTION OF TVOCS IN SOIL BELOW 30 FEET

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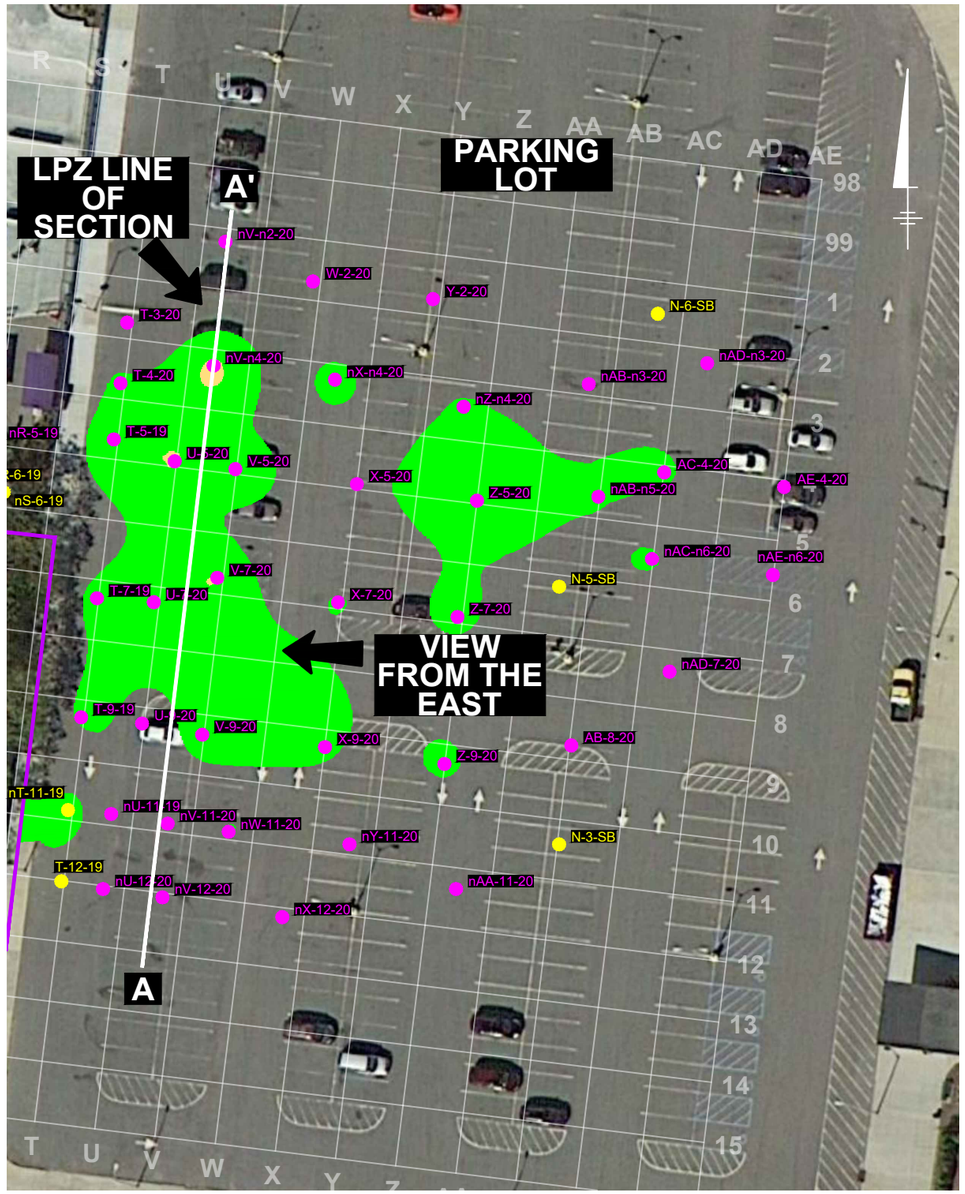
FIGURE 5

CITY: SYRACUSE-NY DIV/GROUP: ENV DB: A.SANCHEZ LD: ALS PIC: (Opt) PM: (Reqd) TM: (Opt) LYR: (On|Off|=*OFF=*REF*
C:\Users\aschilling\BIM 360\Arcadis\ANA - Northrop Grumman\Project Files\OU3 SUBPROJECT 7 PARK SOILS V2\2020\30041978\01-DWG\NGC-F05-BP-PSRBB-TVOCS-V2.dwg LAYOUT: 5 SAVED: 9/28/2020 2:02 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/28/2020 2:12 PM BY: SCHILLING, ADAM
XREFS:
BCP_GRID



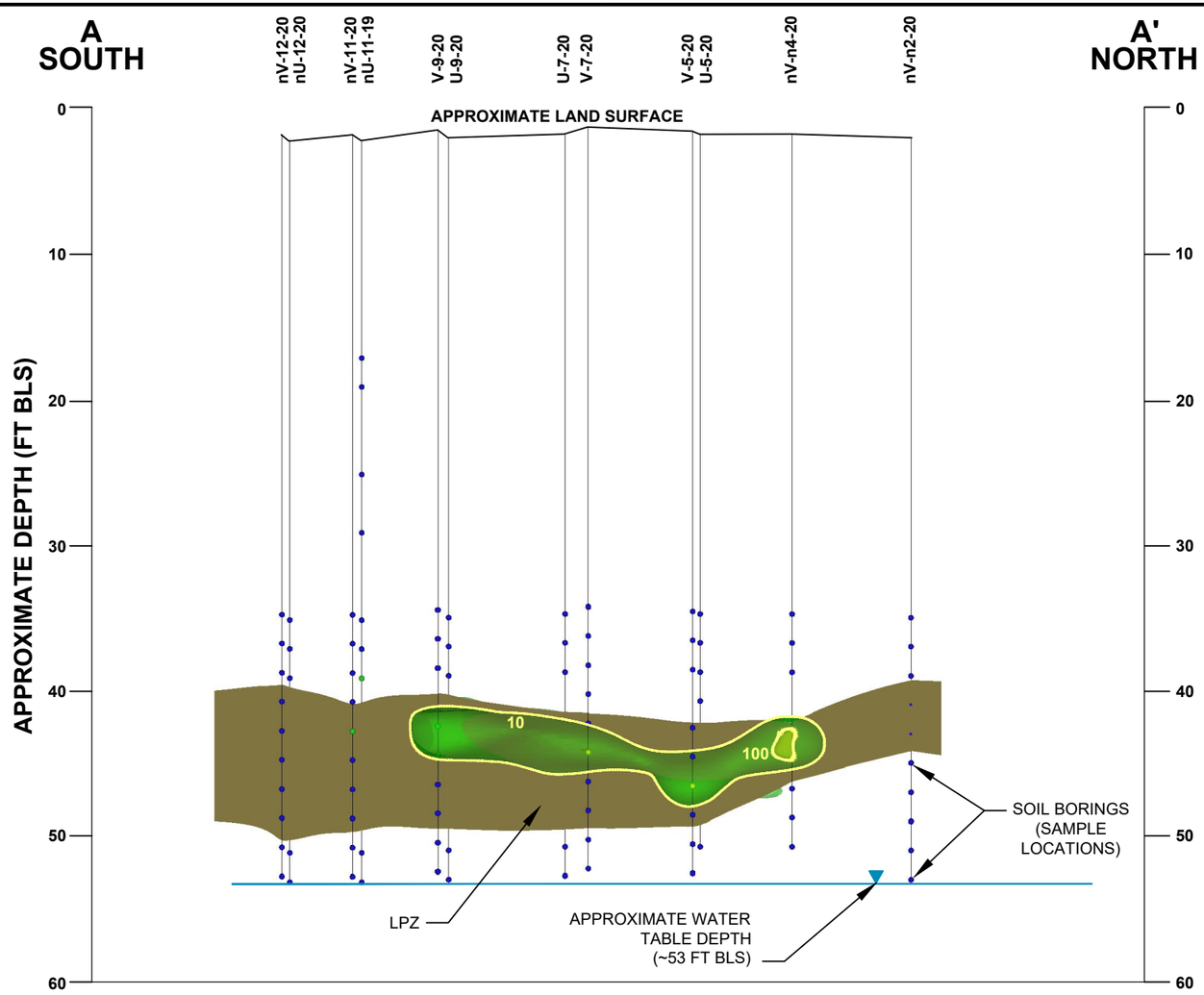
PLAN VIEW

0 50' 100'

APPROXIMATE SCALE IN FEET

LEGEND:

- HISTORICAL SOIL BORING LOCATION
- 2020 SOIL BORING LOCATION
- LIMIT OF PARK - BALL FIELD



VERTICAL SIDE VIEW (LOOKING WEST)

0 50' 100'

APPROXIMATE HORIZONTAL SCALE IN FEET

0 10' 20'

APPROXIMATE VERTICAL SCALE IN FEET

NOTES:

1. BORINGS DRILLED IN 2020, AND BORINGS nT-11-19 AND T-12-19 WHICH WERE DRILLED IN 2019, WERE SURVEYED BY A LICENSED LAND SURVEYOR.
2. HISTORICAL BORINGS WERE FIELD LOCATED USING A HAND-HELD GLOBAL POSITIONING SYSTEM (GPS) UNIT.
3. COORDINATES REFER TO NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
4. VOC CONTOURING GENERATED BY EARTH VOLUMETRIC STUDIO (EVS).
5. TVOCs SHALLOWER THAN 30 FT BLS NOT SHOWN.
6. CROSS SECTION SHOWS TVOC DISTRIBUTION IN 3D LOCAL TO THE LINE OF SECTION AND THE LPZ IN 2D.
7. VOC - VOLATILE ORGANIC COMPOUND
8. LPZ - LOW PERMEABILITY ZONE
9. FT BLS - FEET BELOW LAND SURFACE

TOTAL VOCs

100 mg/kg

10 mg/kg

NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

LPZ CROSS SECTION A-A' AND DISTRIBUTION OF TVOCS LOCAL TO CROSS SECTION

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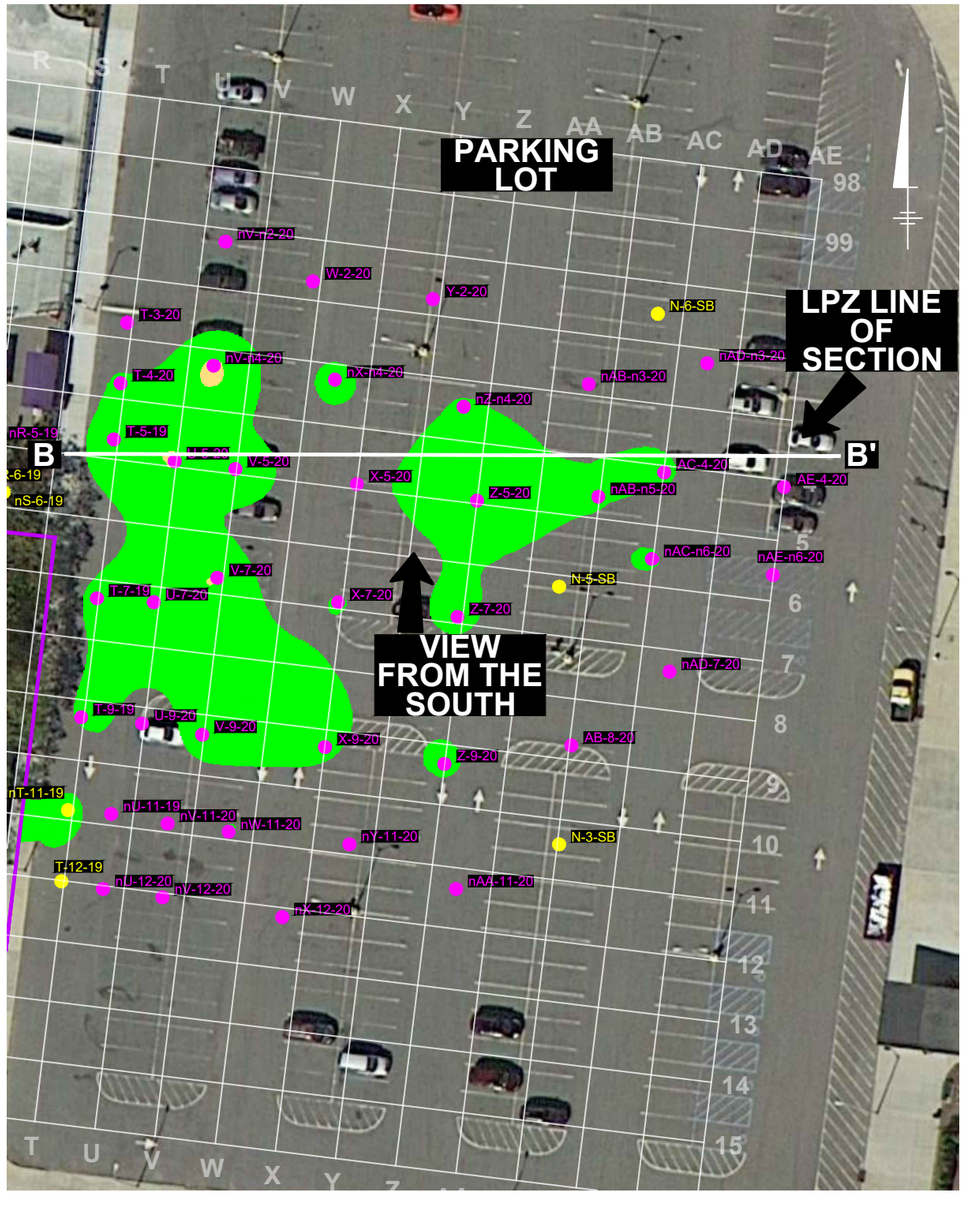
FIGURE 6



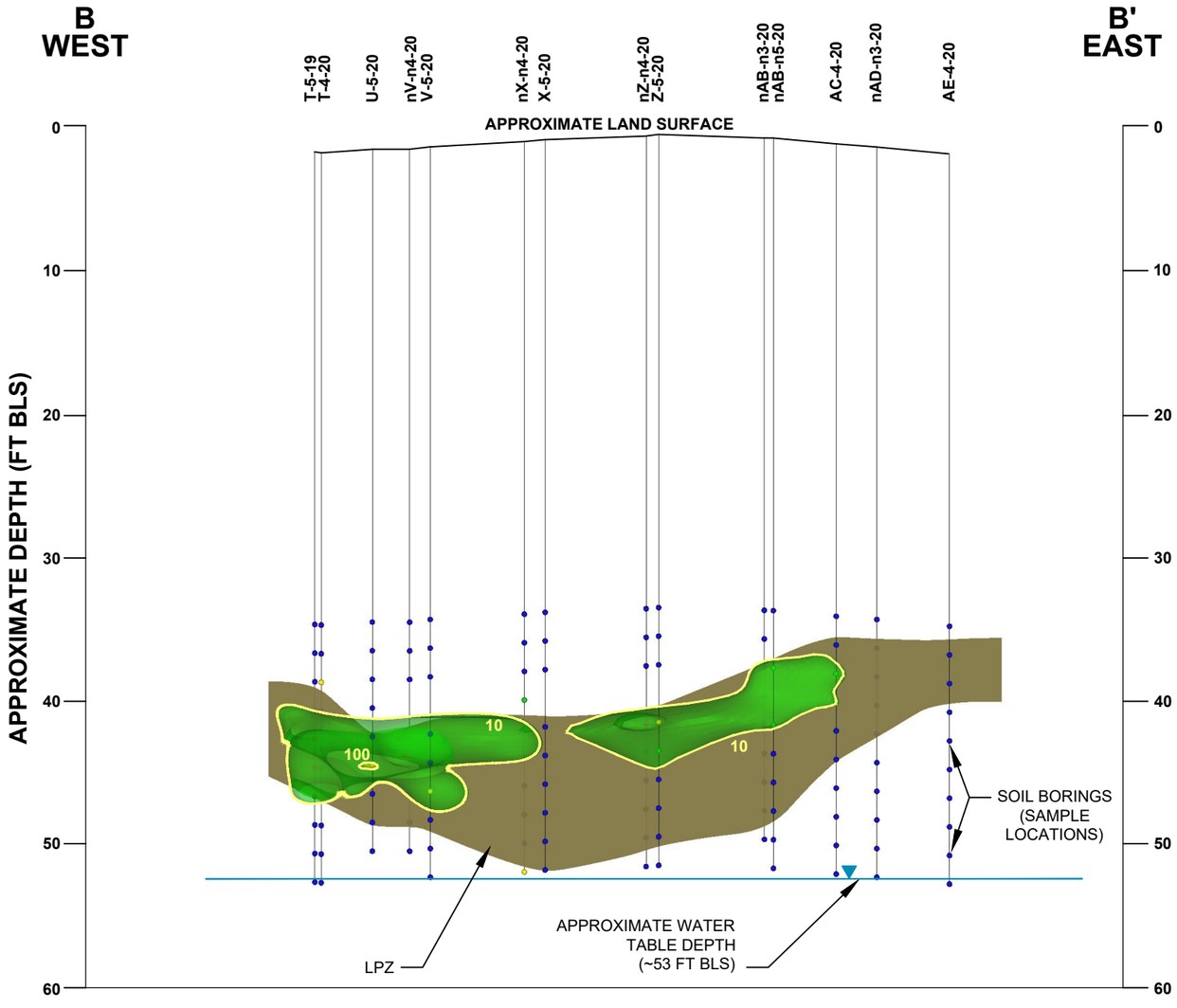
PLAN VIEW

0 50' 100'

APPROXIMATE SCALE IN FEET

LEGEND:

- HISTORICAL SOIL BORING LOCATION
- 2020 SOIL BORING LOCATION
- LIMIT OF PARK - BALL FIELD



VERTICAL SIDE VIEW (LOOKING NORTH)

0 50' 100'

APPROXIMATE HORIZONTAL SCALE IN FEET

0 10' 20'

APPROXIMATE VERTICAL SCALE IN FEET

NOTES:

1. BORINGS DRILLED IN 2020, AND BORINGS nT-11-19 AND T-12-19 WHICH WERE DRILLED IN 2019, WERE SURVEYED BY A LICENSED LAND SURVEYOR.
2. HISTORICAL BORINGS WERE FIELD LOCATED USING A HAND-HELD GLOBAL POSITIONING SYSTEM (GPS) UNIT.
3. COORDINATES REFER TO NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
4. VOC CONTOURING GENERATED BY EARTH VOLUMETRIC STUDIO (EVS).
5. TVOCs SHALLOWER THAN 30 FT BLS NOT SHOWN.
6. CROSS SECTION SHOWS TVOC DISTRIBUTION IN 3D LOCAL TO THE LINE OF SECTION AND THE LPZ IN 2D.
7. VOC - VOLATILE ORGANIC COMPOUND
8. LPZ - LOW PERMEABILITY ZONE
9. FT BLS - FEET BELOW LAND SURFACE

TOTAL VOCs

100 mg/kg

10 mg/kg

NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

LPZ CROSS SECTION B-B' AND DISTRIBUTION OF TVOCS LOCAL TO CROSS SECTION

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FIGURE 7

CITY:SYRACUSE-NY DIV/GROUP-ENV DB:A.SANCHEZ LD:ALS PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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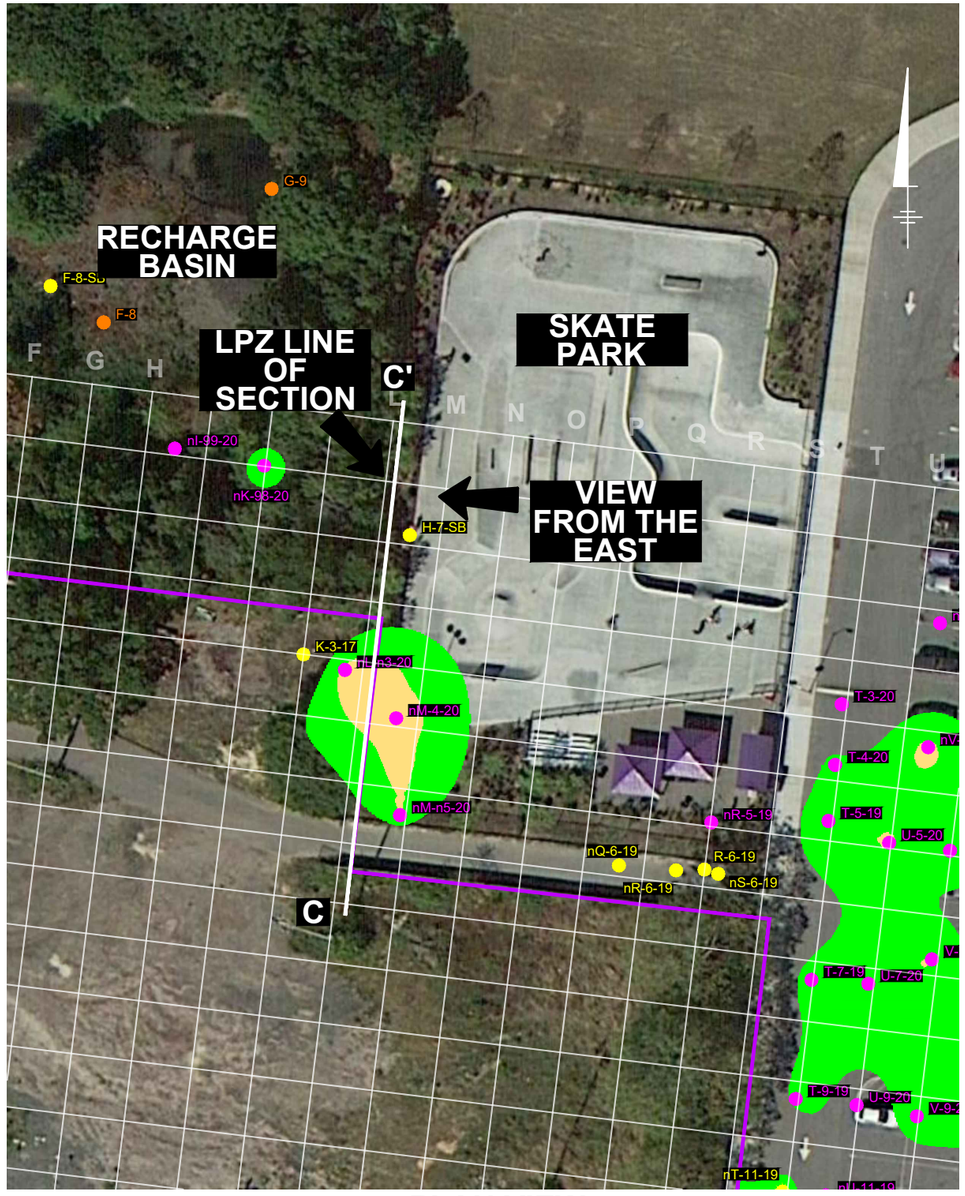
NGC-F05-BP-PSRB6-TVOCS-V2
BCP_GRID



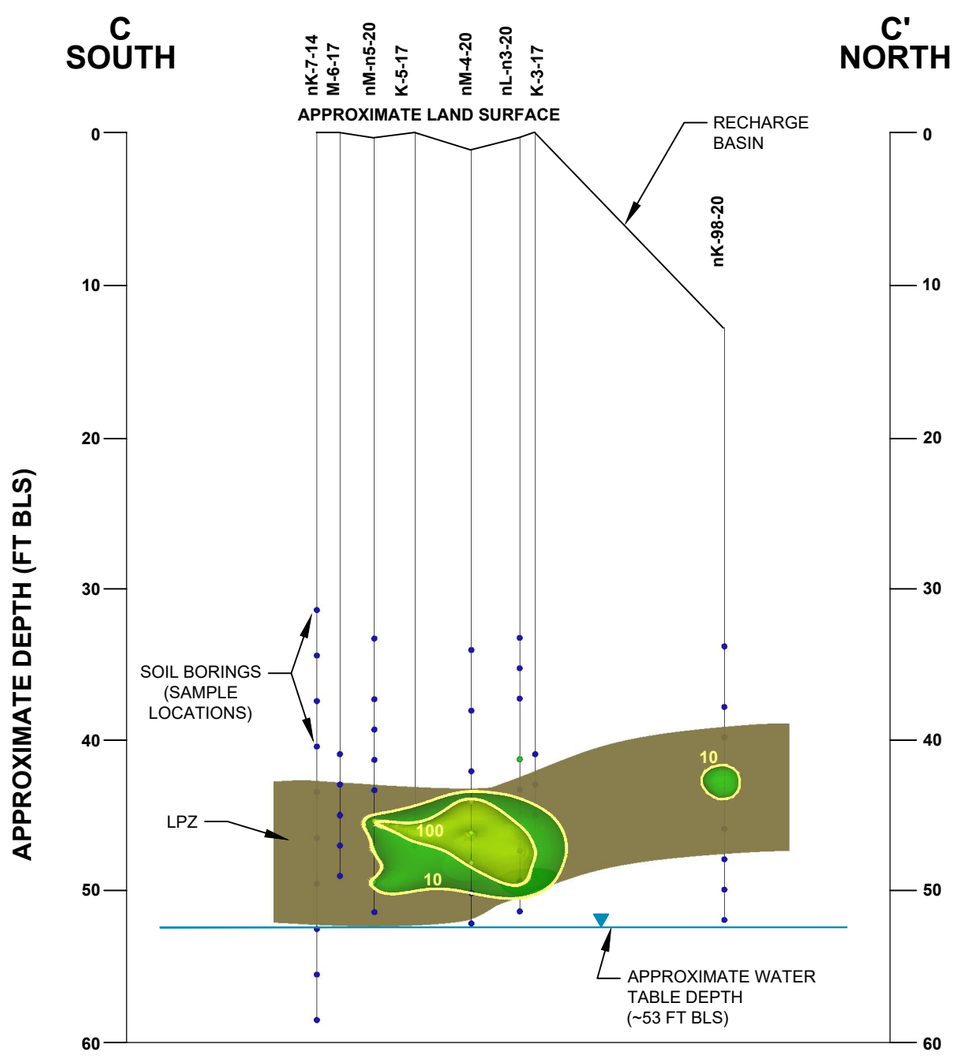
PLAN VIEW

0 50' 100'

APPROXIMATE SCALE IN FEET

LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL CPT/MIP LOCATION
- 2020 SOIL BORING LOCATION
- LIMIT OF PARK - BALL FIELD



VERTICAL SIDE VIEW (LOOKING WEST)

0 50' 100'

APPROXIMATE HORIZONTAL SCALE IN FEET

0 10' 20'

APPROXIMATE VERTICAL SCALE IN FEET

NOTES:

1. BORINGS DRILLED IN 2020, AND BORINGS nT-11-19 AND T-12-19 WHICH WERE DRILLED IN 2019, WERE SURVEYED BY A LICENSED LAND SURVEYOR.
2. HISTORICAL BORINGS WERE FIELD LOCATED USING A HAND-HELD GLOBAL POSITIONING SYSTEM (GPS) UNIT.
3. COORDINATES REFER TO NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
4. VOC CONTOURING GENERATED BY EARTH VOLUMETRIC STUDIO (EVS).
5. TVOCs SHALLOWER THAN 30 FT BLS NOT SHOWN.
6. CROSS SECTION SHOWS TVOC DISTRIBUTION IN 3D LOCAL TO THE LINE OF SECTION AND THE LPZ IN 2D.
7. SOIL BORING nK-98-20 IS PROJECTED ONTO THE LINE OF SECTION.
8. VOC - VOLATILE ORGANIC COMPOUND
9. LPZ - LOW PERMEABILITY ZONE
10. FT BLS - FEET BELOW LAND SURFACE

TOTAL VOCs

100 mg/kg

10 mg/kg

NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

LPZ CROSS SECTION C-C' AND DISTRIBUTION OF TVOCS LOCAL TO CROSS SECTION

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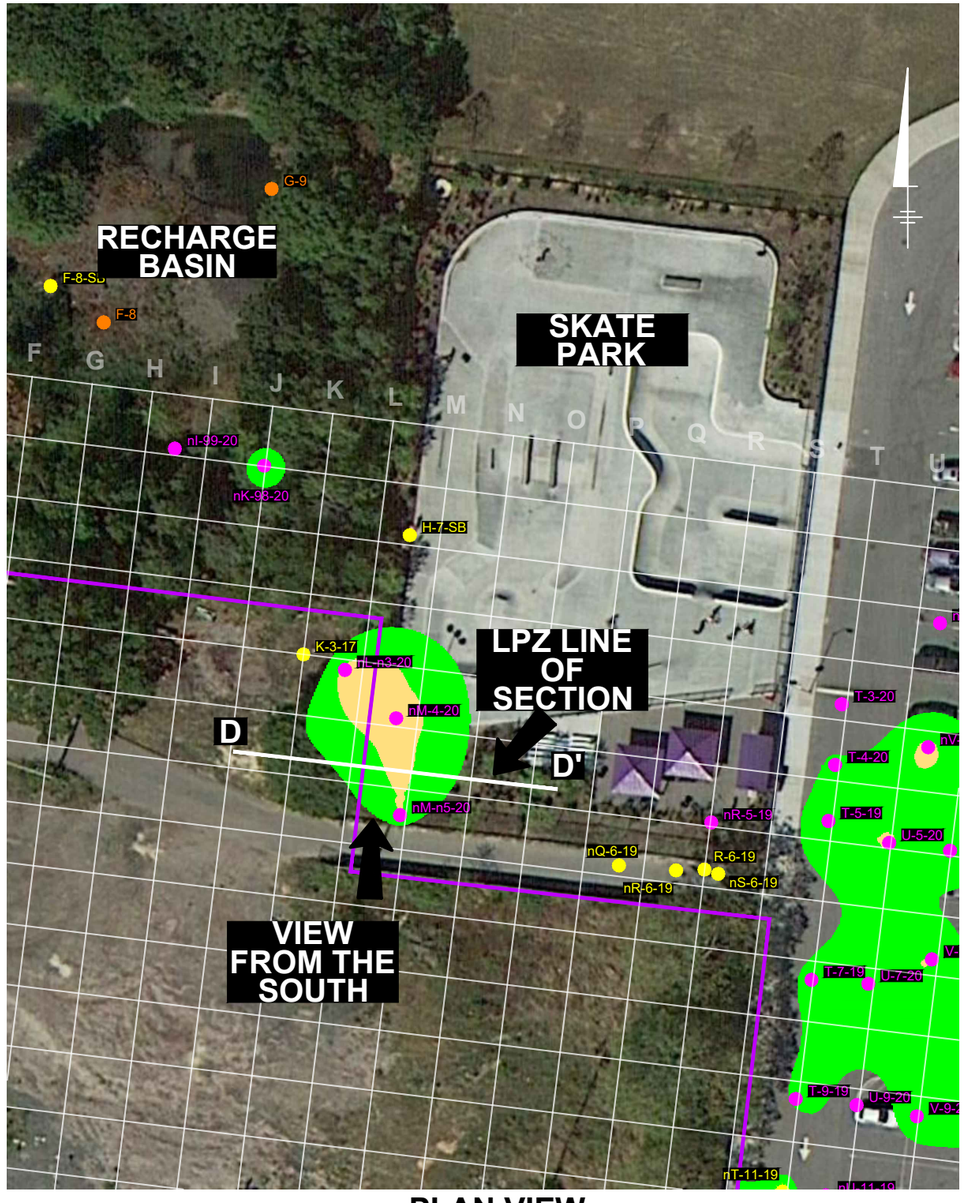
FIGURE 8



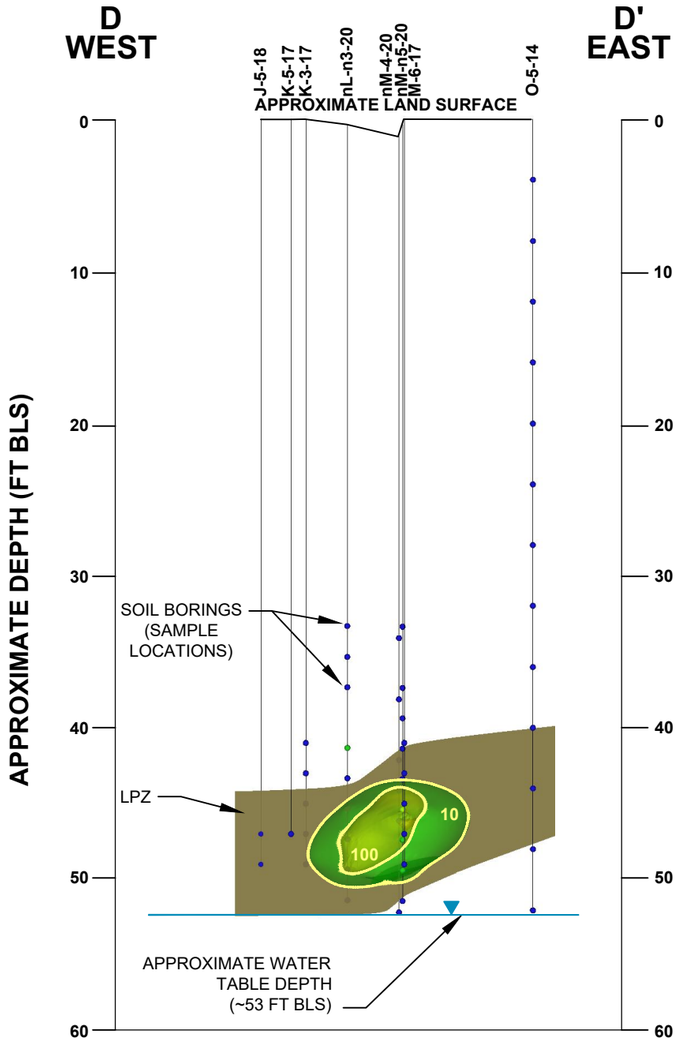
PLAN VIEW

0 50' 100'

APPROXIMATE SCALE IN FEET

LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL CPT/MIP LOCATION
- 2020 SOIL BORING LOCATION
- LIMIT OF PARK - BALL FIELD



VERTICAL SIDE VIEW (LOOKING NORTH)

0 50' 100'

APPROXIMATE HORIZONTAL SCALE IN FEET

0 10' 20'

APPROXIMATE VERTICAL SCALE IN FEET

NOTES:

1. BORINGS DRILLED IN 2020, AND BORINGS nT-11-19 AND T-12-19 WHICH WERE DRILLED IN 2019, WERE SURVEYED BY A LICENSED LAND SURVEYOR.
2. HISTORICAL BORINGS WERE FIELD LOCATED USING A HAND-HELD GLOBAL POSITIONING SYSTEM (GPS) UNIT.
3. COORDINATES REFER TO NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83).
4. VOC CONTOURING GENERATED BY EARTH VOLUMETRIC STUDIO (EVS).
5. TVOCs SHALLOWER THAN 30 FT BLS NOT SHOWN.
6. CROSS SECTION SHOWS TVOC DISTRIBUTION IN 3D LOCAL TO THE LINE OF SECTION AND THE LPZ IN 2D.
7. VOC - VOLATILE ORGANIC COMPOUND
8. LPZ - LOW PERMEABILITY ZONE
9. FT BLS - FEET BELOW LAND SURFACE

TOTAL VOCs

100 mg/kg

10 mg/kg

NORTHROP GRUMMAN SYSTEMS CORPORATION
OPERABLE UNIT 3
BETHPAGE, NEW YORK

LPZ CROSS SECTION D-D' AND DISTRIBUTION OF TVOCS LOCAL TO CROSS SECTION

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FIGURE 9

CITY:SYRACUSE-NY DIV/GROUP-ENV DB:A.SANCHEZ LD:ALS PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\aschilling\BIM 360\Arcadis\ANA - Northrop Grumman\Project Files\OU3 SUBPROJECT 7 PARK SOILS V2\20203003041978\01-DWG\NGC-F\05-BP-PSRB6-TVOCS-XSECT.dwg LAYOUT: 9 SAVED: 9/28/2020 11:24 AM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/28/2020 2:15 PM BY: SCHILLING, ADAM
XREFS:
NGC-F05-BP-PSRB6-TVOCS-V2
BCP_GRID

APPENDIX A

Community Air Monitoring Plan Data

APPENDIX B

IDW Waste Characterization Data

APPENDIX C

Soil Boring Logs

APPENDIX D

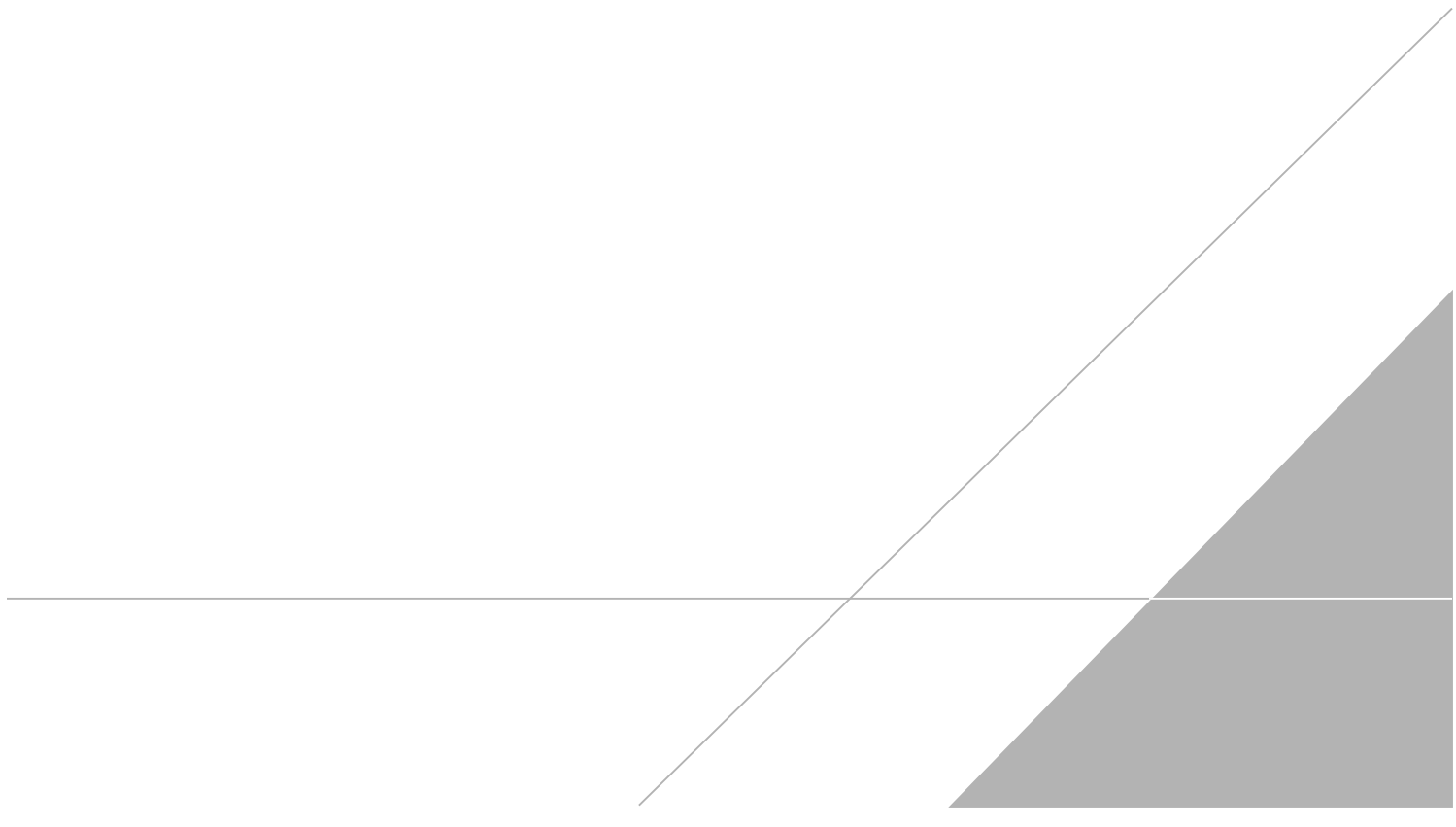
Survey – Soil Boring Location Map

APPENDIX E

Laboratory Reports

APPENDIX F

Data Usability Summary Reports



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