

APPENDIX A
DATA USABILITY SUMMARY REPORT
FOURTH QUARTER 2017

HEMPSTEAD INTERSECTION STREET FORMER MGP SITE
VILLAGES OF GARDEN CITY AND HEMPSTEAD
LONG ISLAND, NEW YORK

Analyses Performed by:
PACE ANALYTICAL

Prepared For:

NATIONAL GRID
175 EAST OLD COUNTRY RD.
HICKSVILLE, NY 11801

Prepared by:

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February 2018

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I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and Development of Data Usability Summary Reports*, May 2010.

This DUSR discusses the usability of the analytical data for twenty-nine (29) groundwater samples, two (2) field duplicates, one (1) matrix spike/matrix spike duplicate (MS/MSD) pair, one (1) field blank, and five (5) trip blanks collected by URS personnel on December 18-28, 2017. The groundwater samples were collected as part of the 2017 4th quarter groundwater monitoring event at the Hempstead Intersection Street Former MGP Site.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION

The samples were analyzed by Pace Analytical for the following parameters:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) – USEPA Method SW8260C and
- Polynuclear aromatic hydrocarbons (PAHs) – USEPA Method SW8270D.

A limited data validation was performed on the samples in accordance with the guidelines presented in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C, SOP HW-24, Rev. 4, October 2014* and
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, SOP HW-22, Rev. 4, August 2008.*

The limited data validation included a review of completeness of all required deliverables; holding times; quality control (QC) results (instrument tunes, calibration standards, blanks, matrix spike recoveries, field duplicate analyses, laboratory control sample (LCS) recoveries, and surrogate/internal standard

recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

The validated analytical results are presented in Tables A-1 and A-2. Copies of the validated laboratory results (i.e., Form 1's) are presented in Attachment A. Copies of the chain-of-custodies, case narratives, and documentation supporting the qualification of data are presented in Attachment B. Only problems affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC ASP Category B or equivalent) were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC), except for the following instance.

- The cooler temperature associated with samples collected on 12/22/17 was above the QC limits of $4^{\circ} \pm 2^{\circ}$ C. The samples were received at the laboratory on the same day they were collected, hence, there was insufficient time for the samples to cool down during transit. No further qualification of the data was deemed necessary.

All samples were analyzed within the required holding times.

V. NON-CONFORMANCES

The BTEX matrix duplicate analysis associated with sample HIMW-014I exhibited a relative percent difference (RPD) exceedance for benzene. The benzene result for sample HIMW-014I was qualified 'J'. Support documentation (i.e., Form III VOA-1) is presented in Attachment B.

The PAH MS/MSD analyses associated with sample HIMW-08S exhibited RPD exceedances for all PAHs. This may have been a result of the laboratory spiking the MS at 50 ppb and the MSD at 15 ppb. Typically, the MS and MSD are spiked at the same level. Since the percent recoveries for the MS/MSD and corresponding LCS were within QC limits, no further qualification of the data was deemed necessary.

VI. SAMPLE RESULTS AND REPORTING

All sample results were reported in accordance with method requirements and were adjusted for sample size and dilution factors. Results detected below the quantitation limits were qualified 'J' by the laboratory, while results reported from secondary dilution analyses were qualified 'D'.

Field duplicates were collected from monitoring well locations HIMW-013D and HIMW-026D, which exhibited good field and analytical precision.

VII. SUMMARY

All sample analyses were found to be compliant with the method and validation criteria, and the data are usable as reported. Those results qualified 'J' (estimated) during the data review are considered conditionally usable. URS does not recommend the re-collection of any samples at this time.

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Date: 3/20/18

Reviewed By: George E. Kisluk
George E. Kisluk, Senior Chemist

Date: 3/20/18

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

- U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- D – The sample results are reported from a separate secondary dilution analysis.
- NJ – The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2017
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-003D	HIMW-003I	HIMW-003S	HIMW-005D	HIMW-005I
Sample ID			HIMW-03D	HIMW-03I	HIMW-03S	HIMW-05D	HIMW-05I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/20/17	12/20/17	12/20/17	12/27/17	12/27/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Benzene	UG/L	-	1.0 U	1.0 U	1.0 U	3.1	1.0 U
Ethylbenzene	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	-	1.0 U	1.0 U	1.0 U	2.8	1.0 U
Xylene (total)	UG/L	-	2.0 U	2.0 U	2.0 U	57.4	56.4
Total BTEX	UG/L	100	ND	ND	ND	63.3	56.4
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	214 DJ	330 D
Acenaphthene	UG/L	-	5.0 U	5.0 U	5.0 U	4.7 J	14.9
Acenaphthylene	UG/L	-	5.0 U	5.0 U	5.0 U	68.2	297 D
Anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	3.0 J
Benzo(a)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluorene	UG/L	-	5.0 U	5.0 U	5.0 U	9.3	34.4
Indeno(1,2,3-cd)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	1,550 D	1,710 D
Phenanthrene	UG/L	-	5.0 U	5.0 U	5.0 U	1.0 J	21.8
Pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	ND	ND	ND	1,847.2	2,411.1

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit. NA - Not Analyzed ND - not Detected

Made By_PRF 02/15/18_; Checked By_AMK 02/15/18_

Detection Limits shown are PQL

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2017
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-005S	HIMW-008D	HIMW-008I	HIMW-008S	HIMW-012S
Sample ID			HIMW-05S	HIMW-08D	HIMW-08I	HIMW-08S	HIMW-12S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/27/17	12/26/17	12/26/17	12/26/17	12/22/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Benzene	UG/L	-	1.0 U	1.0 U	1.0 U	25.0	1.0 U
Ethylbenzene	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	-	1.0 U	1.0 U	1.0 U	2.7	1.0 U
Xylene (total)	UG/L	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	UG/L	100	ND	ND	ND	27.7	ND
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthylene	UG/L	-	5.0 U	5.0 U	5.0 U	1.6 J	5.0 U
Anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluorene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	UG/L	-	5.0 U	5.0 U	5.0 U	3.6 J	5.0 U
Pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	ND	ND	ND	5.2	ND

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit. NA - Not Analyzed ND - not Detected

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Detection Limits shown are PQL

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2017
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-013D	HIMW-013D	HIMW-013I	HIMW-013S	HIMW-014D
Sample ID			DUP20171221	HIMW-13D	HIMW-13I	HIMW-13S	HIMW-14D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/21/17	12/21/17	12/21/17	12/19/17	12/21/17
Parameter	Units	Criteria*	Field Duplicate (1-1)				
Volatile Organic Compounds							
Benzene	UG/L	-	1.4	1.3	0.43 J	1.0 U	1.0 U
Ethylbenzene	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	UG/L	100	1.4	1.3	0.43	ND	ND
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	UG/L	-	4.6 J	4.7 J	5.0 U	5.0 U	5.0 U
Acenaphthylene	UG/L	-	9.9	10	5.0 U	5.0 U	5.0 U
Anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluorene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	14.5	14.7	ND	ND	ND

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

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D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit. NA - Not Analyzed ND - not Detected

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TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2017
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-014I	HIMW-015D	HIMW-015I	HIMW-020I	HIMW-020S
Sample ID			HIMW-14I	HIMW-15D	HIMW-15I	HIMW-20I	HIMW-20S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/20/17	12/19/17	12/19/17	12/27/17	12/27/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Benzene	UG/L	-	2.4 J	1.0 U	3.9	3.9	1.0 U
Ethylbenzene	UG/L	-	1.0 U	1.0 U	1.0 U	28.3	1.0 U
Toluene	UG/L	-	1.0 U	1.0 U	1.0 U	2.6	1.0 U
Xylene (total)	UG/L	-	2.0 U	2.0 U	2.0 U	153	2.0 U
Total BTEX	UG/L	100	2.4	ND	3.9	187.8	ND
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	9.8	5.0 U
Acenaphthene	UG/L	-	8.2	5.0 U	5.0 U	13.6	5.0 U
Acenaphthylene	UG/L	-	11.1	5.0 U	5.4	225 D	5.0 U
Anthracene	UG/L	-	0.64 J	5.0 U	5.0 U	3.3 J	5.0 U
Benzo(a)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluorene	UG/L	-	3.1 J	5.0 U	5.0 U	25.1	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	158 D	5.0 U
Phenanthrene	UG/L	-	2.8 J	5.0 U	5.0 U	30.2	5.0 U
Pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	25.84	ND	5.4	465	ND

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit. NA - Not Analyzed ND - not Detected

Made By_PRF 02/15/18_; Checked By_AMK 02/15/18_

Detection Limits shown are PQL

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2017
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-022	HIMW-023	HIMW-024	HIMW-025	HIMW-026D
Sample ID			HIMW-22	HIMW-23	HIMW-24	HIMW-25	DUP20171228
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/19/17	12/18/17	12/22/17	12/22/17	12/28/17
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
Benzene	UG/L	-	1.0 U	1.0 U	1.0 U	591 D	1.0 U
Ethylbenzene	UG/L	-	1.0 U	1.0 U	1.0 U	17.4	1.0 U
Toluene	UG/L	-	1.0 U	1.0 U	1.0 U	3.5	2.2
Xylene (total)	UG/L	-	2.0 U	2.0 U	2.0 U	217	97.1
Total BTEX	UG/L	100	ND	ND	ND	828.9	99.3
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	13.8	299 D
Acenaphthene	UG/L	-	5.0 U	5.0 U	5.0 U	2.6 J	7.0
Acenaphthylene	UG/L	-	5.0 U	5.0 U	5.0 U	27.2	142 DJ
Anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	1.3 J
Benzo(a)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluorene	UG/L	-	5.0 U	5.0 U	5.0 U	3.1 J	18.3
Indeno(1,2,3-cd)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	UG/L	-	5.0 U	5.0 U	5.0 U	460 D	1,830 D
Phenanthrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	16.6
Pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	ND	ND	ND	506.7	2,314.2

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit. NA - Not Analyzed ND - not Detected

Made By_PRF 02/15/18_; Checked By_AMK 02/15/18_

Detection Limits shown are PQL

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2017
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-026D	HIMW-026I	HIMW-027I	HIMW-027S	HIMW-028I
Sample ID			HIMW-26D	HIMW-26I	HIMW-27I	HIMW-27S	HIMW-28I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/28/17	12/28/17	12/28/17	12/28/17	12/27/17
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Benzene	UG/L	-	1.0 U	1.0 U	1.0 U	7.2	1.0 U
Ethylbenzene	UG/L	-	1.0 U	1.0 U	1.0 U	373 D	1.0 U
Toluene	UG/L	-	2.3	1.0 U	1.0 U	8.9	1.0 U
Xylene (total)	UG/L	-	103	2.0 U	2.0 U	408 D	2.0 U
Total BTEX	UG/L	100	105.3	ND	ND	797.1	ND
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	257 D	5.0 U	5.0 U	259 D	5.0 U
Acenaphthene	UG/L	-	7.1	5.0 U	5.0 U	117 DJ	5.0 U
Acenaphthylene	UG/L	-	137 DJ	5.0 U	5.0 U	5.9	5.0 U
Anthracene	UG/L	-	1.2 J	5.0 U	5.0 U	11.9	5.0 U
Benzo(a)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	UG/L	-	5.0 U	5.0 U	5.0 U	3.1 J	5.0 U
Fluorene	UG/L	-	18.6	5.0 U	5.0 U	57.3	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	UG/L	-	1,700 D	5.0 U	5.0 U	1,300 D	5.0 U
Phenanthrene	UG/L	-	16.8	5.0 U	5.0 U	65.8	5.0 U
Pyrene	UG/L	-	5.0 U	5.0 U	5.0 U	4.1 J	5.0 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	2,137.7	ND	ND	1,824.1	ND

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit. NA - Not Analyzed ND - not Detected

Made By_PRF 02/15/18_; Checked By_AMK 02/15/18_

Detection Limits shown are PQL

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2017
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-028S
Sample ID			HIMW-28S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			12/27/17
Parameter	Units	Criteria*	
Volatile Organic Compounds			
Benzene	UG/L	-	2.4
Ethylbenzene	UG/L	-	113
Toluene	UG/L	-	1.2
Xylene (total)	UG/L	-	9.3
Total BTEX	UG/L	100	125.9
Semivolatile Organic Compounds			
2-Methylnaphthalene	UG/L	-	156 D
Acenaphthene	UG/L	-	40.1
Acenaphthylene	UG/L	-	2.0 J
Anthracene	UG/L	-	5.0 J
Benzo(a)anthracene	UG/L	-	5.0 U
Benzo(a)pyrene	UG/L	-	5.0 U
Benzo(b)fluoranthene	UG/L	-	5.0 U
Benzo(g,h,i)perylene	UG/L	-	5.0 U
Benzo(k)fluoranthene	UG/L	-	5.0 U
Chrysene	UG/L	-	5.0 U
Dibenz(a,h)anthracene	UG/L	-	5.0 U
Fluoranthene	UG/L	-	5.0 U
Fluorene	UG/L	-	23.3
Indeno(1,2,3-cd)pyrene	UG/L	-	5.0 U
Naphthalene	UG/L	-	471 D
Phenanthrene	UG/L	-	23.5
Pyrene	UG/L	-	1.1 J
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	722

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit. NA - Not Analyzed ND - not Detected

Made By_PRF 02/15/18_; Checked By_AMK 02/15/18_

Detection Limits shown are PQL

TABLE A-2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2017
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID			TB 20171219	TB20171221	TB20171222	TB20171227	FB20171228
Matrix			Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/19/17	12/21/17	12/22/17	12/27/17	12/28/17
Parameter	Units	Criteria*	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Field Blank (1-1)
Volatile Organic Compounds							
Benzene	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	UG/L	100	ND	ND	ND	ND	ND
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	NA	NA	NA	NA	5.0 U
Acenaphthene	UG/L	-	NA	NA	NA	NA	5.0 U
Acenaphthylene	UG/L	-	NA	NA	NA	NA	5.0 U
Anthracene	UG/L	-	NA	NA	NA	NA	5.0 U
Benzo(a)anthracene	UG/L	-	NA	NA	NA	NA	5.0 U
Benzo(a)pyrene	UG/L	-	NA	NA	NA	NA	5.0 U
Benzo(b)fluoranthene	UG/L	-	NA	NA	NA	NA	5.0 U
Benzo(g,h,i)perylene	UG/L	-	NA	NA	NA	NA	5.0 U
Benzo(k)fluoranthene	UG/L	-	NA	NA	NA	NA	5.0 U
Chrysene	UG/L	-	NA	NA	NA	NA	5.0 U
Dibenz(a,h)anthracene	UG/L	-	NA	NA	NA	NA	5.0 U
Fluoranthene	UG/L	-	NA	NA	NA	NA	5.0 U
Fluorene	UG/L	-	NA	NA	NA	NA	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	-	NA	NA	NA	NA	5.0 U
Naphthalene	UG/L	-	NA	NA	NA	NA	5.0 U
Phenanthrene	UG/L	-	NA	NA	NA	NA	5.0 U
Pyrene	UG/L	-	NA	NA	NA	NA	5.0 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	NA	NA	NA	NA	ND

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit.

NA - The sample was not analyzed for this parameter. ND - Not detected.

Made By_PRF 02/15/18_; Checked By_AMK 02/15/18_

Detection Limits shown are PQL

TABLE A-2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2017
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			FIELDQC
Sample ID			TB20171228
Matrix			Water Quality
Depth Interval (ft)			-
Date Sampled			12/28/17
Parameter	Units	Criteria*	Trip Blank (1-1)
Volatile Organic Compounds			
Benzene	UG/L	-	1.0 U
Ethylbenzene	UG/L	-	1.0 U
Toluene	UG/L	-	1.0 U
Xylene (total)	UG/L	-	2.0 U
Total BTEX	UG/L	100	ND
Semivolatile Organic Compounds			
2-Methylnaphthalene	UG/L	-	NA
Acenaphthene	UG/L	-	NA
Acenaphthylene	UG/L	-	NA
Anthracene	UG/L	-	NA
Benzo(a)anthracene	UG/L	-	NA
Benzo(a)pyrene	UG/L	-	NA
Benzo(b)fluoranthene	UG/L	-	NA
Benzo(g,h,i)perylene	UG/L	-	NA
Benzo(k)fluoranthene	UG/L	-	NA
Chrysene	UG/L	-	NA
Dibenz(a,h)anthracene	UG/L	-	NA
Fluoranthene	UG/L	-	NA
Fluorene	UG/L	-	NA
Indeno(1,2,3-cd)pyrene	UG/L	-	NA
Naphthalene	UG/L	-	NA
Phenanthrene	UG/L	-	NA
Pyrene	UG/L	-	NA
Total Polynuclear Aromatic Hydrocarbons	UG/L	100	NA

*Criteria- Groundwater Plume Delineation/Design Criteria, Pre-Design Investigation Work Plan for In-Situ Solidification for the Hempstead Intersection Street Former MGP Site, Appendix E, Final, URS 2008.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit.

NA - The sample was not analyzed for this parameter. ND - Not detected.

Made By_PRF 02/15/18_; Checked By_AMK 02/15/18_

Detection Limits shown are PQL

ATTACHMENT A
VALIDATED FORM 1'S

ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-03S	Lab ID: 7038591007	Collected: 12/20/17 08:35	Received: 12/21/17 16:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Acenaphthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 13:56	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	66	%	35-114	1	12/26/17 10:55	12/27/17 13:56	4165-60-0	
2-Fluorobiphenyl (S)	86	%	43-116	1	12/26/17 10:55	12/27/17 13:56	321-60-8	
p-Terphenyl-d14 (S)	65	%	33-141	1	12/26/17 10:55	12/27/17 13:56	1718-51-0	
Phenol-d5 (S)	32	%	10-110	1	12/26/17 10:55	12/27/17 13:56	4165-62-2	
2-Fluorophenol (S)	50	%	21-110	1	12/26/17 10:55	12/27/17 13:56	367-12-4	
2,4,6-Tribromophenol (S)	93	%	10-123	1	12/26/17 10:55	12/27/17 13:56	118-79-6	
2-Chlorophenol-d4 (S)	85	%	33-110	1	12/26/17 10:55	12/27/17 13:56	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	78	%	16-110	1	12/26/17 10:55	12/27/17 13:56	2199-69-1	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Benzene	<1.0	ug/L	1.0	1		12/28/17 10:45	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 10:45	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/28/17 10:45	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 10:45	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	68-153	1		12/28/17 10:45	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		12/28/17 10:45	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		12/28/17 10:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-031	Lab ID: 7038591008	Collected: 12/20/17 12:00	Received: 12/21/17 16:15	Matrix: Water					
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV									
Analytical Method: EPA 8270D					Preparation Method: EPA 3510C				
Acenaphthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	83-32-9		
Acenaphthylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	208-96-8		
Anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	120-12-7		
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	56-55-3		
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	50-32-8		
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	205-99-2		
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	191-24-2		
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	207-08-9		
Chrysene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	218-01-9		
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	53-70-3		
Fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	206-44-0		
Fluorene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	86-73-7		
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	193-39-5		
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	91-57-6		
Naphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	91-20-3		
Phenanthrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	85-01-8		
Pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:23	129-00-0		
Surrogates									
Nitrobenzene-d5 (S)	61	%	35-114	1	12/26/17 10:55	12/27/17 14:23	4165-60-0		
2-Fluorobiphenyl (S)	77	%	43-116	1	12/26/17 10:55	12/27/17 14:23	321-60-8		
p-Terphenyl-d14 (S)	68	%	33-141	1	12/26/17 10:55	12/27/17 14:23	1718-51-0		
Phenol-d5 (S)	30	%	10-110	1	12/26/17 10:55	12/27/17 14:23	4165-62-2		
2-Fluorophenol (S)	47	%	21-110	1	12/26/17 10:55	12/27/17 14:23	367-12-4		
2,4,6-Tribromophenol (S)	89	%	10-123	1	12/26/17 10:55	12/27/17 14:23	118-79-6		
2-Chlorophenol-d4 (S)	74	%	33-110	1	12/26/17 10:55	12/27/17 14:23	93951-73-6		
1,2-Dichlorobenzene-d4 (S)	71	%	16-110	1	12/26/17 10:55	12/27/17 14:23	2199-69-1		
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Benzene	<1.0	ug/L	1.0	1		12/28/17 11:03	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 11:03	100-41-4		
Toluene	<1.0	ug/L	1.0	1		12/28/17 11:03	108-88-3		
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 11:03	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	115	%	68-153	1		12/28/17 11:03	17060-07-0		
4-Bromofluorobenzene (S)	102	%	79-124	1		12/28/17 11:03	460-00-4		
Toluene-d8 (S)	99	%	69-124	1		12/28/17 11:03	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample:	Lab ID:	Collected:	Received:	Matrix:									
HIMW-03D	7038591009	12/20/17 09:35	12/21/17 16:15	Water	Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV					Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	83-32-9						
Acenaphthylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	208-96-8						
Anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	120-12-7						
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	56-55-3						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	50-32-8						
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	205-99-2						
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	191-24-2						
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	207-08-9						
Chrysene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	218-01-9						
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	53-70-3						
Fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	206-44-0						
Fluorene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	86-73-7						
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	193-39-5						
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	91-57-6						
Naphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	91-20-3						
Phenanthrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	85-01-8						
Pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 14:51	129-00-0						
Surrogates													
Nitrobenzene-d5 (S)	57	%	35-114	1	12/26/17 10:55	12/27/17 14:51	4165-60-0						
2-Fluorobiphenyl (S)	78	%	43-116	1	12/26/17 10:55	12/27/17 14:51	321-60-8						
p-Terphenyl-d14 (S)	74	%	33-141	1	12/26/17 10:55	12/27/17 14:51	1718-51-0						
Phenol-d5 (S)	28	%	10-110	1	12/26/17 10:55	12/27/17 14:51	4165-62-2						
2-Fluorophenol (S)	44	%	21-110	1	12/26/17 10:55	12/27/17 14:51	367-12-4						
2,4,6-Tribromophenol (S)	89	%	10-123	1	12/26/17 10:55	12/27/17 14:51	118-79-6						
2-Chlorophenol-d4 (S)	77	%	33-110	1	12/26/17 10:55	12/27/17 14:51	93951-73-6						
1,2-Dichlorobenzene-d4 (S)	72	%	16-110	1	12/26/17 10:55	12/27/17 14:51	2199-69-1						
8260C Volatile Organics					Analytical Method: EPA 8260C/5030C								
Benzene	<1.0	ug/L	1.0	1		12/28/17 11:21	71-43-2						
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 11:21	100-41-4						
Toluene	<1.0	ug/L	1.0	1		12/28/17 11:21	108-88-3						
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 11:21	1330-20-7						
Surrogates													
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/28/17 11:21	17060-07-0						
4-Bromofluorobenzene (S)	103	%	79-124	1		12/28/17 11:21	460-00-4						
Toluene-d8 (S)	98	%	69-124	1		12/28/17 11:21	2037-26-5						

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-05S Lab ID: 7039186004 Collected: 12/27/17 09:15 Received: 12/27/17 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 12:39	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	75	%	35-114	1	01/03/18 10:23	01/05/18 12:39	4165-60-0	
2-Fluorobiphenyl (S)	78	%	43-116	1	01/03/18 10:23	01/05/18 12:39	321-60-8	
p-Terphenyl-d14 (S)	43	%	33-141	1	01/03/18 10:23	01/05/18 12:39	1718-51-0	
Phenol-d5 (S)	32	%	10-110	1	01/03/18 10:23	01/05/18 12:39	4165-62-2	
2-Fluorophenol (S)	45	%	21-110	1	01/03/18 10:23	01/05/18 12:39	367-12-4	
2,4,6-Tribromophenol (S)	111	%	10-123	1	01/03/18 10:23	01/05/18 12:39	118-79-6	E
2-Chlorophenol-d4 (S)	75	%	33-110	1	01/03/18 10:23	01/05/18 12:39	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	72	%	16-110	1	01/03/18 10:23	01/05/18 12:39	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/31/17 18:47	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 18:47	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/31/17 18:47	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/31/17 18:47	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	83	%	68-153	1		12/31/17 18:47	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	1		12/31/17 18:47	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/31/17 18:47	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-051	Lab ID: 7039186005	Collected: 12/27/17 10:03	Received: 12/27/17 16:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	14.9	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	83-32-9	
Acenaphthylene	297 <i>D</i>	ug/L	250	50	01/03/18 10:23	01/08/18 17:51	208-96-8	
Anthracene	3.0J	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	206-44-0	
Fluorene	34.4	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	193-39-5	
2-Methylnaphthalene	330 <i>D</i>	ug/L	250	50	01/03/18 10:23	01/08/18 17:51	91-57-6	
Naphthalene	1710 <i>D</i>	ug/L	250	50	01/03/18 10:23	01/08/18 17:51	91-20-3	
Phenanthrene	21.8	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 13:35	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	84	%	35-114	1	01/03/18 10:23	01/05/18 13:35	4165-60-0	
2-Fluorobiphenyl (S)	82	%	43-116	1	01/03/18 10:23	01/05/18 13:35	321-60-8	
p-Terphenyl-d14 (S)	60	%	33-141	1	01/03/18 10:23	01/05/18 13:35	1718-51-0	
Phenol-d5 (S)	36	%	10-110	1	01/03/18 10:23	01/05/18 13:35	4165-62-2	
2-Fluorophenol (S)	52	%	21-110	1	01/03/18 10:23	01/05/18 13:35	367-12-4	
2,4,6-Tribromophenol (S)	115	%	10-123	1	01/03/18 10:23	01/05/18 13:35	118-79-6	E
2-Chlorophenol-d4 (S)	80	%	33-110	1	01/03/18 10:23	01/05/18 13:35	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	72	%	16-110	1	01/03/18 10:23	01/05/18 13:35	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/31/17 18:26	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 18:26	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/31/17 18:26	108-88-3	
Xylene (Total)	56.4	ug/L	2.0	1		12/31/17 18:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	79	%	68-153	1		12/31/17 18:26	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-124	1		12/31/17 18:26	460-00-4	
Toluene-d8 (S)	94	%	69-124	1		12/31/17 18:26	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample:	Lab ID:	Collected:	Received:	Matrix:									
HIMW-05D	7039186006	12/27/17 08:40	12/27/17 16:00	Water	Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV					Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	4.7J	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	83-32-9						
Acenaphthylene	68.2	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	208-96-8						
Anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	120-12-7						
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	56-55-3						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	50-32-8						
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	205-99-2						
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	191-24-2						
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	207-08-9						
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	218-01-9						
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	53-70-3						
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	206-44-0						
Fluorene	9.3	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	86-73-7						
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	193-39-5						
2-Methylnaphthalene	214J	ug/L	250	50	01/03/18 10:23	01/08/18 18:19	91-57-6						
Naphthalene	1550	ug/L	250	50	01/03/18 10:23	01/08/18 18:19	91-20-3						
Phenanthrene	1.0J	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	85-01-8						
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:30	129-00-0						
Surrogates													
Nitrobenzene-d5 (S)	87	%	35-114	1	01/03/18 10:23	01/05/18 14:30	4165-60-0						
2-Fluorobiphenyl (S)	85	%	43-116	1	01/03/18 10:23	01/05/18 14:30	321-60-8						
p-Terphenyl-d14 (S)	68	%	33-141	1	01/03/18 10:23	01/05/18 14:30	1718-51-0						
Phenol-d5 (S)	37	%	10-110	1	01/03/18 10:23	01/05/18 14:30	4165-62-2						
2-Fluorophenol (S)	53	%	21-110	1	01/03/18 10:23	01/05/18 14:30	367-12-4						
2,4,6-Tribromophenol (S)	118	%	10-123	1	01/03/18 10:23	01/05/18 14:30	118-79-6						E
2-Chlorophenol-d4 (S)	84	%	33-110	1	01/03/18 10:23	01/05/18 14:30	93951-73-6						
1,2-Dichlorobenzene-d4 (S)	75	%	16-110	1	01/03/18 10:23	01/05/18 14:30	2199-69-1						
8260C Volatile Organics					Analytical Method: EPA 8260C/5030C								
Benzene	3.1	ug/L	1.0	1		12/31/17 18:06	71-43-2						
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 18:06	100-41-4						
Toluene	2.8	ug/L	1.0	1		12/31/17 18:06	108-88-3						
Xylene (Total)	57.4	ug/L	2.0	1		12/31/17 18:06	1330-20-7						
Surrogates													
1,2-Dichloroethane-d4 (S)	82	%	68-153	1		12/31/17 18:06	17060-07-0						
4-Bromofluorobenzene (S)	94	%	79-124	1		12/31/17 18:06	460-00-4						
Toluene-d8 (S)	98	%	69-124	1		12/31/17 18:06	2037-26-5						

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-08S Lab ID: 7039186003 Collected: 12/26/17 14:15 Received: 12/27/17 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	83-32-9	R1
Acenaphthylene	1.6J	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	208-96-8	R1
Anthracene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	120-12-7	R1
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	56-55-3	R1
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	50-32-8	R1
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	205-99-2	R1
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	191-24-2	R1
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	207-08-9	R1
Chrysene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	218-01-9	R1
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	53-70-3	R1
Fluoranthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	206-44-0	R1
Fluorene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	86-73-7	R1
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	193-39-5	R1
2-Methylnaphthalene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	91-57-6	R1
Naphthalene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	91-20-3	R1
Phenanthrene	3.6J	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	85-01-8	R1
Pyrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 21:04	129-00-0	R1

Surrogates

Nitrobenzene-d5 (S)	83	%	35-114	1	01/02/18 16:48	01/03/18 21:04	4165-60-0	
2-Fluorobiphenyl (S)	82	%	43-116	1	01/02/18 16:48	01/03/18 21:04	321-60-8	
p-Terphenyl-d14 (S)	92	%	33-141	1	01/02/18 16:48	01/03/18 21:04	1718-51-0	
Phenol-d5 (S)	25	%	10-110	1	01/02/18 16:48	01/03/18 21:04	4165-62-2	
2-Fluorophenol (S)	36	%	21-110	1	01/02/18 16:48	01/03/18 21:04	367-12-4	
2,4,6-Tribromophenol (S)	105	%	10-123	1	01/02/18 16:48	01/03/18 21:04	118-79-6	
2-Chlorophenol-d4 (S)	72	%	33-110	1	01/02/18 16:48	01/03/18 21:04	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	67	%	16-110	1	01/02/18 16:48	01/03/18 21:04	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	25.0	ug/L	1.0	1		12/31/17 22:32	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 22:32	100-41-4	
Toluene	2.7	ug/L	1.0	1		12/31/17 22:32	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/31/17 22:32	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	80	%	68-153	1		12/31/17 22:32	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-124	1		12/31/17 22:32	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/31/17 22:32	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-081	Lab ID: 7039186002	Collected: 12/26/17 12:55	Received: 12/27/17 16:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:37	129-00-0	

Surrogates

Nitrobenzene-d5 (S)	83	%	35-114	1	01/02/18 16:48	01/03/18 20:37	4165-60-0	
2-Fluorobiphenyl (S)	81	%	43-116	1	01/02/18 16:48	01/03/18 20:37	321-60-8	
p-Terphenyl-d14 (S)	97	%	33-141	1	01/02/18 16:48	01/03/18 20:37	1718-51-0	
Phenol-d5 (S)	19	%	10-110	1	01/02/18 16:48	01/03/18 20:37	4165-62-2	
2-Fluorophenol (S)	29	%	21-110	1	01/02/18 16:48	01/03/18 20:37	367-12-4	
2,4,6-Tribromophenol (S)	96	%	10-123	1	01/02/18 16:48	01/03/18 20:37	118-79-6	
2-Chlorophenol-d4 (S)	66	%	33-110	1	01/02/18 16:48	01/03/18 20:37	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	74	%	16-110	1	01/02/18 16:48	01/03/18 20:37	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/31/17 19:07	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 19:07	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/31/17 19:07	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/31/17 19:07	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	79	%	68-153	1		12/31/17 19:07	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	1		12/31/17 19:07	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/31/17 19:07	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-08D	Lab ID: 7039186001	Collected: 12/26/17 11:35	Received: 12/27/17 16:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/02/18 16:48	01/03/18 20:10	129-00-0	

Surrogates

Nitrobenzene-d5 (S)	80	%	35-114	1	01/02/18 16:48	01/03/18 20:10	4165-60-0	
2-Fluorobiphenyl (S)	83	%	43-116	1	01/02/18 16:48	01/03/18 20:10	321-60-8	
p-Terphenyl-d14 (S)	95	%	33-141	1	01/02/18 16:48	01/03/18 20:10	1718-51-0	
Phenol-d5 (S)	24	%	10-110	1	01/02/18 16:48	01/03/18 20:10	4165-62-2	
2-Fluorophenol (S)	35	%	21-110	1	01/02/18 16:48	01/03/18 20:10	367-12-4	
2,4,6-Tribromophenol (S)	106	%	10-123	1	01/02/18 16:48	01/03/18 20:10	118-79-6	
2-Chlorophenol-d4 (S)	68	%	33-110	1	01/02/18 16:48	01/03/18 20:10	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	66	%	16-110	1	01/02/18 16:48	01/03/18 20:10	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/31/17 19:28	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 19:28	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/31/17 19:28	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/31/17 19:28	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	82	%	68-153	1		12/31/17 19:28	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	1		12/31/17 19:28	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		12/31/17 19:28	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-12S	Lab ID: 7038591016	Collected: 12/22/17 09:05	Received: 12/22/17 13:48	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	83-32-9	M1
Acenaphthylene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	208-96-8	M1
Anthracene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	86-73-7	M1
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	91-20-3	M1
Phenanthrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 13:25	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	78	%	35-114	1	12/29/17 14:25	01/03/18 13:25	4165-60-0	
2-Fluorobiphenyl (S)	80	%	43-116	1	12/29/17 14:25	01/03/18 13:25	321-60-8	
p-Terphenyl-d14 (S)	91	%	33-141	1	12/29/17 14:25	01/03/18 13:25	1718-51-0	
Phenol-d5 (S)	15	%	10-110	1	12/29/17 14:25	01/03/18 13:25	4165-62-2	
2-Fluorophenol (S)	25	%	21-110	1	12/29/17 14:25	01/03/18 13:25	367-12-4	
2,4,6-Tribromophenol (S)	93	%	10-123	1	12/29/17 14:25	01/03/18 13:25	118-79-6	
2-Chlorophenol-d4 (S)	61	%	33-110	1	12/29/17 14:25	01/03/18 13:25	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	74	%	16-110	1	12/29/17 14:25	01/03/18 13:25	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/28/17 13:10	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 13:10	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/28/17 13:10	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 13:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	68-153	1		12/28/17 13:10	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/28/17 13:10	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		12/28/17 13:10	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-13S	Lab ID: 7038591004	Collected: 12/19/17 12:00	Received: 12/19/17 16:05	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Acenaphthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:58	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	75	%	35-114	1	12/21/17 13:45	12/22/17 14:58	4165-60-0	
2-Fluorobiphenyl (S)	80	%	43-116	1	12/21/17 13:45	12/22/17 14:58	321-60-8	
p-Terphenyl-d14 (S)	79	%	33-141	1	12/21/17 13:45	12/22/17 14:58	1718-51-0	
Phenol-d5 (S)	33	%	10-110	1	12/21/17 13:45	12/22/17 14:58	4165-62-2	
2-Fluorophenol (S)	49	%	21-110	1	12/21/17 13:45	12/22/17 14:58	367-12-4	
2,4,6-Tribromophenol (S)	93	%	10-123	1	12/21/17 13:45	12/22/17 14:58	118-79-6	
2-Chlorophenol-d4 (S)	77	%	33-110	1	12/21/17 13:45	12/22/17 14:58	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	74	%	16-110	1	12/21/17 13:45	12/22/17 14:58	2199-69-1	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Benzene	<1.0	ug/L	1.0	1		12/23/17 00:18	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/23/17 00:18	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/23/17 00:18	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/23/17 00:18	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	68-153	1		12/23/17 00:18	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/23/17 00:18	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/23/17 00:18	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-131	Lab ID: 7038591011	Collected: 12/21/17 09:10	Received: 12/21/17 16:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Acenaphthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 16:44	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	66	%	35-114	1	12/26/17 10:55	12/27/17 16:44	4165-60-0	
2-Fluorobiphenyl (S)	81	%	43-116	1	12/26/17 10:55	12/27/17 16:44	321-60-8	
p-Terphenyl-d14 (S)	78	%	33-141	1	12/26/17 10:55	12/27/17 16:44	1718-51-0	
Phenol-d5 (S)	24	%	10-110	1	12/26/17 10:55	12/27/17 16:44	4165-62-2	
2-Fluorophenol (S)	38	%	21-110	1	12/26/17 10:55	12/27/17 16:44	367-12-4	
2,4,6-Tribromophenol (S)	97	%	10-123	1	12/26/17 10:55	12/27/17 16:44	118-79-6	
2-Chlorophenol-d4 (S)	76	%	33-110	1	12/26/17 10:55	12/27/17 16:44	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	68	%	16-110	1	12/26/17 10:55	12/27/17 16:44	2199-69-1	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Benzene	0.43J	ug/L	1.0	1		12/28/17 11:57	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 11:57	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/28/17 11:57	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 11:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	68-153	1		12/28/17 11:57	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/28/17 11:57	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/28/17 11:57	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-13D	Lab ID: 7038591012	Collected: 12/21/17 10:40	Received: 12/21/17 16:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Acenaphthene	4.7J	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	83-32-9	
Acenaphthylene	10	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 17:12	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	61	%	35-114	1	12/26/17 10:55	12/27/17 17:12	4165-60-0	
2-Fluorobiphenyl (S)	76	%	43-116	1	12/26/17 10:55	12/27/17 17:12	321-60-8	
p-Terphenyl-d14 (S)	74	%	33-141	1	12/26/17 10:55	12/27/17 17:12	1718-51-0	
Phenol-d5 (S)	25	%	10-110	1	12/26/17 10:55	12/27/17 17:12	4165-62-2	
2-Fluorophenol (S)	39	%	21-110	1	12/26/17 10:55	12/27/17 17:12	367-12-4	
2,4,6-Tribromophenol (S)	92	%	10-123	1	12/26/17 10:55	12/27/17 17:12	118-79-6	
2-Chlorophenol-d4 (S)	63	%	33-110	1	12/26/17 10:55	12/27/17 17:12	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	70	%	16-110	1	12/26/17 10:55	12/27/17 17:12	2199-69-1	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Benzene	1.3	ug/L	1.0	1		12/28/17 12:15	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 12:15	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/28/17 12:15	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 12:15	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/28/17 12:15	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/28/17 12:15	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/28/17 12:15	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: DUP20171221 Lab ID: 7038591014 Collected: 12/21/17 12:00 Received: 12/21/17 16:15 Matrix: Water
Parameters (H1MW-13D) Results Units Report Limit DF Prepared Analyzed CAS No. Qual

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Acenaphthene	4.6J	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	83-32-9	
Acenaphthylene	9.9	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 14:18	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	47	%	35-114	1	12/28/17 17:18	12/29/17 14:18	4165-60-0	
2-Fluorobiphenyl (S)	69	%	43-116	1	12/28/17 17:18	12/29/17 14:18	321-60-8	
p-Terphenyl-d14 (S)	80	%	33-141	1	12/28/17 17:18	12/29/17 14:18	1718-51-0	
Phenol-d5 (S)	14	%	10-110	1	12/28/17 17:18	12/29/17 14:18	4165-62-2	
2-Fluorophenol (S)	23	%	21-110	1	12/28/17 17:18	12/29/17 14:18	367-12-4	
2,4,6-Tribromophenol (S)	86	%	10-123	1	12/28/17 17:18	12/29/17 14:18	118-79-6	
2-Chlorophenol-d4 (S)	53	%	33-110	1	12/28/17 17:18	12/29/17 14:18	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	52	%	16-110	1	12/28/17 17:18	12/29/17 14:18	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Benzene	1.4	ug/L	1.0	1		12/28/17 12:51	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 12:51	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/28/17 12:51	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 12:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/28/17 12:51	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		12/28/17 12:51	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/28/17 12:51	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-14I Lab ID: 7038591010 Collected: 12/20/17 14:05 Received: 12/21/17 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	8.2	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	83-32-9	
Acenaphthylene	11.1	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	208-96-8	
Anthracene	0.64J	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	206-44-0	
Fluorene	3.1J	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	91-20-3	
Phenanthrene	2.8J	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/26/17 10:55	12/27/17 15:19	129-00-0	

Surrogates

Nitrobenzene-d5 (S)	66	%	35-114	1	12/26/17 10:55	12/27/17 15:19	4165-60-0	
2-Fluorobiphenyl (S)	87	%	43-116	1	12/26/17 10:55	12/27/17 15:19	321-60-8	
p-Terphenyl-d14 (S)	79	%	33-141	1	12/26/17 10:55	12/27/17 15:19	1718-51-0	
Phenol-d5 (S)	27	%	10-110	1	12/26/17 10:55	12/27/17 15:19	4165-62-2	
2-Fluorophenol (S)	45	%	21-110	1	12/26/17 10:55	12/27/17 15:19	367-12-4	
2,4,6-Tribromophenol (S)	103	%	10-123	1	12/26/17 10:55	12/27/17 15:19	118-79-6	
2-Chlorophenol-d4 (S)	81	%	33-110	1	12/26/17 10:55	12/27/17 15:19	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	76	%	16-110	1	12/26/17 10:55	12/27/17 15:19	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	2.4 J	ug/L	1.0	1		12/28/17 11:39	71-43-2	D6
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 11:39	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/28/17 11:39	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 11:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	68-153	1		12/28/17 11:39	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		12/28/17 11:39	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		12/28/17 11:39	2037-26-5	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample:	Lab ID:	Collected:	Received:	Matrix:									
HIMW-14D	7038591013	12/21/17 13:12	12/21/17 16:15	Water	Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV					Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	83-32-9						
Acenaphthylene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	208-96-8						
Anthracene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	120-12-7						
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	56-55-3						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	50-32-8						
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	205-99-2						
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	191-24-2						
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	207-08-9						
Chrysene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	218-01-9						
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	53-70-3						
Fluoranthene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	206-44-0						
Fluorene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	86-73-7						
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	193-39-5						
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	91-57-6						
Naphthalene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	91-20-3						
Phenanthrene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	85-01-8						
Pyrene	<5.0	ug/L	5.0	1	12/28/17 17:18	12/29/17 13:50	129-00-0						
Surrogates													
Nitrobenzene-d5 (S)	49	%	35-114	1	12/28/17 17:18	12/29/17 13:50	4165-60-0						
2-Fluorobiphenyl (S)	64	%	43-116	1	12/28/17 17:18	12/29/17 13:50	321-60-8						
p-Terphenyl-d14 (S)	64	%	33-141	1	12/28/17 17:18	12/29/17 13:50	1718-51-0						
Phenol-d5 (S)	9	%	10-110	1	12/28/17 17:18	12/29/17 13:50	4165-62-2						S0
2-Fluorophenol (S)	16	%	21-110	1	12/28/17 17:18	12/29/17 13:50	367-12-4						S0
2,4,6-Tribromophenol (S)	77	%	10-123	1	12/28/17 17:18	12/29/17 13:50	118-79-6						
2-Chlorophenol-d4 (S)	40	%	33-110	1	12/28/17 17:18	12/29/17 13:50	93951-73-6						
1,2-Dichlorobenzene-d4 (S)	49	%	16-110	1	12/28/17 17:18	12/29/17 13:50	2199-69-1						
8260C Volatile Organics					Analytical Method: EPA 8260C/5030C								
Benzene	<1.0	ug/L	1.0	1		12/28/17 12:33	71-43-2						
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 12:33	100-41-4						
Toluene	<1.0	ug/L	1.0	1		12/28/17 12:33	108-88-3						
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 12:33	1330-20-7						
Surrogates													
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/28/17 12:33	17060-07-0						
4-Bromofluorobenzene (S)	103	%	79-124	1		12/28/17 12:33	460-00-4						
Toluene-d8 (S)	98	%	69-124	1		12/28/17 12:33	2037-26-5						

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-151	Lab ID: 7038591002	Collected: 12/19/17 08:45	Received: 12/19/17 16:05	Matrix: Water					
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Acenaphthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	83-32-9		
Acenaphthylene	5.4	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	208-96-8		
Anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	120-12-7		
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	56-55-3		
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	50-32-8		
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	205-99-2		
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	191-24-2		
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	207-08-9		
Chrysene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	218-01-9		
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	53-70-3		
Fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	206-44-0		
Fluorene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	86-73-7		
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	193-39-5		
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	91-57-6		
Naphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	91-20-3		
Phenanthrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	85-01-8		
Pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:34	129-00-0		
Surrogates									
Nitrobenzene-d5 (S)	73	%	35-114	1	12/21/17 13:45	12/22/17 13:34	4165-60-0		
2-Fluorobiphenyl (S)	76	%	43-116	1	12/21/17 13:45	12/22/17 13:34	321-60-8		
p-Terphenyl-d14 (S)	67	%	33-141	1	12/21/17 13:45	12/22/17 13:34	1718-51-0		
Phenol-d5 (S)	30	%	10-110	1	12/21/17 13:45	12/22/17 13:34	4165-62-2		
2-Fluorophenol (S)	44	%	21-110	1	12/21/17 13:45	12/22/17 13:34	367-12-4		
2,4,6-Tribromophenol (S)	91	%	10-123	1	12/21/17 13:45	12/22/17 13:34	118-79-6		
2-Chlorophenol-d4 (S)	72	%	33-110	1	12/21/17 13:45	12/22/17 13:34	93951-73-6		
1,2-Dichlorobenzene-d4 (S)	67	%	16-110	1	12/21/17 13:45	12/22/17 13:34	2199-69-1		
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Benzene	3.9	ug/L	1.0	1		12/23/17 01:49	71-43-2		
Ethylbenzene	<1.0	ug/L	1.0	1		12/23/17 01:49	100-41-4		
Toluene	<1.0	ug/L	1.0	1		12/23/17 01:49	108-88-3		
Xylene (Total)	<2.0	ug/L	2.0	1		12/23/17 01:49	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	114	%	68-153	1		12/23/17 01:49	17060-07-0		
4-Bromofluorobenzene (S)	104	%	79-124	1		12/23/17 01:49	460-00-4		
Toluene-d8 (S)	100	%	69-124	1		12/23/17 01:49	2037-26-5		

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-15D Lab ID: 7038591003 Collected: 12/19/17 09:55 Received: 12/19/17 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 14:30	129-00-0	

Surrogates

Nitrobenzene-d5 (S)	76	%	35-114	1	12/21/17 13:45	12/22/17 14:30	4165-60-0	
2-Fluorobiphenyl (S)	80	%	43-116	1	12/21/17 13:45	12/22/17 14:30	321-60-8	
p-Terphenyl-d14 (S)	76	%	33-141	1	12/21/17 13:45	12/22/17 14:30	1718-51-0	
Phenol-d5 (S)	31	%	10-110	1	12/21/17 13:45	12/22/17 14:30	4165-62-2	
2-Fluorophenol (S)	46	%	21-110	1	12/21/17 13:45	12/22/17 14:30	367-12-4	
2,4,6-Tribromophenol (S)	92	%	10-123	1	12/21/17 13:45	12/22/17 14:30	118-79-6	
2-Chlorophenol-d4 (S)	76	%	33-110	1	12/21/17 13:45	12/22/17 14:30	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	72	%	16-110	1	12/21/17 13:45	12/22/17 14:30	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/23/17 00:00	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/23/17 00:00	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/23/17 00:00	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/23/17 00:00	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	68-153	1		12/23/17 00:00	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/23/17 00:00	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		12/23/17 00:00	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-20S	Lab ID: 7039186007	Collected: 12/27/17 11:50	Received: 12/27/17 16:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 14:57	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	84	%	35-114	1	01/03/18 10:23	01/05/18 14:57	4165-60-0	
2-Fluorobiphenyl (S)	83	%	43-116	1	01/03/18 10:23	01/05/18 14:57	321-60-8	
p-Terphenyl-d14 (S)	71	%	33-141	1	01/03/18 10:23	01/05/18 14:57	1718-51-0	
Phenol-d5 (S)	33	%	10-110	1	01/03/18 10:23	01/05/18 14:57	4165-62-2	
2-Fluorophenol (S)	48	%	21-110	1	01/03/18 10:23	01/05/18 14:57	367-12-4	
2,4,6-Tribromophenol (S)	107	%	10-123	1	01/03/18 10:23	01/05/18 14:57	118-79-6	E
2-Chlorophenol-d4 (S)	79	%	33-110	1	01/03/18 10:23	01/05/18 14:57	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	78	%	16-110	1	01/03/18 10:23	01/05/18 14:57	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/31/17 17:46	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 17:46	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/31/17 17:46	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/31/17 17:46	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	82	%	68-153	1		12/31/17 17:46	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124	1		12/31/17 17:46	460-00-4	
Toluene-d8 (S)	92	%	69-124	1		12/31/17 17:46	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-201 Lab ID: 7039186008 Collected: 12/27/17 11:55 Received: 12/27/17 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	13.6	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	83-32-9	
Acenaphthylene	225	ug/L	50.0	10	01/03/18 10:23	01/08/18 16:29	208-96-8	
Anthracene	3.3J	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	206-44-0	
Fluorene	25.1	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	193-39-5	
2-Methylnaphthalene	9.8	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	91-57-6	
Naphthalene	158	ug/L	50.0	10	01/03/18 10:23	01/08/18 16:29	91-20-3	
Phenanthrene	30.2	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:25	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	89	%	35-114	1	01/03/18 10:23	01/05/18 15:25	4165-60-0	
2-Fluorobiphenyl (S)	93	%	43-116	1	01/03/18 10:23	01/05/18 15:25	321-60-8	
p-Terphenyl-d14 (S)	70	%	33-141	1	01/03/18 10:23	01/05/18 15:25	1718-51-0	
Phenol-d5 (S)	35	%	10-110	1	01/03/18 10:23	01/05/18 15:25	4165-62-2	
2-Fluorophenol (S)	54	%	21-110	1	01/03/18 10:23	01/05/18 15:25	367-12-4	
2,4,6-Tribromophenol (S)	124	%	10-123	1	01/03/18 10:23	01/05/18 15:25	118-79-6	E,S0
2-Chlorophenol-d4 (S)	84	%	33-110	1	01/03/18 10:23	01/05/18 15:25	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	77	%	16-110	1	01/03/18 10:23	01/05/18 15:25	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	3.9	ug/L	1.0	1		12/31/17 17:25	71-43-2	
Ethylbenzene	28.3	ug/L	1.0	1		12/31/17 17:25	100-41-4	
Toluene	2.6	ug/L	1.0	1		12/31/17 17:25	108-88-3	
Xylene (Total)	153	ug/L	2.0	1		12/31/17 17:25	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	81	%	68-153	1		12/31/17 17:25	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-124	1		12/31/17 17:25	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		12/31/17 17:25	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-22 Lab ID: 7038591005 Collected: 12/19/17 14:25 Received: 12/19/17 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 15:25	129-00-0	

Surrogates

Nitrobenzene-d5 (S)	79	%	35-114	1	12/21/17 13:45	12/22/17 15:25	4165-60-0	
2-Fluorobiphenyl (S)	84	%	43-116	1	12/21/17 13:45	12/22/17 15:25	321-60-8	
p-Terphenyl-d14 (S)	84	%	33-141	1	12/21/17 13:45	12/22/17 15:25	1718-51-0	
Phenol-d5 (S)	30	%	10-110	1	12/21/17 13:45	12/22/17 15:25	4165-62-2	
2-Fluorophenol (S)	46	%	21-110	1	12/21/17 13:45	12/22/17 15:25	367-12-4	
2,4,6-Tribromophenol (S)	99	%	10-123	1	12/21/17 13:45	12/22/17 15:25	118-79-6	
2-Chlorophenol-d4 (S)	80	%	33-110	1	12/21/17 13:45	12/22/17 15:25	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	79	%	16-110	1	12/21/17 13:45	12/22/17 15:25	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/23/17 00:36	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/23/17 00:36	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/23/17 00:36	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/23/17 00:36	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/23/17 00:36	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		12/23/17 00:36	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/23/17 00:36	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-23 Lab ID: 7038591001 Collected: 12/18/17 14:22 Received: 12/19/17 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/21/17 13:45	12/22/17 13:07	129-00-0	

Surrogates

Nitrobenzene-d5 (S)	77	%	35-114	1	12/21/17 13:45	12/22/17 13:07	4165-60-0	
2-Fluorobiphenyl (S)	80	%	43-116	1	12/21/17 13:45	12/22/17 13:07	321-60-8	
p-Terphenyl-d14 (S)	79	%	33-141	1	12/21/17 13:45	12/22/17 13:07	1718-51-0	
Phenol-d5 (S)	32	%	10-110	1	12/21/17 13:45	12/22/17 13:07	4165-62-2	
2-Fluorophenol (S)	48	%	21-110	1	12/21/17 13:45	12/22/17 13:07	367-12-4	
2,4,6-Tribromophenol (S)	92	%	10-123	1	12/21/17 13:45	12/22/17 13:07	118-79-6	
2-Chlorophenol-d4 (S)	76	%	33-110	1	12/21/17 13:45	12/22/17 13:07	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	72	%	16-110	1	12/21/17 13:45	12/22/17 13:07	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/22/17 22:48	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/22/17 22:48	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/22/17 22:48	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/22/17 22:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	68-153	1		12/22/17 22:48	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/22/17 22:48	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/22/17 22:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Sample: HIMW-24 Lab ID: 7038591017 Collected: 12/22/17 10:35 Received: 12/22/17 13:48 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 14:19	129-00-0	

Surrogates

Nitrobenzene-d5 (S)	76	%	35-114	1	12/29/17 14:25	01/03/18 14:19	4165-60-0	
2-Fluorobiphenyl (S)	76	%	43-116	1	12/29/17 14:25	01/03/18 14:19	321-60-8	
p-Terphenyl-d14 (S)	88	%	33-141	1	12/29/17 14:25	01/03/18 14:19	1718-51-0	
Phenol-d5 (S)	15	%	10-110	1	12/29/17 14:25	01/03/18 14:19	4165-62-2	
2-Fluorophenol (S)	25	%	21-110	1	12/29/17 14:25	01/03/18 14:19	367-12-4	
2,4,6-Tribromophenol (S)	88	%	10-123	1	12/29/17 14:25	01/03/18 14:19	118-79-6	
2-Chlorophenol-d4 (S)	59	%	33-110	1	12/29/17 14:25	01/03/18 14:19	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	68	%	16-110	1	12/29/17 14:25	01/03/18 14:19	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/28/17 13:27	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 13:27	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/28/17 13:27	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 13:27	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/28/17 13:27	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/28/17 13:27	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/28/17 13:27	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	2.6J	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	83-32-9	
Acenaphthylene	27.2	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	206-44-0	
Fluorene	3.1J	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	193-39-5	
2-Methylnaphthalene	13.8	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	91-57-6	
Naphthalene	460 D	ug/L	50.0	10	12/29/17 14:25	01/03/18 16:32	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	12/29/17 14:25	01/03/18 15:14	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	66	%	35-114	1	12/29/17 14:25	01/03/18 15:14	4165-60-0	
2-Fluorobiphenyl (S)	69	%	43-116	1	12/29/17 14:25	01/03/18 15:14	321-60-8	
p-Terphenyl-d14 (S)	89	%	33-141	1	12/29/17 14:25	01/03/18 15:14	1718-51-0	
Phenol-d5 (S)	17	%	10-110	1	12/29/17 14:25	01/03/18 15:14	4165-62-2	
2-Fluorophenol (S)	26	%	21-110	1	12/29/17 14:25	01/03/18 15:14	367-12-4	
2,4,6-Tribromophenol (S)	96	%	10-123	1	12/29/17 14:25	01/03/18 15:14	118-79-6	
2-Chlorophenol-d4 (S)	55	%	33-110	1	12/29/17 14:25	01/03/18 15:14	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	60	%	16-110	1	12/29/17 14:25	01/03/18 15:14	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	591 D	ug/L	10.0	10		12/28/17 14:21	71-43-2	
Ethylbenzene	17.4	ug/L	1.0	1		12/28/17 13:45	100-41-4	
Toluene	3.5	ug/L	1.0	1		12/28/17 13:45	108-88-3	
Xylene (Total)	217	ug/L	2.0	1		12/28/17 13:45	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	121	%	68-153	1		12/28/17 13:45	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/28/17 13:45	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/28/17 13:45	2037-26-5	

2/14/18

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample:	Lab ID:	Collected:	Received:	Matrix:									
HIMW-261	7039186013	12/28/17 09:20	12/28/17 14:11	Water	Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV					Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	83-32-9						
Acenaphthylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	208-96-8						
Anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	120-12-7						
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	56-55-3						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	50-32-8						
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	205-99-2						
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	191-24-2						
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	207-08-9						
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	218-01-9						
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	53-70-3						
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	206-44-0						
Fluorene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	86-73-7						
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	193-39-5						
2-Methylnaphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	91-57-6						
Naphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	91-20-3						
Phenanthrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	85-01-8						
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:14	129-00-0						
Surrogates													
Nitrobenzene-d5 (S)	74	%	35-114	1	01/03/18 10:23	01/05/18 17:14	4165-60-0						
2-Fluorobiphenyl (S)	77	%	43-116	1	01/03/18 10:23	01/05/18 17:14	321-60-8						
p-Terphenyl-d14 (S)	79	%	33-141	1	01/03/18 10:23	01/05/18 17:14	1718-51-0						
Phenol-d5 (S)	28	%	10-110	1	01/03/18 10:23	01/05/18 17:14	4165-62-2						
2-Fluorophenol (S)	42	%	21-110	1	01/03/18 10:23	01/05/18 17:14	367-12-4						
2,4,6-Tribromophenol (S)	109	%	10-123	1	01/03/18 10:23	01/05/18 17:14	118-79-6						E
2-Chlorophenol-d4 (S)	73	%	33-110	1	01/03/18 10:23	01/05/18 17:14	93951-73-6						
1,2-Dichlorobenzene-d4 (S)	68	%	16-110	1	01/03/18 10:23	01/05/18 17:14	2199-69-1						
8260C Volatile Organics					Analytical Method: EPA 8260C/5030C								
Benzene	<1.0	ug/L	1.0	1		12/31/17 22:11	71-43-2						
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 22:11	100-41-4						
Toluene	<1.0	ug/L	1.0	1		12/31/17 22:11	108-88-3						
Xylene (Total)	<2.0	ug/L	2.0	1		12/31/17 22:11	1330-20-7						
Surrogates													
1,2-Dichloroethane-d4 (S)	83	%	68-153	1		12/31/17 22:11	17060-07-0						
4-Bromofluorobenzene (S)	96	%	79-124	1		12/31/17 22:11	460-00-4						
Toluene-d8 (S)	97	%	69-124	1		12/31/17 22:11	2037-26-5						

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-26D	Lab ID: 7039186012	Collected: 12/28/17 08:55	Received: 12/28/17 14:11	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	7.1	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	83-32-9	
Acenaphthylene	137J	ug/L	250	50	01/03/18 10:23	01/08/18 18:46	208-96-8	
Anthracene	1.2J	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	206-44-0	
Fluorene	18.6	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	193-39-5	
2-Methylnaphthalene	257	ug/L	250	50	01/03/18 10:23	01/08/18 18:46	91-57-6	
Naphthalene	1700	ug/L	250	50	01/03/18 10:23	01/08/18 18:46	91-20-3	
Phenanthrene	16.8	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:47	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	89	%	35-114	1	01/03/18 10:23	01/05/18 16:47	4165-60-0	
2-Fluorobiphenyl (S)	90	%	43-116	1	01/03/18 10:23	01/05/18 16:47	321-60-8	
p-Terphenyl-d14 (S)	65	%	33-141	1	01/03/18 10:23	01/05/18 16:47	1718-51-0	
Phenol-d5 (S)	36	%	10-110	1	01/03/18 10:23	01/05/18 16:47	4165-62-2	
2-Fluorophenol (S)	54	%	21-110	1	01/03/18 10:23	01/05/18 16:47	367-12-4	
2,4,6-Tribromophenol (S)	123	%	10-123	1	01/03/18 10:23	01/05/18 16:47	118-79-6	E
2-Chlorophenol-d4 (S)	86	%	33-110	1	01/03/18 10:23	01/05/18 16:47	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	77	%	16-110	1	01/03/18 10:23	01/05/18 16:47	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/31/17 21:51	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 21:51	100-41-4	
Toluene	2.3	ug/L	1.0	1		12/31/17 21:51	108-88-3	
Xylene (Total)	103	ug/L	2.0	1		12/31/17 21:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	92	%	68-153	1		12/31/17 21:51	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	1		12/31/17 21:51	460-00-4	
Toluene-d8 (S)	96	%	69-124	1		12/31/17 21:51	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: DUP20171228 Lab ID: 7039186016 Collected: 12/28/17 08:00 Received: 12/28/17 14:11 Matrix: Water
Parameters (HIMW-260) Results Units Report Limit DF Prepared Analyzed CAS No. Qual

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Acenaphthene	7.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	83-32-9	
Acenaphthylene	142J	ug/L	250	50	01/03/18 10:23	01/08/18 19:42	208-96-8	
Anthracene	1.3J	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	206-44-0	
Fluorene	18.3	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	193-39-5	
2-Methylnaphthalene	299	ug/L	250	50	01/03/18 10:23	01/08/18 19:42	91-57-6	
Naphthalene	1830	ug/L	250	50	01/03/18 10:23	01/08/18 19:42	91-20-3	
Phenanthrene	16.6	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:37	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	100	%	35-114	1	01/03/18 10:23	01/05/18 18:37	4165-60-0	
2-Fluorobiphenyl (S)	102	%	43-116	1	01/03/18 10:23	01/05/18 18:37	321-60-8	
p-Terphenyl-d14 (S)	56	%	33-141	1	01/03/18 10:23	01/05/18 18:37	1718-51-0	
Phenol-d5 (S)	39	%	10-110	1	01/03/18 10:23	01/05/18 18:37	4165-62-2	
2-Fluorophenol (S)	57	%	21-110	1	01/03/18 10:23	01/05/18 18:37	367-12-4	
2,4,6-Tribromophenol (S)	120	%	10-123	1	01/03/18 10:23	01/05/18 18:37	118-79-6	E
2-Chlorophenol-d4 (S)	89	%	33-110	1	01/03/18 10:23	01/05/18 18:37	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	73	%	16-110	1	01/03/18 10:23	01/05/18 18:37	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Benzene	<1.0	ug/L	1.0	1		01/02/18 16:46	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		01/02/18 16:46	100-41-4	
Toluene	2.2	ug/L	1.0	1		01/02/18 16:46	108-88-3	
Xylene (Total)	97.1	ug/L	2.0	1		01/02/18 16:46	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	84	%	68-153	1		01/02/18 16:46	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-124	1		01/02/18 16:46	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		01/02/18 16:46	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-27S **Lab ID:** 7039186014 **Collected:** 12/28/17 11:50 **Received:** 12/28/17 14:11 **Matrix:** Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	117J D	ug/L	250	50	01/03/18 10:23	01/08/18 19:14	83-32-9	
Acenaphthylene	5.9	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	208-96-8	
Anthracene	11.9	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	53-70-3	
Fluoranthene	3.1J	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	206-44-0	
Fluorene	57.3	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	193-39-5	
2-Methylnaphthalene	259 D	ug/L	250	50	01/03/18 10:23	01/08/18 19:14	91-57-6	
Naphthalene	1300 D	ug/L	250	50	01/03/18 10:23	01/08/18 19:14	91-20-3	
Phenanthrene	65.8	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	85-01-8	
Pyrene	4.1J	ug/L	5.0	1	01/03/18 10:23	01/05/18 17:42	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	86	%	35-114	1	01/03/18 10:23	01/05/18 17:42	4165-60-0	
2-Fluorobiphenyl (S)	91	%	43-116	1	01/03/18 10:23	01/05/18 17:42	321-60-8	
p-Terphenyl-d14 (S)	88	%	33-141	1	01/03/18 10:23	01/05/18 17:42	1718-51-0	
Phenol-d5 (S)	34	%	10-110	1	01/03/18 10:23	01/05/18 17:42	4165-62-2	
2-Fluorophenol (S)	57	%	21-110	1	01/03/18 10:23	01/05/18 17:42	367-12-4	
2,4,6-Tribromophenol (S)	115	%	10-123	1	01/03/18 10:23	01/05/18 17:42	118-79-6	E
2-Chlorophenol-d4 (S)	88	%	33-110	1	01/03/18 10:23	01/05/18 17:42	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	78	%	16-110	1	01/03/18 10:23	01/05/18 17:42	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	7.2	ug/L	1.0	1		01/02/18 15:41	71-43-2	
Ethylbenzene	373 D	ug/L	5.0	5		01/02/18 16:05	100-41-4	
Toluene	8.9	ug/L	1.0	1		01/02/18 15:41	108-88-3	
Xylene (Total)	408 D	ug/L	10.0	5		01/02/18 16:05	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	82	%	68-153	1		01/02/18 15:41	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	1		01/02/18 15:41	460-00-4	
Toluene-d8 (S)	91	%	69-124	1		01/02/18 15:41	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-271	Lab ID: 7039186015	Collected: 12/28/17 12:48	Received: 12/28/17 14:11	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 18:09	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	82	%	35-114	1	01/03/18 10:23	01/05/18 18:09	4165-60-0	
2-Fluorobiphenyl (S)	85	%	43-116	1	01/03/18 10:23	01/05/18 18:09	321-60-8	
p-Terphenyl-d14 (S)	40	%	33-141	1	01/03/18 10:23	01/05/18 18:09	1718-51-0	
Phenol-d5 (S)	42	%	10-110	1	01/03/18 10:23	01/05/18 18:09	4165-62-2	
2-Fluorophenol (S)	58	%	21-110	1	01/03/18 10:23	01/05/18 18:09	367-12-4	
2,4,6-Tribromophenol (S)	115	%	10-123	1	01/03/18 10:23	01/05/18 18:09	118-79-6	E
2-Chlorophenol-d4 (S)	86	%	33-110	1	01/03/18 10:23	01/05/18 18:09	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	81	%	16-110	1	01/03/18 10:23	01/05/18 18:09	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		01/02/18 16:25	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		01/02/18 16:25	100-41-4	
Toluene	<1.0	ug/L	1.0	1		01/02/18 16:25	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		01/02/18 16:25	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	79	%	68-153	1		01/02/18 16:25	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-124	1		01/02/18 16:25	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		01/02/18 16:25	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-28S	Lab ID: 7039186011	Collected: 12/27/17 15:45	Received: 12/28/17 14:11	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Acenaphthene	40.1	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	83-32-9	
Acenaphthylene	2.0J	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	208-96-8	
Anthracene	5.0J	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	206-44-0	
Fluorene	23.3	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	193-39-5	
2-Methylnaphthalene	156 D	ug/L	50.0	10	01/03/18 10:23	01/08/18 16:57	91-57-6	
Naphthalene	471 D	ug/L	50.0	10	01/03/18 10:23	01/08/18 16:57	91-20-3	
Phenanthrene	23.5	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	85-01-8	
Pyrene	1.1J	ug/L	5.0	1	01/03/18 10:23	01/05/18 16:20	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	95	%	35-114	1	01/03/18 10:23	01/05/18 16:20	4165-60-0	
2-Fluorobiphenyl (S)	80	%	43-116	1	01/03/18 10:23	01/05/18 16:20	321-60-8	
p-Terphenyl-d14 (S)	53	%	33-141	1	01/03/18 10:23	01/05/18 16:20	1718-51-0	
Phenol-d5 (S)	44	%	10-110	1	01/03/18 10:23	01/05/18 16:20	4165-62-2	
2-Fluorophenol (S)	62	%	21-110	1	01/03/18 10:23	01/05/18 16:20	367-12-4	
2,4,6-Tribromophenol (S)	113	%	10-123	1	01/03/18 10:23	01/05/18 16:20	118-79-6	E
2-Chlorophenol-d4 (S)	98	%	33-110	1	01/03/18 10:23	01/05/18 16:20	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	88	%	16-110	1	01/03/18 10:23	01/05/18 16:20	2199-69-1	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Benzene	2.4	ug/L	1.0	1		12/31/17 21:31	71-43-2	
Ethylbenzene	113	ug/L	1.0	1		12/31/17 21:31	100-41-4	
Toluene	1.2	ug/L	1.0	1		12/31/17 21:31	108-88-3	
Xylene (Total)	9.3	ug/L	2.0	1		12/31/17 21:31	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	79	%	68-153	1		12/31/17 21:31	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124	1		12/31/17 21:31	460-00-4	
Toluene-d8 (S)	95	%	69-124	1		12/31/17 21:31	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: HIMW-28I Lab ID: 7039186009 Collected: 12/27/17 14:45 Received: 12/27/17 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 15:52	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	81	%	35-114	1	01/03/18 10:23	01/05/18 15:52	4165-60-0	
2-Fluorobiphenyl (S)	86	%	43-116	1	01/03/18 10:23	01/05/18 15:52	321-60-8	
p-Terphenyl-d14 (S)	58	%	33-141	1	01/03/18 10:23	01/05/18 15:52	1718-51-0	
Phenol-d5 (S)	35	%	10-110	1	01/03/18 10:23	01/05/18 15:52	4165-62-2	
2-Fluorophenol (S)	49	%	21-110	1	01/03/18 10:23	01/05/18 15:52	367-12-4	
2,4,6-Tribromophenol (S)	110	%	10-123	1	01/03/18 10:23	01/05/18 15:52	118-79-6	E
2-Chlorophenol-d4 (S)	83	%	33-110	1	01/03/18 10:23	01/05/18 15:52	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	75	%	16-110	1	01/03/18 10:23	01/05/18 15:52	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		12/31/17 17:05	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 17:05	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/31/17 17:05	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/31/17 17:05	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	84	%	68-153	1		12/31/17 17:05	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		12/31/17 17:05	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/31/17 17:05	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: TB 20171219		Lab ID: 7038591006		Collected: 12/19/17 14:45		Received: 12/19/17 16:05		Matrix: Water
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Benzene	<1.0	ug/L	1.0	1		12/22/17 22:30	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/22/17 22:30	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/22/17 22:30	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/22/17 22:30	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/22/17 22:30	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/22/17 22:30	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/22/17 22:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: TB20171221		Lab ID: 7038591015		Collected: 12/21/17 14:00	Received: 12/21/17 16:15	Matrix: Water		
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Benzene	<1.0	ug/L	1.0	1		12/28/17 10:09	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 10:09	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/28/17 10:09	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 10:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	68-153	1		12/28/17 10:09	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/28/17 10:09	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/28/17 10:09	2037-26-5	

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: TB20171222		Lab ID: 7038591019		Collected: 12/22/17 12:20		Received: 12/22/17 13:48		Matrix: Water
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Benzene	<1.0	ug/L	1.0	1		12/28/17 10:27	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/28/17 10:27	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/28/17 10:27	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/28/17 10:27	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/28/17 10:27	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/28/17 10:27	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		12/28/17 10:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: TB20171227		Lab ID: 7039186010		Collected: 12/27/17 00:00		Received: 12/27/17 16:00		Matrix: Water
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
Benzene	<1.0	ug/L	1.0	1		12/31/17 16:44	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		12/31/17 16:44	100-41-4	
Toluene	<1.0	ug/L	1.0	1		12/31/17 16:44	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		12/31/17 16:44	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	79	%	68-153	1		12/31/17 16:44	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	1		12/31/17 16:44	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		12/31/17 16:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: TB20171228	Lab ID: 7039186017	Collected: 12/28/17 13:10	Received: 12/28/17 14:11	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Benzene	<1.0	ug/L	1.0	1		01/02/18 17:06	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		01/02/18 17:06	100-41-4	
Toluene	<1.0	ug/L	1.0	1		01/02/18 17:06	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		01/02/18 17:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	83	%	68-153	1		01/02/18 17:06	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124	1		01/02/18 17:06	460-00-4	
Toluene-d8 (S)	94	%	69-124	1		01/02/18 17:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Sample: FB20171228 Lab ID: 7039186018 Collected: 12/28/17 13:10 Received: 12/28/17 14:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	--------------	----	----------	----------	---------	------

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Acenaphthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	208-96-8	
Anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	120-12-7	
Benzo(a)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	207-08-9	
Chrysene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	53-70-3	
Fluoranthene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	193-39-5	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	91-57-6	
Naphthalene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	91-20-3	
Phenanthrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	85-01-8	
Pyrene	<5.0	ug/L	5.0	1	01/03/18 10:23	01/05/18 19:04	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	119	%	35-114	1	01/03/18 10:23	01/05/18 19:04	4165-60-0	S3
2-Fluorobiphenyl (S)	89	%	43-116	1	01/03/18 10:23	01/05/18 19:04	321-60-8	
p-Terphenyl-d14 (S)	78	%	33-141	1	01/03/18 10:23	01/05/18 19:04	1718-51-0	
Phenol-d5 (S)	40	%	10-110	1	01/03/18 10:23	01/05/18 19:04	4165-62-2	
2-Fluorophenol (S)	59	%	21-110	1	01/03/18 10:23	01/05/18 19:04	367-12-4	
2,4,6-Tribromophenol (S)	114	%	10-123	1	01/03/18 10:23	01/05/18 19:04	118-79-6	E
2-Chlorophenol-d4 (S)	89	%	33-110	1	01/03/18 10:23	01/05/18 19:04	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	84	%	16-110	1	01/03/18 10:23	01/05/18 19:04	2199-69-1	

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

Benzene	<1.0	ug/L	1.0	1		01/02/18 17:27	71-43-2	
Ethylbenzene	<1.0	ug/L	1.0	1		01/02/18 17:27	100-41-4	
Toluene	<1.0	ug/L	1.0	1		01/02/18 17:27	108-88-3	
Xylene (Total)	<2.0	ug/L	2.0	1		01/02/18 17:27	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	79	%	68-153	1		01/02/18 17:27	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-124	1		01/02/18 17:27	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		01/02/18 17:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ATTACHMENT B

SUPPORT DOCUMENTATION

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT



www.pacelabs.com

WO#: 7038591

Section A Required Client Information. Company: AECOM Address:		Section B Required Project Information. Report To: Peter Fairbanks Copy To: Jon S. August		Section C Invoice Information. Attention: Company No: 7038501 Address: Pace Quote Reference: Pace Project Manager: Pace Profile #:	
Email: Peter.fairbanks@aecom.com Phone: 716-856-5636 Fax: Requested Due Date: 12/19/17		Project Name: National Grid Hempstead Project Number: 60411920		NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER Site Location STATE: NY	
Regulatory Agency		Regulatory Agency		Pace Project No./ Lab I.D.	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	SAMPLE CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test ↑	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.			
					COMPOSITE START	COMPOSITE END/GRAB					DATE	TIME	HNO ₃	H ₂ SO ₄	Unpreserved	HCl	NaOH	Na ₂ S ₂ O ₅	Methanol	Other							
1	H1MW-23	DW	WT G	G		12/18/17	14:22	15		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	001
2	H1MW-15I	WT	WT G	G		12/19/17	08:45	14		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	002
3	H1MW-15D	WT	WT G	G		12/19/17	09:55	14		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	003
4	H1MW-13S	WT	WT G	G		12/19/17	12:00	14		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	004
5	H1MW-22	WT	WT G	G		12/19/17	14:25	15		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	005
6	TB 20171219	WT	WT G	G		12/19/17	14:45	2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	006

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Temp in °C	Received on	Custody Sealed Cooler	Samples Intact
	<i>Wlegany Sped</i>	12/19/17	15:02	<i>[Signature]</i>	12/19/17	15:02					
	<i>[Signature]</i>	12/19/17	16:05	<i>[Signature]</i>	12/19/17	16:05					

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: **M. Dasgupta + J. Crespo**
 SIGNATURE of SAMPLER: *[Signature]*
 DATE Signed (MM/DD/YYYY): **12/18/17**

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days



Sample Condition Upon Receipt

Client Name: AECOM

Projec **WO#: 7038591**

PM: JSA Due Date: 01/04/18

CLIENT: AECOM-B

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No

Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Blue None

Thermometer Used: TH092

Correction Factor: +0.0

Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.7

Cooler Temperature Corrected (°C): 2.7

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6 0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: JS 12/19/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	1
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No	3
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No	9
-Pace Containers Used	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12
-Includes date/time/ID/Analysis Matrix SLWT OIL		
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/6015 (water)		
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution: _____

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____



Sample Condition Upon Receipt

Client Name: AECOM

Proj: WO#: 7038591

Courier: Fed Ex UPS USPS Client Commercial Pace Other

PM: JSA Due Date: 01/04/18
CLIENT: AECOM-B

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No

Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Wet Blue None

Thermometer Used: 117092 Correction Factor: +0.0

Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.5 Cooler Temperature Corrected (°C): 1.5

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: JC7 12/21/17

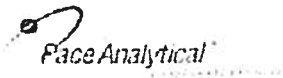
Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix <u>SL</u> <u>WT</u> <u>OIL</u>		
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method VOA pH is checked after analysis	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res Chlorine? Y N
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution: _____ Field Data Required? Y / N
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____



Sample Condition Upon Receipt

WO#: 7038591

Client Name:

PM: JSA Due Date: 01/04/18
CLIENT: AECOM-B

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: Yes No

Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Wet Blue None

Thermometer Used: TH092

Correction Factor: +0.0

Samples on ice, cooling process has begun

Cooler Temperature (C): 12.8

Cooler Temperature Corrected (C): 12.8

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0 C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: SB 12/22/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

Table with 2 main columns: Field Data and COMMENTS. Rows include Chain of Custody Present, Chain of Custody Filled Out, Chain of Custody Relinquished, Sampler Name & Signature on COC, Samples Arrived within Hold Time, Short Hold Time Analysis (<72hr), Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Filtered volume received for Dissolved tests, Sample Labels match COC, All containers needing preservation have been checked, pH paper Lot #, All containers needing preservation are found to be in compliance with EPA recommendation?, Samples checked for dechlorination, Residual chlorine strips Lot #, Headspace in VOA Vials (>6mm), Trip Blank Present, Trip Blank Custody Seals Present, Pace Trip Blank Lot # (if applicable).

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time

Comments/ Resolution:

PROJECT NARRATIVE

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: January 03, 2018

General Information:

16 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 51357

S0: Surrogate recovery outside laboratory control limits.

- DUP (Lab ID: 238175)
 - 2-Fluorophenol (S)
 - Phenol-d5 (S)
- HIMW-14D (Lab ID: 7038591013)
 - 2-Fluorophenol (S)
 - Phenol-d5 (S)

QC Batch: 51523

S0: Surrogate recovery outside laboratory control limits.

- MS (Lab ID: 238614)
 - 2-Chlorophenol-d4 (S)
 - 2-Fluorobiphenyl (S)
 - 2-Fluorophenol (S)
 - Phenol-d5 (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: January 03, 2018

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 51523

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7038591016

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 238614)
 - Acenaphthene
 - Acenaphthylene
 - Fluorene
 - Naphthalene

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 50917

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 236811)
 - Fluorene
 - Phenanthrene
 - Pyrene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NATIONAL GRID HEMPSTEAD 12/18
Pace Project No.: 7038591

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: AECOM
Date: January 03, 2018

General Information:

19 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 51245

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 238224)
- Benzene

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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MSV - FORM III VOA-1
WATER VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - New York
 Date Extracted: 12/28/2017
 Instrument 70MSV6
 Lab Sample ID: HIMW-14I

Duplicate Sample No: 7038591010DUP
 Date Analyzed: 12/28/2017
 Lab File ID: 122817.BJ41949.D
 SDG No.: 7038591

COMPOUND	SAMPLE CONCENTRATION (ug/L)	DUPLICATE CONCENTRATION (ug/L)	RPD	RPD LIMITS
Benzene	2.4	1.8	28	0-20
Ethylbenzene	<1.0	<1.0		0-20
Toluene	<1.0	<1.0		0-20
Xylene (Total)	<2.0	<2.0		0-20

RPD: 1 out of 1 outside limits.

01/16/2018 1:48

WO#: 7039186

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page 1 of 1

Section A
 Required Client Info: 7030186
 Company: AECOM
 Address: Jon Sundquist
 Copy To: Peter Fairbanks
 Purchase Order No:
 Project Name: National Grid Hempstead
 Project Number: 6041920

Section B
 Report To: Jon Sundquist
 Copy To: Peter Fairbanks
 Company Name:
 Address:
 Pace Quote Reference:
 Pace Project Manager:
 Pace Profile #:

Section C
 Invoice Information
 Attention:
 Company Name:
 Address:
 Pace Quote Reference:
 Pace Project Manager:
 Pace Profile #:

Section D
 Required Client Information
 Matrix Codes: DW, WT, WW, P, SL, OL, WP, AR, TS, OT
 Drinking Water, Waste Water, Product, Soil/Solid, Oil, Wipe, Air, Tissue, Other
 SAMPLE ID (A-Z, 0-9 / . -)
 Sample IDs MUST BE UNIQUE

ITEM #	Matrix Codes	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	PRESERVATIVES							Analysis Test ↑	Y/N	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.
		COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME		DATE	TIME	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH				
1	H1MW-08D			WT G		12/26/17	1135	4	2									001	
2	H1MW-08I			WT G		12/26/17	1235	4	2									002	
3	H1MW-08S			WT G		12/26/17	1415	4	2									003	
4	H1MW-08S MS/MSD			WT G		12/26/17	1415	4	4									004	
5	H1MW-05S			WT G		12/27/17	0915	4	2									005	
6	H1MW-05I			WT G		12/27/17	1003	4	2									006	
7	H1MW-05D			WT G		12/27/17	0840	4	2									007	
8	H1MW-20S			WT G		12/27/17	1150	4	2									008	
9	H1MW-20I			WT G		12/27/17	1155	4	2									009	
10	H1MW-28I			WT G		12/27/17	1445	4	2									010	
11																			
12	TB 2017 1 227			WT		12/27/17		2	2									011	

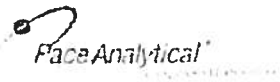
Section E
 ADDITIONAL COMMENTS: Megan Reed / AECOM 12/26/17
 T.M. / AECOM 12/27/17

Section F
 RELINQUISHED BY / AFFILIATION: T.M. / AECOM
 DATE: 12/27/17
 TIME: 15:00

Section G
 ACCEPTED BY / AFFILIATION: Megan Reed / AECOM
 DATE: 12/27/17
 TIME: 15:00

Section H
 SAMPLE NAME AND SIGNATURE: Megan Reed + John Cresco
 PRINT Name of SAMPLER: Megan Reed + John Cresco
 SIGNATURE of SAMPLER: (Signatures)
 DATE Signed (MM/DD/YYYY): 12/27/17

Section I
 Temp in °C: _____
 Received on Ice (Y/N): _____
 Custody Sealed Cooler (Y/N): _____
 Samples Intact (Y/N): _____



Sample Condition Upon Receipt

Client Name: AECOM

Proje **WO#: 7039186**

PM: JSA Due Date: 01/11/18
CLIENT: AECOM-B

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No

Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Blue None

Thermometer Used: TH092

Correction Factor: +0.0

Samples on ice cooling process has begun

Cooler Temperature (°C): 1.9/2.8

Cooler Temperature Corrected (°C): 1.9/3

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil N/A, water sample

Date and Initials of person examining contents TJ 12/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	1	
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No	2	
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No	3	
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4	
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No	5	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7	
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	Note if sediment is visible in the dissolved container
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12	
-Includes date/time/ID/Analysis Matrix SL <u>WT OIL</u>			
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13	<input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #			
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/BO 15 (water). Per Method, VOA pH is checked after analysis			Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14	Positive for Res Chlorine? Y N
Residual chlorine strips Lot #			
Headpace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank Lot # (if applicable):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

WO#: 7039186

PM: JSA Due Date: 01/11/18

CLIENT: AECOM-B

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately

Page: 1 of 1
1934437

Section C Invoice Information:

Company: AECOM
Address: 1000...
Report To: Jon Sundquist
Copy To: Peter Fairbanks
Purchase Order No.:
Project Name: National Grid Hempstead
Project Number: 60411920
Requested Due Date: 1/11/18

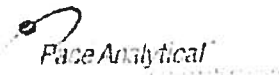
REGULATORY AGENCY

NPDES GROUND WATER
UST RCRA
DRINKING WATER
OTHER

Site Location STATE: NY

Table with columns: Section D Required Client Information, Matrix Codes, SAMPLE ID, Matrix Code, SAMPLE TYPE, COLLECTED, PRESERVATIVES, ANALYSIS TEST, ACCEPTED BY / AFFILIATION, DATE, TIME, ADDITIONAL COMMENTS, RELINQUISHED BY / AFFILIATION, DATE, TIME, SAMPLE CONDITIONS, Received on, Custody, Sealed Cooler, Samples Inact.

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to pay charges of 1.5% per month not paid within 30 days.



Sample Condition Upon Receipt

Client Name: AECOM

Proj **WO#: 7039186**
 PM: JSA Due Date: 01/11/18
 CLIENT: AECOM-B

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: _____ Seals intact: Yes No

Custody Seal on Cooler/Box Present: Yes No
 Packing Material: Bubble Wrap Bubble Bags Ziploc None Other
 Type of Ice: Wet Blue None

Thermometer Used: TH092 Correction Factor: 10.0 Samples on ice, cooling process has begun
 Cooler Temperature (°C): 5.4, 1.9 Cooler Temperature Corrected (°C): 5.4, 1.9 Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 60°C
 USDA Regulated Soil (N/A, water sample) Date and Initials of person examining contents: SB 12/28/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix <u>Sl</u> <u>WT</u> <u>OIL</u>	
All containers needing preservation have been checked <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pl 1 paper Lot #	Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Exceptions: (VOA) Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #	
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seal's Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____	

Client Notification/ Resolution: _____ Field Data Required? Y / N
 Person Contacted: _____ Date/Time: _____

Comments/ Resolution _____

PROJECT NARRATIVE

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: January 09, 2018

General Information:

16 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (Including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 51679

S0: Surrogate recovery outside laboratory control limits.

- HIMW-20I (Lab ID: 7039186008)
- 2,4,6-Tribromophenol (S)

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

- FB20171228 (Lab ID: 7039186018)
- Nitrobenzene-d5 (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 51638

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7039186003

R1: RPD value was outside control limits.

- MSD (Lab ID: 239325)
- 2-Methylnaphthalene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: January 09, 2018

QC Batch: 51638

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7039186003

R1: RPD value was outside control limits.

- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluoranthene
- Fluorene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 51679

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- DUP (Lab ID: 239547)
 - 2,4,6-Tribromophenol (S)
- DUP20171228 (Lab ID: 7039186016)
 - 2,4,6-Tribromophenol (S)
- FB20171228 (Lab ID: 7039186018)
 - 2,4,6-Tribromophenol (S)
- HIMW-05D (Lab ID: 7039186006)
 - 2,4,6-Tribromophenol (S)
- HIMW-05I (Lab ID: 7039186005)
 - 2,4,6-Tribromophenol (S)
- HIMW-05S (Lab ID: 7039186004)
 - 2,4,6-Tribromophenol (S)
- HIMW-20I (Lab ID: 7039186008)
 - 2,4,6-Tribromophenol (S)
- HIMW-20S (Lab ID: 7039186007)
 - 2,4,6-Tribromophenol (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: January 09, 2018

Analyte Comments:

QC Batch: 51679

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- HIMW-26D (Lab ID: 7039186012)
 - 2,4,6-Tribromophenol (S)
- HIMW-26I (Lab ID: 7039186013)
 - 2,4,6-Tribromophenol (S)
- HIMW-27I (Lab ID: 7039186015)
 - 2,4,6-Tribromophenol (S)
- HIMW-27S (Lab ID: 7039186014)
 - 2,4,6-Tribromophenol (S)
- HIMW-28I (Lab ID: 7039186009)
 - 2,4,6-Tribromophenol (S)
- HIMW-28S (Lab ID: 7039186011)
 - 2,4,6-Tribromophenol (S)
- LCS (Lab ID: 239438)
 - 2,4,6-Tribromophenol (S)
- MS (Lab ID: 239546)
 - 2,4,6-Tribromophenol (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: NATIONAL GRID HEMPSTEAD 12/27
Pace Project No.: 7039186

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: AECOM
Date: January 09, 2018

General Information:

18 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (Including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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