

**Groundwater Sampling, NAPL
Monitoring/Recovery and Groundwater
Treatment Performance Report for the
Second Quarter of 2017 (April - June)
for the Hempstead Intersection Street
Former Manufactured Gas Plant Site
Villages of Hempstead & Garden City
Nassau County, New York**



Prepared for:

National Grid

175 East Old Country Road
Hicksville, New York 11801

Prepared by:

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**GROUNDWATER SAMPLING, NAPL MONITORING/RECOVERY, AND
GROUNDWATER TREATMENT PERFORMANCE REPORT
FOR THE SECOND QUARTER OF 2017 (APRIL - JUNE)**

**HEMPSTEAD INTERSECTION STREET
FORMER MANUFACTURED GAS PLANT SITE
VILLAGES OF HEMPSTEAD AND GARDEN CITY
NASSAU COUNTY, NEW YORK 11550**

Prepared for:

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ACRONYMS AND ABBREVIATIONS

| | |
|--------|---|
| AECOM | AECOM USA, Inc. |
| amsl | above mean sea level |
| bgs | below ground surface |
| BTEX | benzene, toluene, ethylbenzene, xylenes |
| DNAPL | dense non-aqueous phase liquid |
| DO | dissolved oxygen |
| DUSR | data usability summary report |
| ft | foot (feet) |
| ft/ft | feet per foot |
| HIMW | Hempstead Intersection (Street) Monitoring Well |
| ISS | In Situ Solidification |
| LNAPL | light non-aqueous phase liquid |
| MGP | manufactured gas plant |
| µg/L | micrograms per liter |
| MP | monitoring points |
| NAPL | non-aqueous phase liquid |
| NYSDEC | New York State Department of Environmental Conservation |
| ORP | oxidation-reduction potential |
| PAHs | polycyclic aromatic hydrocarbons |
| PID | photo ionization detector |
| POB | Professional Office Building |
| QC | quality control |
| USEPA | United States Environmental Protection Agency |

EXECUTIVE SUMMARY

This report provides a summary of field activities, analytical results, and data interpretations associated with groundwater sampling, gauging, and recovery of non-aqueous phase liquid (NAPL), and with the groundwater treatment systems at the Hempstead Intersection Street Former Manufactured Gas Plant (MGP) site during the Second Quarter (April, May, and June) 2017.

Quarterly groundwater monitoring and sampling were conducted on June 19-29, 2017. This included measuring the depth to groundwater and NAPL thickness in 46 wells. Groundwater samples were collected from 29 wells and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs).

NAPL monitoring and recovery was conducted on April 11 and June 30, 2017 and monitoring only on June 19, 2017 for a total of three events in the Second Quarter of 2017.

The following results were obtained from the groundwater sampling and NAPL monitoring events:

- The general direction of groundwater flow in the Second Quarter 2017 in the shallow, intermediate, and deep water-bearing zones was south at an average gradient of approximately 0.002 feet per foot (ft/ft) for shallow, intermediate, and deep water bearing zones.
- The extent of the dissolved-phase groundwater plume boundary and the data for the Second Quarter 2017 are shown in Figure 4. The downgradient boundary of the plume, which is defined by total BTEX or PAH concentrations greater than 100 µg/L, extends approximately 905 feet south of the site boundary.
- Dense non-aqueous phase liquid (DNAPL) was detected in one existing site-related well during the Second Quarter. The well (HIMW-021), is located along the west side of Wendell Street, south of the Intersection Street site.
- NAPL monitoring and NAPL recovery was conducted three times during the quarter. There were 3.95 gallons of DNAPL removed during the Second Quarter 2017 from two events. A

total of 854.5 gallons of NAPL have been recovered to date from all of the Site related recovery wells between April 2007 and June 2017.

The first of two oxygen delivery systems (System No. 2) started operating in October 2010 and continued to promote aerobic conditions in the aquifer near the system during the Second Quarter of 2017. The second of two oxygen delivery systems (System No. 1) started operating in April 2011 and continued to promote aerobic conditions in the aquifer near the system during the Second Quarter of 2017.

Monthly headspace and water quality parameters were collected from the monitoring points for Systems No. 1 and No. 2 by Island Pump & Tank Corporation. During the Second Quarter of 2017, Island Pump & Tank monitored System No. 1 during three events and System No. 2 during three events.

1.0 INTRODUCTION

This quarterly report summarizes the field activities, analytical results, and data interpretations associated with groundwater sampling, gauging, and recovery of NAPL and the monitoring of the groundwater treatment systems during the Second Quarter of 2017 at the Hempstead Intersection Street Former MGP site (refer to Figures 1, 2, and 3).

Quarterly groundwater monitoring and bimonthly recovery of NAPL was initiated in April 2007. Separate quarterly reports are typically provided for each of the first three quarters of the year and the fourth quarter data typically gets reported as part of the Annual Report. Reports have been issued quarterly since 2007 as listed in the References section of this report.

AECOM USA, Inc. (AECOM) performed the following activities during the Second Quarter of 2017:

- Measured the depth to groundwater and NAPL thickness in 46 off-site wells on June 19, 2017 (see Tables 1 and 2).
- Monitored NAPL at HIMW-021 on April 11, June 19, and June 30, 2017. There were 3.95 gallons of product recovered during two events, April 11 and June 30, during the Second Quarter 2017 (see Table 3).
- Collected groundwater samples from 29 monitoring wells for laboratory analysis during the scheduled round of quarterly groundwater sampling (see Table 4).

Island Pump & Tank also performed water level measurements, well headspace monitoring with a photoionization detector (PID), and dissolved oxygen (DO) measurements with a DO meter (YSI 55A) on System No. 1 during three events and on System No. 2 during three events in the Second Quarter 2017. Monitoring is conducted monthly to assess the performance of groundwater treatment System No. 1 and System No. 2. This data is presented in Table 5.

2.0 FIELD ACTIVITIES

The field activities performed by AECOM during the Second Quarter of 2017 included the measurement of the depth to groundwater and NAPL thickness in 46 monitoring wells and the collection of groundwater samples from 29 monitoring wells.

Monitoring wells and piezometers used for these activities are listed in Table 1. Second Quarter 2017 groundwater elevations and NAPL thickness values are presented in Table 2, NAPL recovery are reported in Table 3, and the results of groundwater sampling are presented in Table 4.

Island Pump & Tank performed measurements to monitor the performance of the groundwater treatment Systems No. 1 and No. 2 monthly during the Second Quarter of 2017. Island Pump & Tank collected water level measurements with an electronic oil/water interface probe, well headspace monitoring data with a photoionization detector (PID), and dissolved oxygen (DO) measurements with a YSI 55A dissolved oxygen meter on System No. 1 on April 25, May 31, and June 30, 2017 and on System No. 2 on April 26, May 30, and June 30, 2017. This data is presented in Table 5.

2.1 Groundwater Depth and NAPL Thickness Measurements

An electronic oil/water interface probe was used to measure the depth to groundwater and check for the presence of light non-aqueous phase liquid (LNAPL). DNAPL thickness was measured using a weighted cotton string that absorbs oil. Depths to groundwater and NAPL thickness measurements are listed in Table 2. NAPL thicknesses and recovery amounts are listed in Table 3.

There were 46 monitoring wells gauged during the Second Quarter, June 19, 2017 gauging event. HIMW-12I was not gauged for DNAPL thickness or total well depth and HIMW-12D was not gauged for any of the gauging parameters due to blockages inside the wells.

2.2 NAPL Recovery

NAPL recovery occurred between 2007 and the Third Quarter of 2011 when the In Situ Solidification (ISS) remediation project began. Approximately 745 gallons of NAPL were recovered between April 2007 and July 2011 when NAPL recovery ended upon the start of ISS treatment. All, but one, of the recovery wells were destroyed to complete the ISS work. NAPL recovery is limited to this one well, HIMW-021, which is located to the south of the site adjacent to the sidewalk of the Professional Office Building (POB), outside the ISS area.

NAPL levels were monitored in well HIMW-021 during three gauging events: April 11, June 19, and June 30, 2017. During each event, the well was gauged with a weighted cotton string to measure the DNAPL thickness. NAPL recovery was conducted on April 11 and June 30. A total of 3.95 gallons were recovered in two events during the Second Quarter 2017. A total of 854.5 gallons of NAPL have been recovered from all of the Site related recovery wells between April 2007 and June 2017.

Table 3 presents Second Quarter 2017 NAPL thickness and recovery amounts at HIMW-021 per event and the total NAPL recovery amounts from the Site.

2.3 Groundwater Sampling

Low-flow groundwater sampling methods were used to sample groundwater, which included purging groundwater at a rate of between 100 and 500 milliliters per minute. The water was pumped through a flow-through cell and monitored for pH, conductivity, turbidity, DO, temperature, and oxidation-reduction potential (ORP). Purging was continued until stable conditions were achieved (defined as three consecutive stable readings [i.e. ± 10 percent] over a 15 minute period). Groundwater samples were collected afterwards and shipped under chain-of-custody procedures to Pace Analytical Laboratory for analysis of BTEX (United States Environmental Protection Agency [USEPA] Method 8260C) and PAHs (USEPA Method 8270D). Purge water was stored in an onsite storage tank for subsequent offsite disposal. The Data Usability Summary Report is presented in Appendix A.

There were 29 monitoring wells sampled during the Second Quarter June 20-29, 2017 groundwater sampling event. Two monitoring wells from the sampling and analysis plan (HIMW-012I and HIMW-012D) were not sampled during this quarterly event because of obstructions inside the well

risers. Analytical results from the quarterly groundwater sampling event are presented in Table 4 and Figure 4.

2.4 Groundwater Treatment System Operation

Two oxygen delivery systems were installed to enhance the groundwater oxygen concentrations in the groundwater plume. “System No. 1” is located along Smith Street, a portion of the Long Island Railroad Right of Way, and a portion of Hilton Avenue and began operation in April 2011. “System No. 2” extends from Mirschel Park in the east to Kensington Court in the west and began operation in October 2010. Figure 3 shows the locations of the two systems.

The performance of System No. 1 and System No. 2 was monitored by Island Pump & Tank during the Second Quarter 2017 through the measurement of water levels, headspace gas, and water quality parameters in the groundwater monthly, see Table 5. Island Pump & Tank performed water level measurements with an electronic oil/water interface probe, well headspace monitoring with a PID, and DO measurements with a DO meter (YSI 55A). These measurements were collected during the Second Quarter and were taken during three events for System No. 1 on April 25, May 31, and June 30, 2017 and during three events for System No. 2 on April 26, May 30, and June 30, 2017. The full system data is included in Appendix B.

3.0 RESULTS

3.1 Dissolved-Phase Plume

The extent of the dissolved-phase groundwater plume boundary and the data for Second Quarter 2017 (and the historical concentration ranges) are shown in Figure 4. The downgradient boundary of the plume, which is defined by total BTEX or PAH concentrations greater than 100 µg/L, extends approximately 905 feet south of the site boundary.

3.2 Potentiometric Heads and NAPL Thickness

Potentiometric heads and NAPL thickness measurements for the Second Quarter 2017 are presented in Table 2. Potentiometric surface maps for shallow, intermediate, and deep groundwater zones were developed using this data and are shown in Figures 5, 6, and 7, respectively for the Second Quarter 2017. The data for Second Quarter 2017 indicates that the direction of groundwater flow within the well field was south at an average gradient of approximately 0.002 ft/ft for shallow, intermediate, and deep water bearing zones. These values are consistent with historical data.

DNAPL was observed in one well during the Second Quarter 2017 on April 11, June 19, and June 30, 2017 for a total of three events, see Table 3. The well (HIMW-021) is located along the west side of Wendell Street south of the Site and Intersection Street (Figure 8). All wells in the parking lot of the POB were decommissioned in late June 2013 during ISS work. Wells located within the property boundary of the site were previously decommissioned in Fourth Quarter 2011 with the start of the ISS remediation project.

3.3 Groundwater Analytical Results

Groundwater analytical results are summarized in Section 3.1, Table 4, and Appendix A and are illustrated on Figures 4 and 8.

A Data Usability Summary Report (DUSR) was 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 the Development of Data Usability Summary Reports*, May 2010. The review included completeness of all required deliverables; holding times; quality control (QC) results (blanks, instrument

tunes, calibration standards, matrix spike recoveries, duplicate analyses, and laboratory control sample 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. All sample analyses were found to be compliant with the method and validation criteria and the data is useable as reported, except where noted in the DUSR. An electronic copy of the DUSR is included as Appendix A.

3.4 NAPL Recovery Volumes

HIMW-021 is the one remaining product recovery well associated with the site. It is located south of the site in the sidewalk along the west side of Wendell Street. In the Second Quarter 2017, NAPL levels were monitored in well HIMW-021 during three gauging events: April 11, June 19, and June 30, 2017. During these events, the well was gauged with a weighted cotton string to measure the DNAPL thickness. A total of 3.95 gallons of NAPL was recovered from this well during two events: April 11 and June 30, 2017. A total of 854.5 gallons of NAPL have been recovered to date from all of the Site related recovery wells between April 2007 and June 2017. Table 3 lists the amount of DNAPL gauged in HIMW-021 during each event and the total amount of product recovered.

3.5 Groundwater Treatment System Performance

Groundwater treatment system performance data for Second Quarter 2017, as collected and reported by Island Pump & Tank, is presented in Table 5.

System No. 1

System No. 1 DO readings reported in the Second Quarter 2017 ranged from a low of 4.81 mg/L at MP-1-8 on May 31, 2017 to a high of 28.65 mg/L at MP-1-7 on April 25, 2017. The overall average DO reading for System No. 1 in the Second Quarter was 14.55 mg/L.

There were two PID headspace readings above 1 ppm for System No. 1 in the Second Quarter 2017. The readings were collected on May 31, 2017. There was a PID reading of 2.4 ppm at MP-1-1D and a reading of 18.0 ppm at MP-1-5. All other PID readings were below 1 ppm.

During the Second Quarter, the system was running in April and May and routine maintenance was regularly performed. The system was not operating in June due to mechanical issues. In April and May, System No. 1 performed as expected to create an aerobic environment in the aquifer.

System No. 2

System No. 2 DO readings reported in the Second Quarter 2017 ranged from a low of 14.02 mg/L at MP-2-1 on May 30, 2017 to a high of 30.25 mg/L at MP-2-3D on May 30, 2017. The overall average DO reading for System No. 2 in the Second Quarter was 23.57 mg/L.

There was one PID headspace reading above 1 ppm for System No. 2 in the Second Quarter 2017. This was a reading 1.3 ppm at MP-2-4 on June 30, 2017. All other PID headspace readings were below 1 ppm.

During the Second Quarter 2017, the system was running and routine maintenance was regularly performed. Based on the data collected during the Second Quarter of 2017, System No. 2 performed as expected to create an aerobic environment in the aquifer.

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TABLES

Table 1

**Summary of Field Activities: Water Level Measurements, NAPL Thickness Measurements, NAPL Recovery, and Water Quality Sampling
Second Quarter 2017^{(1), (2)}
Hempstead Intersection Street Former MGP Site**

| Well ID | Second Quarter (June 19 to 29, 2017) | | | NAPL Monitoring and DNAPL Recovery Events | |
|-----------|---|-------------------|------------------|--|------------------|
| | Water Level | NAPL Thickness | Water Quality | April 11, 2017 | June 30, 2017 |
| HIMW-003S | X | X | X | | |
| HIMW-003I | X | X | X | | |
| HIMW-003D | X | X | X | | |
| HIMW-004S | X | X | | | |
| HIMW-004I | X | X | | | |
| HIMW-004D | X | X | | | |
| HIMW-005S | X | X | X | | |
| HIMW-005I | X | X | X | | |
| HIMW-005D | X | X | X | | |
| HIMW-008S | X | X | X | | |
| HIMW-008I | X | X | X | | |
| HIMW-008D | X | X | X | | |
| HIMW-009S | X | X | | | |
| HIMW-009I | X | X | | | |
| HIMW-009D | X | X | | | |
| HIMW-010S | X | X | | | |
| HIMW-010I | X | X | | | |
| HIMW-011S | X | X | | | |
| HIMW-011I | X | X | | | |
| HIMW-011D | X | X | | | |
| HIMW-012S | X | X | X | | |
| HIMW-012I | X | | | | |
| HIMW-012D | | | | | |
| HIMW-013S | X | X | X | | |
| HIMW-013I | X | X | X | | |
| HIMW-013D | X | X | X | | |
| HIMW-014I | X | X | X | | |
| HIMW-014D | X | X | X | | |
| HIMW-015I | X | X | X | | |
| HIMW-015D | X | X | X | | |
| HIMW-020S | X | X | X | | |
| HIMW-020I | X | X | X | | |
| HIMW-021 | X | X | | X | X |
| HIMW-022 | X | X | X | | |
| HIMW-023 | X | X | X | | |
| HIMW-024 | X | X | X | | |
| HIMW-025 | X | X | X | | |
| HIMW-026I | X | X | X | | |
| HIMW-026D | X | X | X | | |
| HIMW-027S | X | X | X | | |
| HIMW-027I | X | X | X | | |
| HIMW-028S | X | X | X | | |
| HIMW-028I | X | X | X | | |

Table 1

**Summary of Field Activities: Water Level Measurements, NAPL Thickness Measurements, NAPL Recovery, and Water Quality Sampling
Second Quarter 2017^{(1), (2)}
Hempstead Intersection Street Former MGP Site**

| Well ID | Second Quarter (June 19 to 29, 2017) | | | NAPL Monitoring and DNAPL Recovery Events | |
|---------|---|-------------------|------------------|--|------------------|
| | Water Level | NAPL Thickness | Water Quality | April 11, 2017 | June 30, 2017 |
| PZ-02 | X | X | | | |
| PZ-03 | X | X | | | |
| OSMW-02 | X | X | | | |
| OSMW-03 | X | X | | | |

Notes:

- 1 Field marked with "X" indicates that the activity was performed.
- 2 Blank field indicates that the activity was not performed.

Table 2
Groundwater and NAPL Measurements
Second Quarter 2017
Hempstead Intersection Street Former MGP Site

| Well ID | Date | Elevation of TOR | Depth to LNAPL | Depth to Water | Depth to DNAPL | Well Depth | Thickness of LNAPL | Thickness of DNAPL | Corrected Potentiometric Head ⁽¹⁾ |
|-----------|-----------|------------------|----------------|----------------|----------------|------------|--------------------|--------------------|--|
| | | [ft bgs] | [ft] | [ft] | [ft] | [ft] | [ft] | [ft] | [ft ams] |
| HIMW-003S | 6/19/2017 | 65.00 | ND | 20.49 | ND | 34.32 | 0 | 0.00 | 44.51 |
| HIMW-003I | 6/19/2017 | 64.94 | ND | 21.12 | ND | 84.97 | 0 | 0.00 | 43.82 |
| HIMW-003D | 6/19/2017 | 65.26 | ND | 21.86 | ND | 142.18 | 0 | 0.00 | 43.40 |
| HIMW-004S | 6/19/2017 | 72.74 | ND | 29.09 | ND | 41.63 | 0 | 0.00 | 43.65 |
| HIMW-004I | 6/19/2017 | 72.78 | ND | 29.33 | ND | 90.46 | 0 | 0.00 | 43.45 |
| HIMW-004D | 6/19/2017 | 72.65 | ND | 30.05 | ND | 177.01 | 0 | 0.00 | 42.60 |
| HIMW-005S | 6/19/2017 | 67.19 | ND | 23.36 | ND | 38.93 | 0 | 0.00 | 43.83 |
| HIMW-005I | 6/19/2017 | 67.22 | ND | 23.71 | ND | 90.48 | 0 | 0.00 | 43.51 |
| HIMW-005D | 6/19/2017 | 67.22 | ND | 24.59 | ND | 135.94 | 0 | 0.00 | 42.63 |
| HIMW-008S | 6/19/2017 | 65.04 | ND | 21.78 | ND | 36.88 | 0 | 0.00 | 43.26 |
| HIMW-008I | 6/19/2017 | 65.14 | ND | 21.99 | ND | 74.78 | 0 | 0.00 | 43.15 |
| HIMW-008D | 6/19/2017 | 64.93 | ND | 21.79 | ND | 114.53 | 0 | 0.00 | 43.14 |
| HIMW-009S | 6/19/2017 | 70.03 | ND | 26.41 | ND | 39.84 | 0 | 0.00 | 43.62 |
| HIMW-009I | 6/19/2017 | 69.93 | ND | 26.37 | ND | 80.44 | 0 | 0.00 | 43.56 |
| HIMW-009D | 6/19/2017 | 69.96 | ND | 26.43 | ND | 122.97 | 0 | 0.00 | 43.53 |
| HIMW-010S | 6/19/2017 | 71.60 | ND | 27.07 | ND | 39.48 | 0 | 0.00 | 44.53 |
| HIMW-010I | 6/19/2017 | 71.47 | ND | 26.90 | ND | 89.73 | 0 | 0.00 | 44.57 |
| HIMW-011S | 6/19/2017 | 71.62 | ND | 27.45 | ND | 40.25 | 0 | 0.00 | 44.17 |
| HIMW-011I | 6/19/2017 | 71.43 | ND | 27.29 | ND | 93.19 | 0 | 0.00 | 44.14 |
| HIMW-011D | 6/19/2017 | 71.39 | ND | 27.31 | ND | 122.28 | 0 | 0.00 | 44.08 |
| HIMW-012S | 6/19/2017 | 61.58 | ND | 19.54 | ND | 33.11 | 0 | 0.00 | 42.04 |
| HIMW-012I | 6/19/2017 | 61.59 | ND | 19.42 | ND | NM | 0 | NM | 42.17 |
| HIMW-012D | 6/19/2017 | 61.82 | NM | NM | NM | NM | NM | NM | NM |
| HIMW-013S | 6/19/2017 | 72.83 | ND | 32.84 | ND | 48.58 | 0 | 0.00 | 39.99 |
| HIMW-013I | 6/19/2017 | 72.60 | ND | 32.43 | ND | 81.42 | 0 | 0.00 | 40.17 |
| HIMW-013D | 6/19/2017 | 72.53 | ND | 32.42 | ND | 122.04 | 0 | 0.00 | 40.11 |
| HIMW-014I | 6/19/2017 | 71.71 | ND | 31.52 | ND | 96.25 | 0 | 0.00 | 40.19 |
| HIMW-014D | 6/19/2017 | 71.59 | ND | 33.87 | ND | 151.85 | 0 | 0.00 | 37.72 |
| HIMW-015I | 6/19/2017 | 64.18 | ND | 26.78 | ND | 92.37 | 0 | 0.00 | 37.40 |
| HIMW-015D | 6/19/2017 | 63.96 | ND | 28.66 | ND | 152.08 | 0 | 0.00 | 35.30 |
| HIMW-020S | 6/19/2017 | 70.43 | ND | 27.70 | ND | 36.72 | 0 | 0.00 | 42.73 |
| HIMW-020I | 6/19/2017 | 70.30 | ND | 27.56 | ND | 74.65 | 0 | 0.00 | 42.74 |

Table 2
Groundwater and NAPL Measurements
Second Quarter 2017
Hempstead Intersection Street Former MGP Site

| Well ID | Date | Elevation of TOR | Depth to LNAPL | Depth to Water | Depth to DNAPL | Well Depth | Thickness of LNAPL | Thickness of DNAPL | Corrected Potentiometric Head ⁽¹⁾ |
|----------|-----------|------------------|----------------|----------------|----------------|------------|--------------------|--------------------|--|
| | | [ft bgs] | [ft] | [ft] | [ft] | [ft] | [ft] | [ft] | [ft amsl] |
| HIMW-021 | 6/19/2017 | NM | ND | 22.08 | 43.50 | 45.30 | 0 | 1.80 | NM |
| HIMW-022 | 6/19/2017 | 74.07 | ND | 32.61 | ND | 64.42 | 0 | 0.00 | 41.46 |
| HIMW-023 | 6/19/2017 | 74.41 | ND | 32.78 | ND | 75.18 | 0 | 0.00 | 41.63 |
| HIMW-024 | 6/19/2017 | 59.83 | ND | 17.31 | ND | 54.82 | 0 | 0.00 | 42.52 |
| HIMW-025 | 6/19/2017 | 62.75 | ND | 19.71 | ND | 52.08 | 0 | 0.00 | 43.04 |
| HIMW-26I | 6/19/2017 | 68.13 | ND | 25.38 | ND | 84.83 | 0 | 0.00 | 42.75 |
| HIMW-26D | 6/19/2017 | 68.02 | ND | 25.52 | ND | 137.61 | 0 | 0.00 | 42.50 |
| HIMW-27S | 6/19/2017 | 69.49 | ND | 26.62 | ND | 41.21 | 0 | 0.00 | 42.87 |
| HIMW-27I | 6/19/2017 | 68.96 | ND | 26.06 | ND | 70.07 | 0 | 0.00 | 42.90 |
| HIMW-28S | 6/19/2017 | 69.87 | ND | 27.01 | ND | 41.38 | 0 | 0.00 | 42.86 |
| HIMW-28I | 6/19/2017 | 69.56 | ND | 26.82 | ND | 71.51 | 0 | 0.00 | 42.74 |
| PZ-02 | 6/19/2017 | 72.96 | ND | 28.22 | ND | 35.47 | 0 | 0.00 | 44.74 |
| PZ-03 | 6/19/2017 | 64.58 | ND | 20.05 | ND | 29.88 | 0 | 0.00 | 44.53 |
| OSMW-02 | 6/19/2017 | 71.59 | ND | 27.84 | ND | 45.12 | 0 | 0.00 | 43.75 |
| OSMW-03 | 6/19/2017 | 71.39 | ND | 27.39 | ND | 44.68 | 0 | 0.00 | 44.00 |

Notes:

- (1) Potentiometric heads in wells containing LNAPL are corrected using a specific gravity = 0.96

TOR top of riser
LNAPL light non-aqueous phase liquid
DNAPL dense non-aqueous phase liquid
ft bgs feet below ground surface
ft amsl feet above mean sea level
ND NAPL not detected
NM not measured

**Table 3
NAPL Recovery
Second Quarter 2017
Hempstead Intersection Street Former MGP Site**

| | | 2nd Quarter 2017 | | | | | | | | | | |
|--|------------------------|--------------------|--------------------|---------------------------------------|-------------------------|--------------------|---------------------------------------|--------------------|--------------------|---------------------------------------|--|-------------|
| Well ID | Well Diameter (inches) | April 11, 2017 | | | June 19, 2017 | | | June 30, 2017 | | | | |
| | | Thickness of LNAPL | Thickness of DNAPL | Volume of NAPL Removed ⁽¹⁾ | Thickness of LNAPL | Thickness of DNAPL | Volume of NAPL Removed ⁽¹⁾ | Thickness of LNAPL | Thickness of DNAPL | Volume of NAPL Removed ⁽¹⁾ | | |
| | | [ft] | [ft] | [gal] | [ft] | [ft] | [gal] | [ft] | [ft] | [gal] | | |
| HIMW-021 | 6 | ND | 1.9 | 1.25 | ND | 1.8 | 0.00 | ND | 1.8 | 2.70 | | |
| Volume of NAPL Removed: | | | | 1.25 | Volume of NAPL Removed: | | | | 0.00 | Volume of NAPL Removed: | | 2.70 |
| Total NAPL volume recovered during the Second Quarter 2017: | | | | | | | | | | 3.95 | | |

**Total volume of NAPL recovered in the
Second Quarter 2017:**

3.95 gallons

**Total volume of NAPL recovered from
April 2007 through Second Quarter 2017:**

854.5 gallons

Notes:

(1) Volume of product recovered was estimated by using the markings on a five gallon bucket.

LNAPL Light Non-Aqueous Phase Liquid
 DNAPL Dense Non-Aqueous Phase Liquid
 ND NAPL Not Detected
 NM Not Measured

Table 4

**Dissolved-Phase Concentrations of
Total BTEX and Total PAH Compounds
Second Quarter of 2017
Hempstead Intersection Street Former MGP Site**

| Well ID | Second Quarter 2017 June 20 to 29, 2017 | |
|-----------|--|---------------|
| | BTEX [µg/L] | PAH [µg/L] |
| HIMW-003S | ND | ND |
| HIMW-003I | ND | ND |
| HIMW-003D | ND | ND |
| HIMW-004S | | |
| HIMW-004I | | |
| HIMW-004D | | |
| HIMW-005S | ND | ND |
| HIMW-005I | 57 | 1,551 |
| HIMW-005D | 43 | 1,374 |
| HIMW-008S | ND | 3 |
| HIMW-008I | ND | ND |
| HIMW-008D | ND | ND |
| HIMW-009S | | |
| HIMW-009I | | |
| HIMW-009D | | |
| HIMW-010S | | |
| HIMW-010I | | |
| HIMW-011S | | |
| HIMW-011I | | |
| HIMW-011D | | |
| HIMW-012S | ND | ND |
| HIMW-012I | | |
| HIMW-012D | | |
| HIMW-013S | ND | ND |
| HIMW-013I | ND | ND |
| HIMW-013D | 2 | 17 |
| HIMW-014I | 3 | 19 |
| HIMW-014D | ND | ND |
| HIMW-015I | 3 | 5 |
| HIMW-015D | ND | ND |
| HIMW-020S | ND | ND |
| HIMW-020I | ND | ND |
| HIMW-021 | | |
| HIMW-022 | ND | ND |
| HIMW-023 | ND | ND |
| HIMW-024 | 1 | 205 |
| HIMW-025 | ND | ND |
| HIMW-026I | ND | ND |
| HIMW-026D | 39 | 879 |
| HIMW-027S | 1,322 | 1,677 |
| HIMW-027I | ND | ND |
| HIMW-028S | 90 | 379 |
| HIMW-028I | ND | ND |
| PZ-02 | | |
| PZ-03 | | |

Notes:

A blank field is "Not Sampled".

 NAPL is periodically identified in this well.

BTEX Benzene, Toluene, Ethylbenzene, Xylenes
 PAH Polycyclic Aromatic Hydrocarbons
 µg/L micrograms per liter
 ND Not Detected

**Table 5
Groundwater Treatment Performance Monitoring
Second Quarter 2017
Hempstead Intersection Street Former MGP Site**

System #1

| ID | April 25, 2017 | | | May 31, 2017 | | | June 30, 2017 | | |
|---------|----------------|-----------|--------------------------|--------------|-----------|--------------------------|---------------|-----------|--------------------------|
| | DTW (ft) | PID (ppm) | DO ⁽¹⁾ (mg/L) | DTW (ft) | PID (ppm) | DO ⁽¹⁾ (mg/L) | DTW (ft) | PID (ppm) | DO ⁽¹⁾ (mg/L) |
| MP-1-1S | 29.32 | 0.1 | 24.04 | 29.05 | 0.1 | 12.70 | 28.92 | 0.0 | 6.57 |
| MP-1-1D | 29.25 | 0.3 | 21.83 | 29.00 | 2.4 | 13.11 | 28.85 | 0.2 | 8.13 |
| MP-1-2S | 23.85 | 0.0 | 27.77 | 23.60 | 0.4 | 12.55 | 23.45 | 0.0 | 6.55 |
| MP-1-2D | 23.63 | 0.0 | 25.11 | 23.40 | 0.9 | 23.60 | 23.23 | 0.0 | 5.98 |
| MP-1-3S | 21.78 | 0.0 | 21.45 | 21.47 | 0.0 | 14.51 | 21.35 | 0.5 | 7.67 |
| MP-1-3D | 21.82 | 0.0 | 24.69 | 21.53 | 0.0 | 15.10 | 21.41 | 0.3 | 7.00 |
| MP-1-4S | 24.63 | 0.0 | 24.63 | 24.31 | 0.0 | 11.55 | 21.21 | 0.0 | 8.55 |
| MP-1-4D | 24.61 | 0.2 | 24.01 | 24.25 | 0.0 | 10.12 | 24.17 | 0.0 | 7.12 |
| MP-1-5 | 29.03 | 0.0 | 16.57 | 28.80 | 18.0 | 14.72 | 28.66 | 0.0 | 8.14 |
| MP-1-6 | 21.41 | 0.0 | 15.19 | 21.10 | 0.0 | 14.00 | 20.99 | 0.0 | 6.27 |
| MP-1-7 | 24.65 | 0.0 | 28.65 | 23.32 | 0.0 | 19.10 | 24.22 | 0.0 | 13.00 |
| MP-1-8 | 26.17 | 0.0 | 5.05 | 25.85 | 0.0 | 4.81 | 25.76 | 0.0 | 14.01 |

System #2

| ID | April 26, 2017 | | | May 30, 2017 | | | June 30, 2017 | | |
|---------|----------------|-----------|---------------------------------|--------------|-----------|---------------------------------|---------------|-----------|---------------------------------|
| | DTW (ft) | PID (ppm) | DO ⁽¹⁾ (mg/L) Bottom | DTW (ft) | PID (ppm) | DO ⁽¹⁾ (mg/L) Bottom | DTW (ft) | PID (ppm) | DO ⁽¹⁾ (mg/L) Bottom |
| MP-2-1 | 32.17 | 0.0 | 28.00 | 38.85 | 0.0 | 14.02 | 37.70 | 0.7 | 22.54 |
| MP-2-2 | 33.50 | 0.0 | 27.25 | 33.20 | 0.0 | 21.49 | 33.05 | 0.0 | 23.41 |
| MP-2-3S | 33.41 | 0.0 | 25.14 | 33.05 | 0.0 | 27.42 | 32.92 | 0.0 | 26.84 |
| MP-2-3D | 33.52 | 0.0 | 26.84 | 33.20 | 0.0 | 30.25 | 33.10 | 0.0 | 27.12 |
| MP-2-4 | 22.10 | 0.0 | 21.26 | 21.75 | 0.0 | 19.45 | 19.81 | 1.3 | 18.47 |
| MP-2-5 | 20.29 | 0.0 | 23.63 | 19.90 | 0.0 | 15.60 | 21.64 | 0.0 | 25.55 |

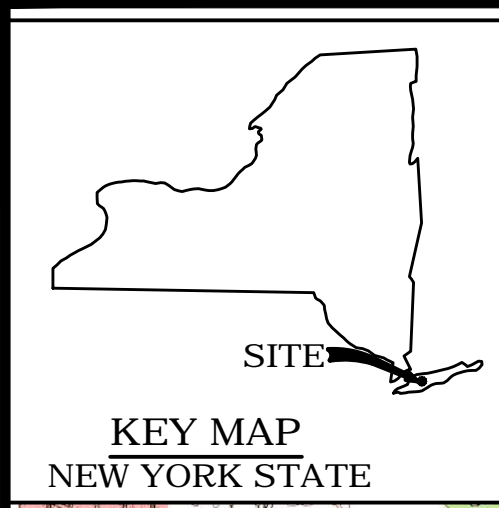
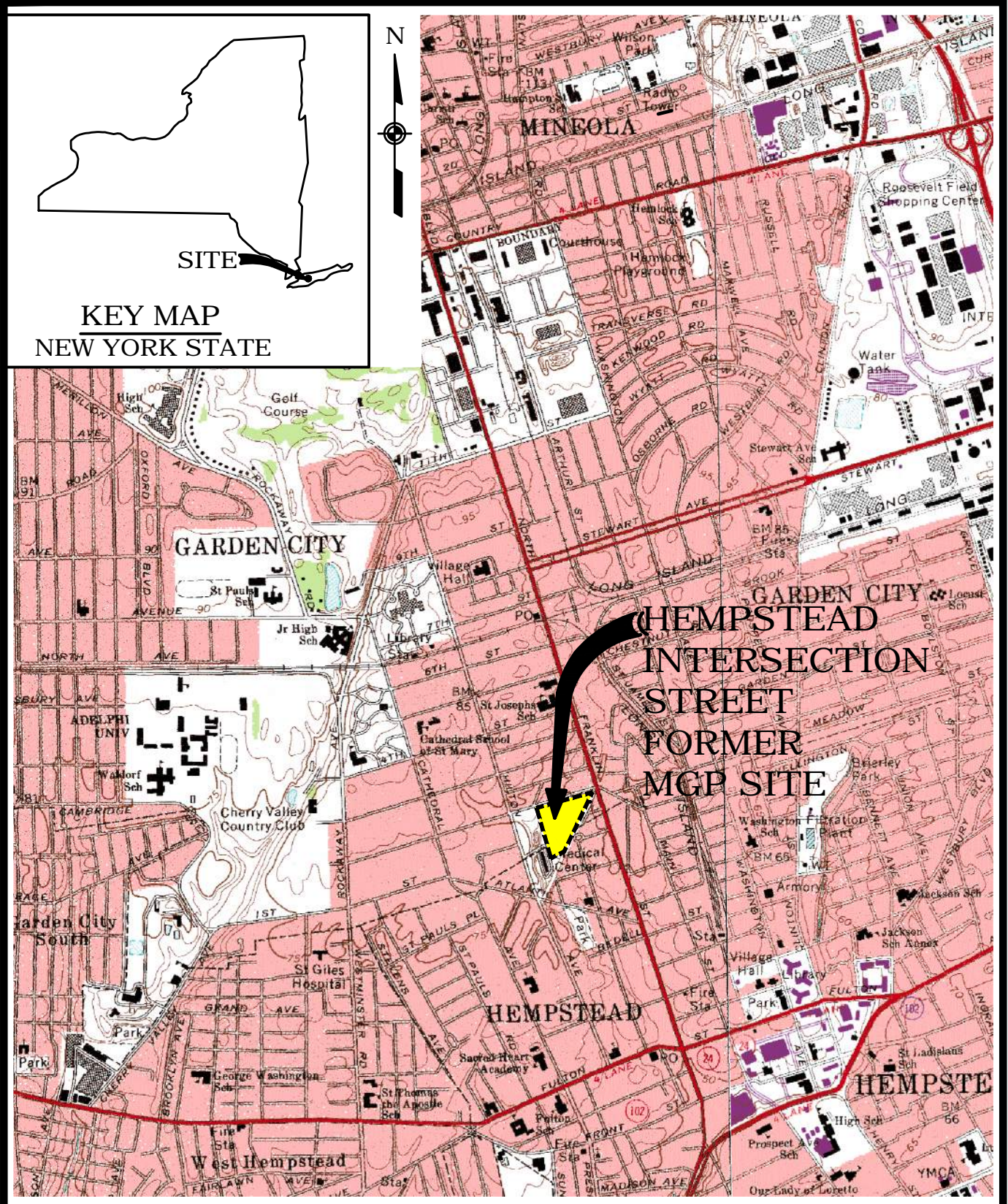
Abbreviations

- DTW: Depth to water (feet)
- O₂: Oxygen measurement of well headspace (percent oxygen)
- PID: Photoionization Detector measurement of well headspace (parts per million)
- DO: Dissolved Oxygen concentration (percent or milligrams per liter)
- NA: Not Accessible
- NM: Not Measured
- ppm: parts per million
- mg/L: milligrams per liter
- ft: feet

Note

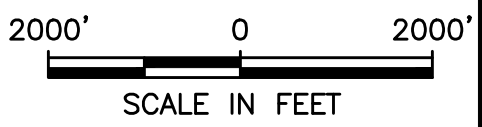
(1) DO Headspace monitor oxygen detection limit is 40.0%; normal oxygen level in air is 20.9%

FIGURES



NATIONAL GRID
HEMPSTEAD INTERSECTION STREET
FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY

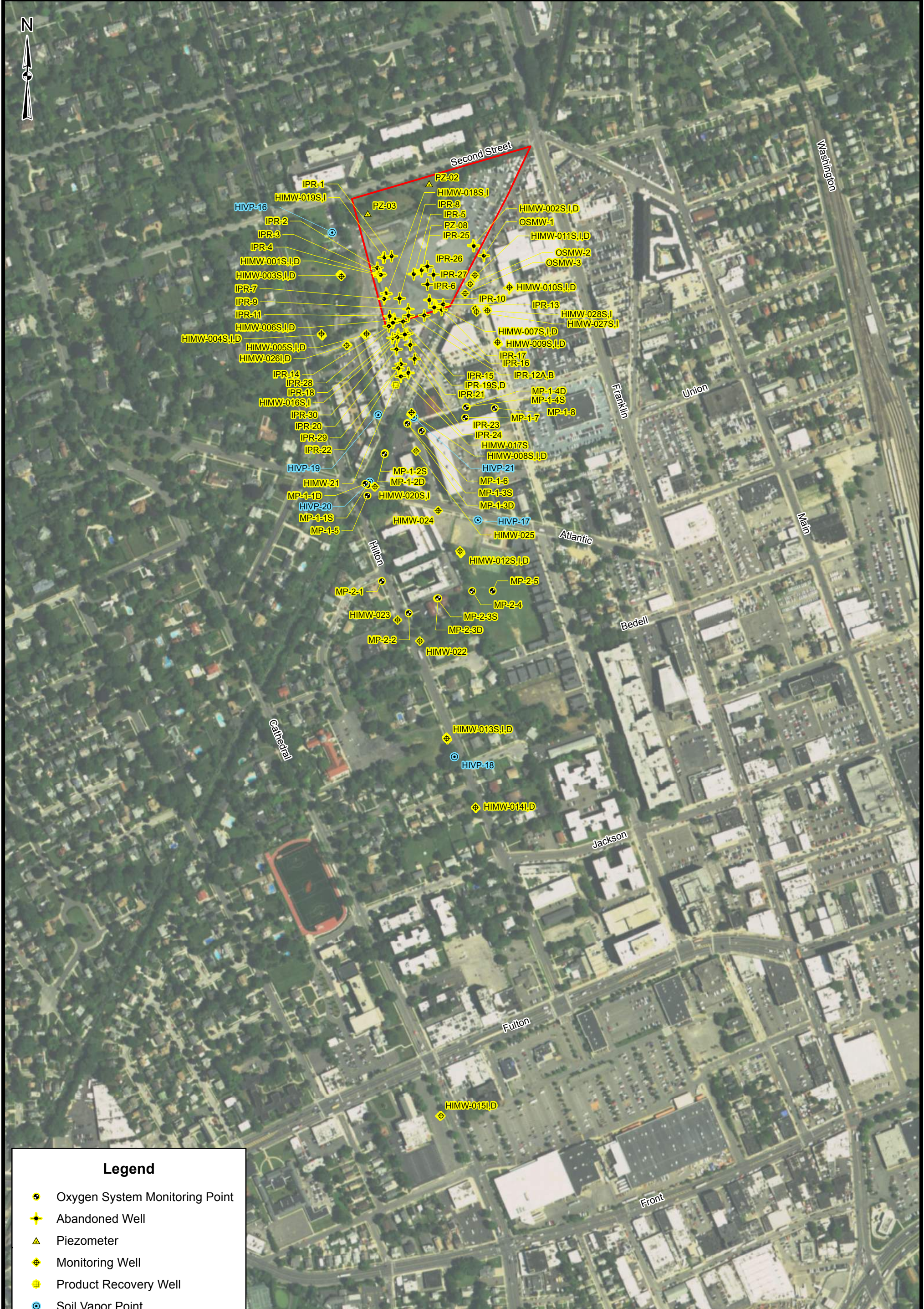
SOURCE:
USGS 7.5 MINUTE SERIES
TOPOGRAPHICAL QUADRANGLES:
FREEPORT, NY (1969)
LYNBROOK, NY (1969)



URS Corporation

LOCATION MAP

FIGURE 1



Legend

- Oxygen System Monitoring Point
- Abandoned Well
- Piezometer
- Monitoring Well
- Product Recovery Well
- Soil Vapor Point
- Former MGP Site Boundary

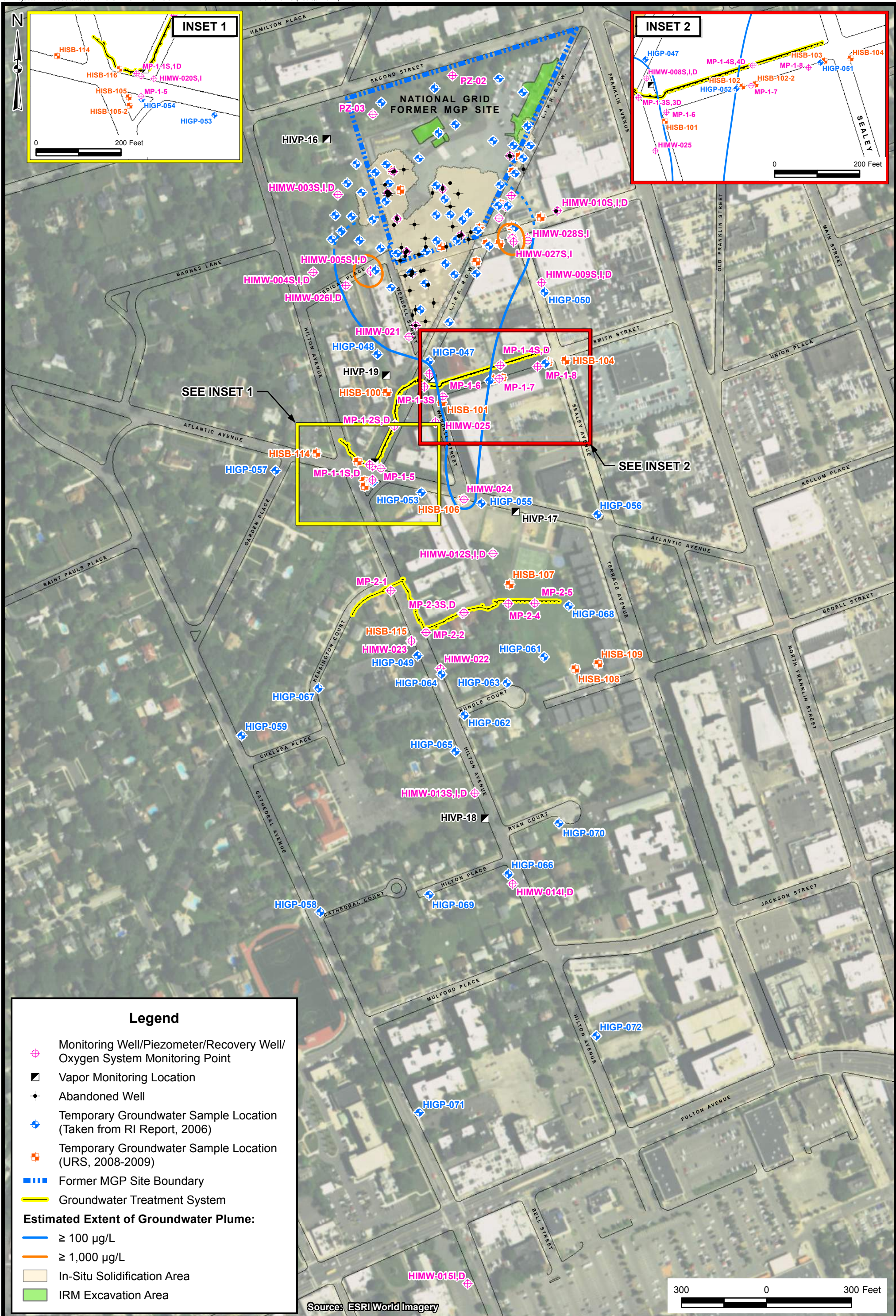
SOURCE: ESRI World Imagery

400 0 400 Feet



NATIONAL GRID HEMPSTEAD INTERSECTION STREET FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY
SITE MAP - JUNE 2017

FIGURE 2



| HIMW-003S,I,D | | |
|---------------|------------|-----------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 23-33 | ND-36(ND) | ND(ND) |
| 80.5-90.5 | ND-13(ND) | ND(ND) |
| 133-143 | ND-8.2(ND) | ND-30(ND) |

| HIMW-008S,I,D | | |
|---------------|--------------|-------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 25-35 | ND-8,240(ND) | ND-3,069(3) |
| 63-73 | ND-457(ND) | ND-251(ND) |
| 102-112 | ND-16(ND) | ND-46(ND) |

| HIMW-011S,I | | |
|-------------|------------|--------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 28-38 | 603-13,920 | 2,813-13,076 |
| 80-90 | ND-49 | ND-3 |

| HIMW-014 I,D | | |
|--------------|-----------|------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 85-95 | 3-273(3) | 19-288(19) |
| 140-150 | ND-15(ND) | ND-6(ND) |

| HIMW-022 | | |
|----------|-----------|-----------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 54-64 | ND-83(ND) | ND-91(ND) |

| HIMW-025 | | |
|----------|--------------|------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 42-52 | ND-1,320(ND) | ND-573(ND) |

| HIMW-028S,I | | |
|-------------|------------|-------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 20-40 | ND-213(90) | 10-738(379) |
| 50-70 | ND(ND) | ND(ND) |

| HIMW-004S,I,D | | |
|---------------|-----------|-----------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 30-40 | ND-4 | ND-1 |
| 80-90 | ND-13 | ND |
| 167-177 | ND-4 | ND-1 |

| HIMW-009S,I,D | | |
|---------------|-----------|-----------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 28-38 | ND-16 | ND-8 |
| 70-80 | ND-2 | ND |
| 113-123 | ND-16 | ND-10 |

| HIMW-012S,I,D | | |
|---------------|--------------|--------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 22-32 | ND-338.8(ND) | ND-1,391(ND) |
| 63-73 | 6-256 | 65-527 |
| 117-127 | ND-6 | ND-2 |

| HIMW-015 I,D | | |
|--------------|-----------|-----------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 80-90 | 1-111(3) | ND-273(5) |
| 141.5-151.5 | ND-94(ND) | ND-1(ND) |

| HIMW-023 | | |
|----------|-----------|-----------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 66-76 | ND-43(ND) | ND-43(ND) |

| HIMW-26 I, D | | |
|--------------|-----------|----------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 65-85 | ND(ND) | ND-3(ND) |
| 115-135 | 14-87(39) | 118-1,749(879) |

| OSMW-02 | | |
|---------|-----------|-----------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 30-40 | 2,604 | 3,517 |

| HIMW-005S,I,D | | |
|---------------|------------|------------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 27-37 | ND-232(ND) | ND-765(ND) |
| 80-90 | 50-439(57) | 891-5,337(1,551) |
| 130-140 | ND-359(43) | ND-2,698(1,374) |

| HIMW-010S,I,D | | |
|---------------|-----------|-----------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 28-38 | ND-33 | 1-150 |
| 80.5-90.5 | ND-13 | ND |
| 112.5-132.5 | ND-16 | ND |

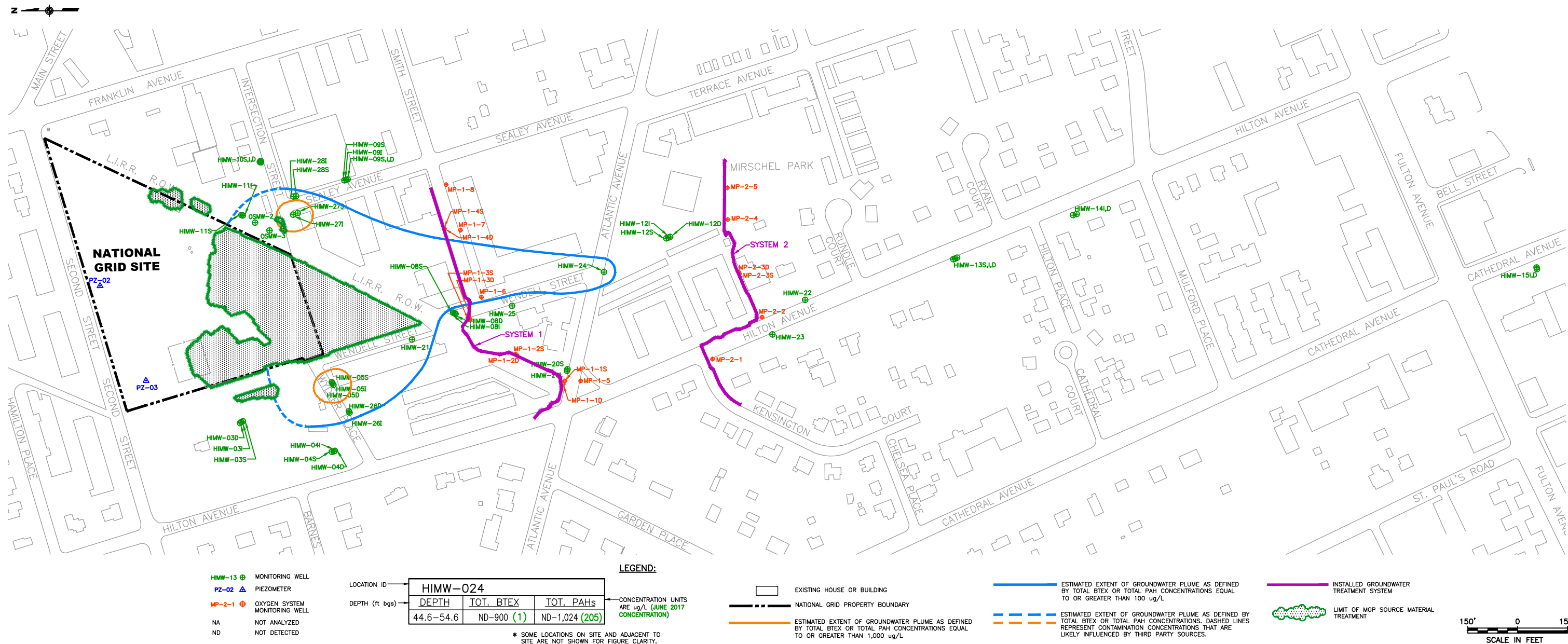
| HIMW-013S,I,D | | |
|---------------|------------|------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 38-48 | ND-11(ND) | ND(ND) |
| 70-80 | ND-313(ND) | ND-156(ND) |
| 110-120 | 2-30(2) | ND-28(17) |

| HIMW-020S,I | | |
|-------------|------------|--------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 25-35 | ND-3(ND) | ND-5(ND) |
| 63-73 | ND-474(ND) | ND-3,968(ND) |

| HIMW-024 | | |
|-----------|-----------|---------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 44.6-54.6 | ND-900(1) | ND-1,024(205) |

| HIMW-027S, I | | |
|--------------|------------------|------------------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 20-40 | 447-1,483(1,322) | 695-1,807(1,677) |
| 50-70 | ND-2(ND) | ND-17(ND) |

| OSMW-03 | | |
|---------|-----------|-----------|
| DEPTH | TOT. BTEX | TOT. PAHs |
| 29-39 | 4,301 | 2,911 |

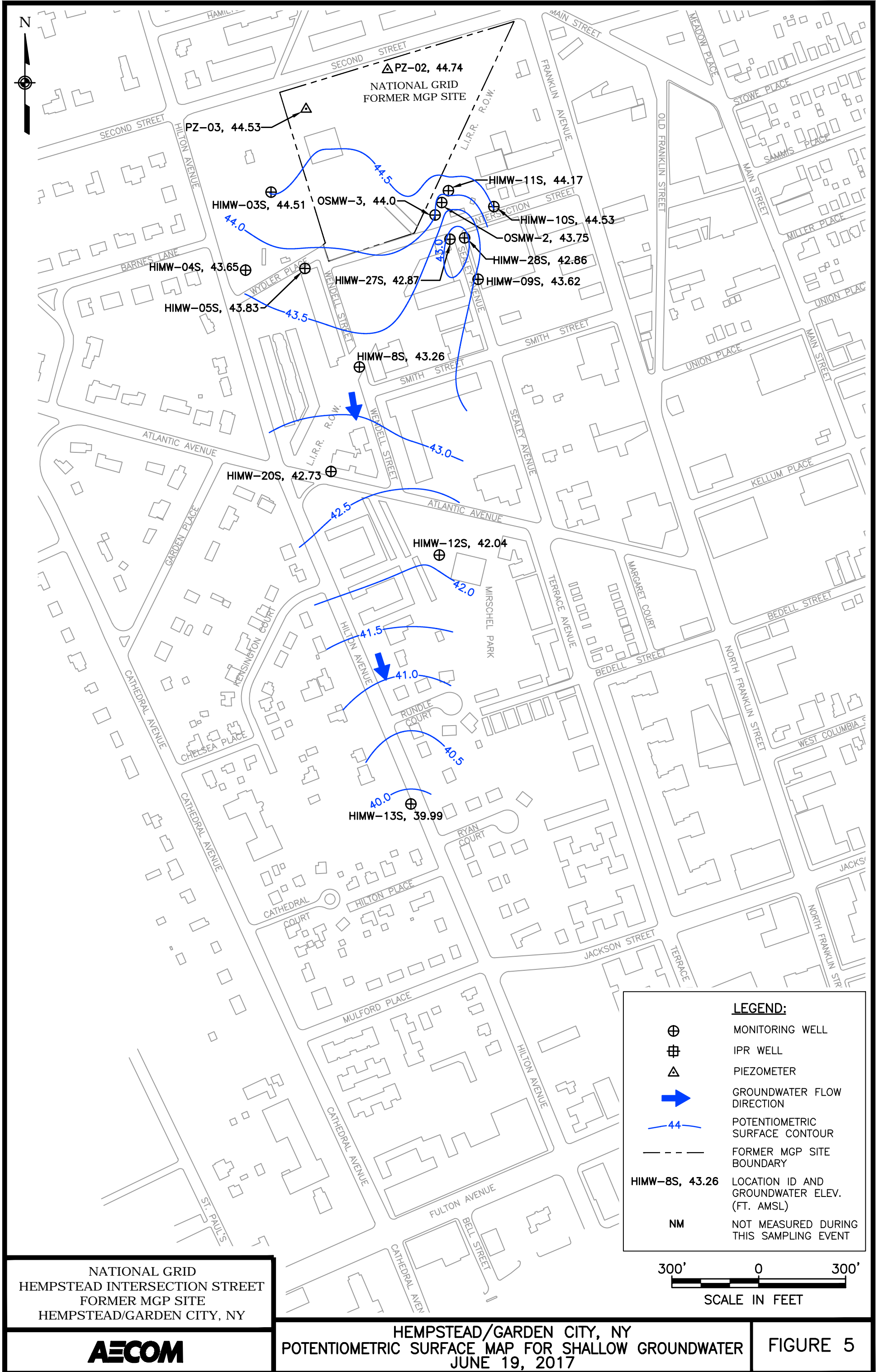


NATIONAL GRID
HEMPSTEAD INTERSECTION STREET
FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY

EXTENT OF DISSOLVED-PHASE
PLUME AND GROUNDWATER
ANALYTICAL RESULTS -
JUNE 2017

FIGURE 4

J:\Projects\1175065.00000\CAD\DRAWING\TASK2\HEMPSTEAD\GROUNDWATER MONITORING\SECOND QUARTER 2017\FIGURE 4.dwg 9/19/17 - 5 RAL



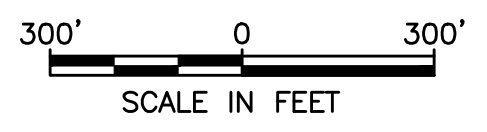
NATIONAL GRID
HEMPSTEAD INTERSECTION STREET
FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY

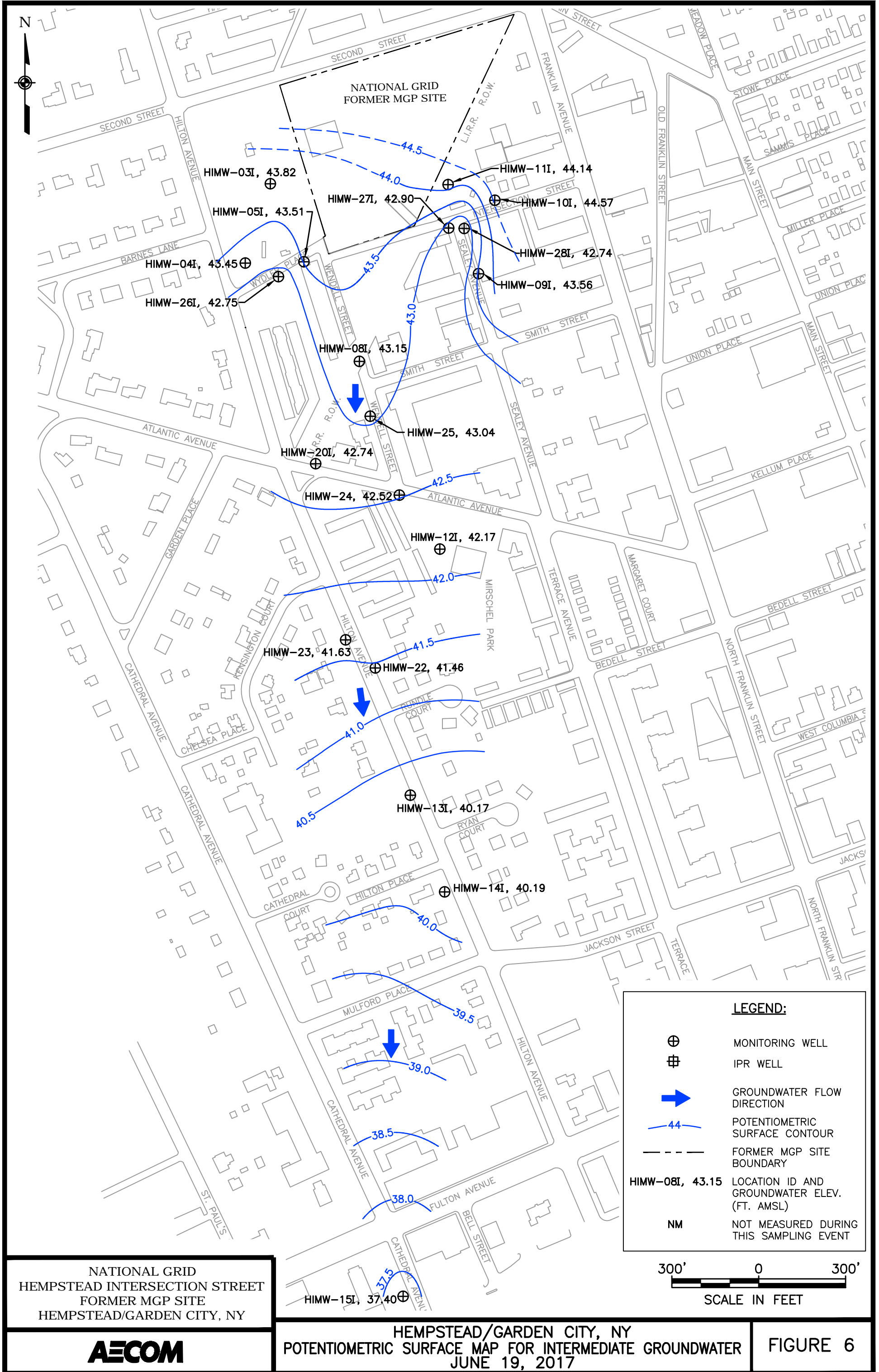


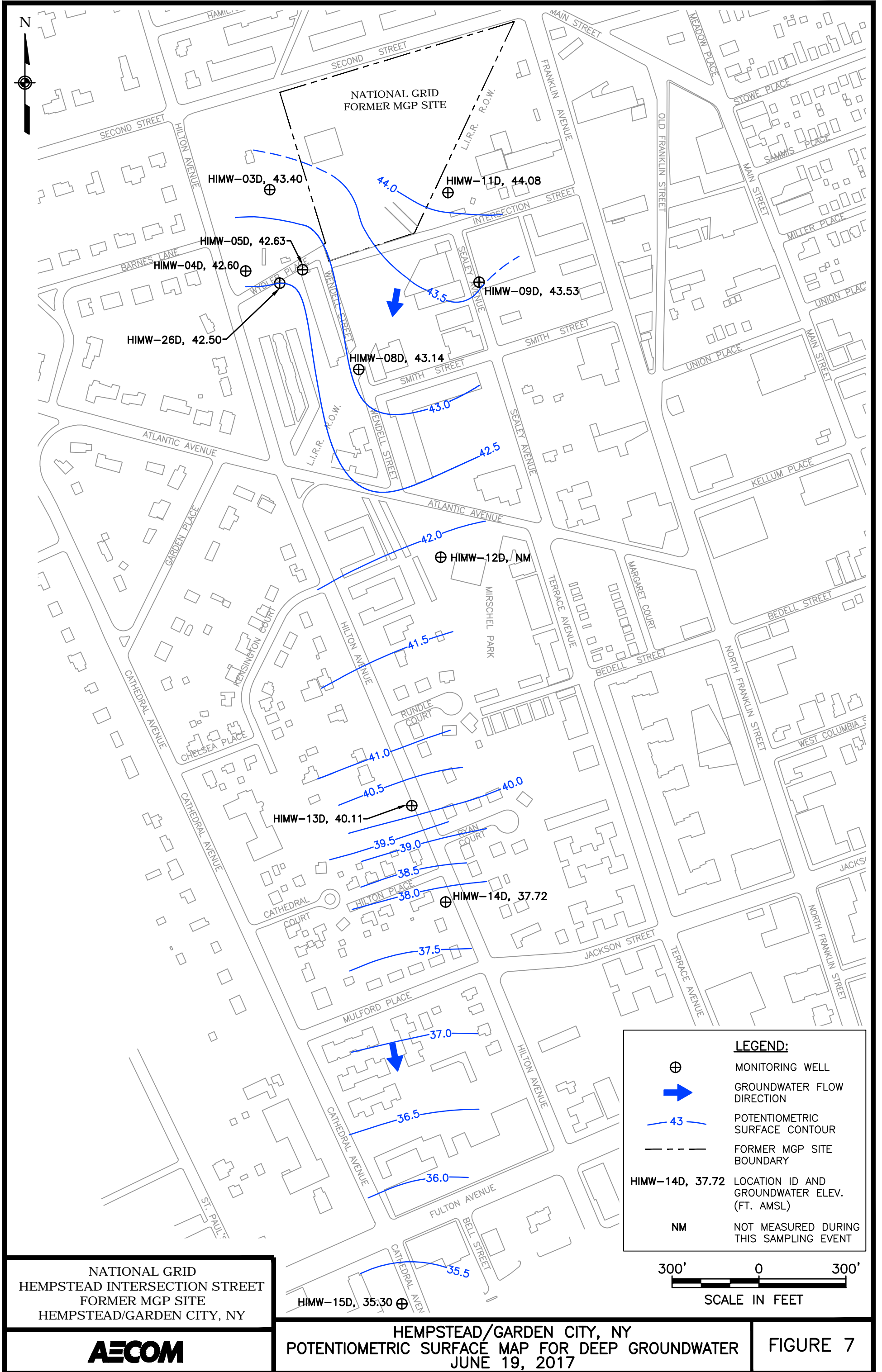
HEMPSTEAD/GARDEN CITY, NY
POTENTIOMETRIC SURFACE MAP FOR SHALLOW GROUNDWATER
JUNE 19, 2017

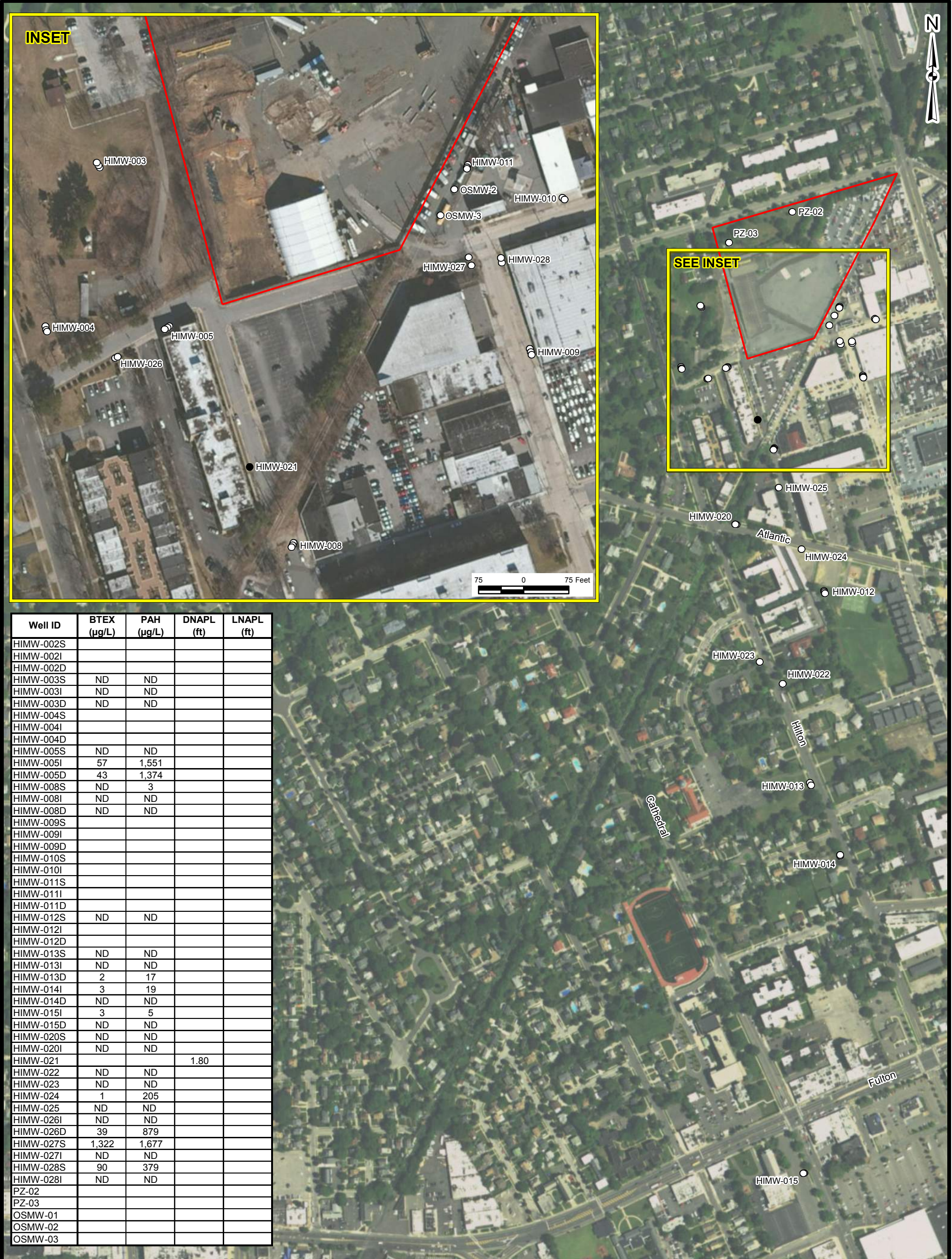
FIGURE 5

| LEGEND: | |
|----------------|--|
| | MONITORING WELL |
| | IPR WELL |
| | PIEZOMETER |
| | GROUNDWATER FLOW DIRECTION |
| | POTENTIOMETRIC SURFACE CONTOUR |
| | FORMER MGP SITE BOUNDARY |
| HIMW-8S, 43.26 | LOCATION ID AND GROUNDWATER ELEV. (FT. AMSL) |
| NM | NOT MEASURED DURING THIS SAMPLING EVENT |





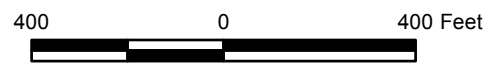




Legend

- Monitoring Well - Product Detected
- Monitoring Well - Product Not Detected
- Former MGP Site Boundary

Notes:
 LOCID - Location Identifier
 BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes
 PAH - Polynuclear Aromatic Hydrocarbons
 DNAPL - Dense Non-Aqueous Phase Liquid
 LNAPL - Light Non-Aqueous Phase Liquid
 µg/L - Micrograms per Liter
 ft - Feet of Product Thickness
 ND - Non Detect



Source: ESRI World Imagery



HEMPSTEAD/GARDEN CITY, NY
 TOTAL DISSOLVED-PHASE BTEX/PAH CONCENTRATIONS
 SECOND QUARTER 2017

FIGURE 8

APPENDIX A

DATA USABILITY SUMMARY REPORT

(Provided in Electronic Format Only)

**APPENDIX A
DATA USABILITY SUMMARY REPORT
SECOND 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:

**URS CORPORATION
257 WEST GENESEE STREET, SUITE 400
BUFFALO, NY 14202-2657**

September 2017

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| III. DATA DELIVERABLE COMPLETENESS | A-2 |
| IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES..... | A-2 |
| V. NON-CONFORMANCES | A-2 |
| VI. SAMPLE RESULTS AND REPORTING..... | A-3 |
| VII. SUMMARY | A-3 |

TABLES (Following Text)

| | |
|-----------|---|
| Table A-1 | Validated Groundwater Sample Analytical Results |
| Table A-2 | Validated Field QC Sample Analytical Results |

APPENDICES (Following Tables)

| | |
|--------------|-----------------------|
| Attachment A | Validated Form 1's |
| Attachment B | Support Documentation |

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 June 20-27, 2017. Six (6) of the groundwater samples (i.e., HIMW-26I, -26D, -27S, -27I, -28S, and -28I) were collected as part of the oxygen treatment system design evaluation, while the remaining twenty three (23) groundwater samples were collected as part of the 2016 2nd 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). All samples were analyzed within the required holding times.

V. NON-CONFORMANCES

The percent differences (%D) between the ICAL average RRFs and the RRFs in the continuing calibration (CCAL) standards were greater than 20% for one or more of the following SVOCs: 2-methylnaphthalene and pyrene. The non-detect results for these compounds in the samples in WO# 7022589 were qualified 'UJ' and the detected results were qualified 'J'.

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-28S, 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 'UJ' (estimated quantitation limit) or 'J' (estimated concentration) during the data review are considered conditionally usable. URS does not recommend the re-collection of any samples at this time.

Prepared By: 
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Date: 9/18/17

Reviewed By: 
George E. Kisluk, Senior Chemist

Date: 9/18/17

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
SECOND 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 | | | 06/21/17 | 06/21/17 | 06/21/17 | 06/29/17 | 06/29/17 |
| Parameter | Units | Criteria* | | | | | |
| 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 | 1.1 | 1.0 U |
| Xylene (total) | UG/L | - | 2.0 U | 2.0 U | 2.0 U | 42.2 | 57.4 |
| Total BTEX | UG/L | 100 | ND | ND | ND | 43.3 | 57.4 |
| Semivolatile Organic Compounds | | | | | | | |
| 2-Methylnaphthalene | UG/L | - | 5.0 U | 5.0 U | 5.0 U | 199 DJ | 216 DJ |
| Acenaphthene | UG/L | - | 5.0 U | 5.0 U | 5.0 U | 4.2 | 11.9 |
| Acenaphthylene | UG/L | - | 5.0 U | 5.0 U | 5.0 U | 71.4 | 179 D |
| Anthracene | UG/L | - | 5.0 U | 5.0 U | 5.0 U | 5.0 U | 2.3 |
| 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 | 9.4 | 24.1 |
| 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 | 1,090 D | 1,100 D |
| Phenanthrene | UG/L | - | 5.0 U | 5.0 U | 5.0 U | 5.0 U | 17.5 |
| Pyrene | UG/L | - | 5.0 U | 5.0 U | 5.0 U | 5.0 UJ | 5.0 UJ |
| Total Polynuclear Aromatic Hydrocarbons | UG/L | 100 | ND | ND | ND | 1,374 | 1,550.8 |

*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

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit.

D - Result reported from a secondary dilution analysis.

Made By: AMK 9/14/17; Checked By: GEK 9/18/17

Detection Limits shown are PQL

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
SECOND 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 | | | 06/29/17 | 06/26/17 | 06/26/17 | 06/28/17 | 06/23/17 |
| Parameter | Units | Criteria* | | | | | |
| 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 | - | 5.0 UJ | 5.0 UJ | 5.0 UJ | 5.0 UJ | 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 | 2.3 | 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 | 1.1 | 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 UJ | 5.0 UJ | 5.0 UJ | 5.0 UJ | 5.0 U |
| Total Polynuclear Aromatic Hydrocarbons | UG/L | 100 | ND | ND | ND | 3.4 | 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

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit.

D - Result reported from a secondary dilution analysis.

Made By: AMK 9/14/17; Checked By: GEK 9/18/17

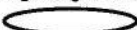
Detection Limits shown are PQL

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

| Location ID | | | HIMW-013D | HIMW-013D | HIMW-013I | HIMW-013S | HIMW-014D |
|---|-------|-----------|-----------------------|-------------|-------------|-------------|-------------|
| Sample ID | | | DUP20170622 | HIMW-13D | HIMW-13I | HIMW-13S | HIMW-14D |
| Matrix | | | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater |
| Depth Interval (ft) | | | - | - | - | - | - |
| Date Sampled | | | 06/22/17 | 06/22/17 | 06/22/17 | 06/22/17 | 06/23/17 |
| Parameter | Units | Criteria* | Field Duplicate (1-1) | | | | |
| Volatile Organic Compounds | | | | | | | |
| Benzene | UG/L | - | 1.6 | 1.5 | 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 | 1.6 | 1.5 | ND | 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 | - | 4.9 | 5.0 | 5.0 U | 5.0 U | 5.0 U |
| Acenaphthylene | UG/L | - | 12.1 | 12.2 | 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 | 17 | 17.2 | 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.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit.

D - Result reported from a secondary dilution analysis.

Made By: AMK 9/14/17; Checked By: GEK 9/18/17


Detection Limits shown are PQL

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
SECOND 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 | | | 06/23/17 | 06/20/17 | 06/20/17 | 06/26/17 | 06/26/17 |
| Parameter | Units | Criteria* | | | | | |
| Volatile Organic Compounds | | | | | | | |
| Benzene | UG/L | - | 2.7 | 1.0 U | 3.4 | 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 | 2.7 | ND | 3.4 | ND | ND |
| Semivolatile Organic Compounds | | | | | | | |
| 2-Methylnaphthalene | UG/L | - | 5.0 U | 5.0 U | 5.0 U | 5.0 UJ | 5.0 UJ |
| Acenaphthene | UG/L | - | 5.9 | 5.0 U | 5.0 U | 5.0 U | 5.0 U |
| Acenaphthylene | UG/L | - | 8.3 | 5.0 U | 5.1 | 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 | - | 2.1 | 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 | - | 2.7 | 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 UJ | 5.0 UJ |
| Total Polynuclear Aromatic Hydrocarbons | UG/L | 100 | 19 | ND | 5.1 | 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.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit.

D - Result reported from a secondary dilution analysis.

Made By: AMK 9/14/17; Checked By: GEK 9/18/17


Detection Limits shown are PQL

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
SECOND 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 | HIMW-26D |
| Matrix | | | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater |
| Depth Interval (ft) | | | - | - | - | - | - |
| Date Sampled | | | 06/21/17 | 06/20/17 | 06/27/17 | 06/27/17 | 06/27/17 |
| Parameter | Units | Criteria* | | | | | |
| 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 | 1.0 | 2.0 U | 38.7 |
| Total BTEX | UG/L | 100 | ND | ND | 1 | ND | 38.7 |
| Semivolatile Organic Compounds | | | | | | | |
| 2-Methylnaphthalene | UG/L | - | 5.0 U | 5.0 U | 11.2 J | 5.0 UJ | 127 DJ |
| Acenaphthene | UG/L | - | 5.0 U | 5.0 U | 1.7 | 5.0 U | 4.4 |
| Acenaphthylene | UG/L | - | 5.0 U | 5.0 U | 20.0 | 5.0 U | 78.9 |
| 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 | 5.0 U | 11.3 |
| 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 | 166 D | 5.0 U | 645 D |
| Phenanthrene | UG/L | - | 5.0 U | 5.0 U | 1.2 | 5.0 U | 12.4 |
| Pyrene | UG/L | - | 5.0 U | 5.0 U | 5.0 UJ | 5.0 UJ | 5.0 UJ |
| Total Polynuclear Aromatic Hydrocarbons | UG/L | 100 | ND | ND | 205.1 | ND | 879 |

*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

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit.

D - Result reported from a secondary dilution analysis.

Made By: AMK 9/14/17; Checked By: GEK 9/18/17

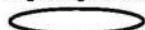
Detection Limits shown are PQL

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

| Location ID | | | HIMW-026I | HIMW-027I | HIMW-027S | HIMW-028I | HIMW-028S |
|---|-------|-----------|-------------|-------------|-------------|-------------|-----------------------|
| Sample ID | | | HIMW-26I | HIMW-27I | HIMW-27S | HIMW-28I | DUPE20170628 |
| Matrix | | | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater |
| Depth Interval (ft) | | | - | - | - | - | - |
| Date Sampled | | | 06/27/17 | 06/28/17 | 06/28/17 | 06/28/17 | 06/28/17 |
| Parameter | Units | Criteria* | | | | | Field Duplicate (1-1) |
| Volatile Organic Compounds | | | | | | | |
| Benzene | UG/L | - | 1.0 U | 1.0 U | 11.1 | 1.0 U | 4.1 |
| Ethylbenzene | UG/L | - | 1.0 U | 1.0 U | 618 D | 1.0 U | 76.5 |
| Toluene | UG/L | - | 1.0 U | 1.0 U | 29.1 | 1.0 U | 1.0 U |
| Xylene (total) | UG/L | - | 2.0 U | 2.0 U | 664 D | 2.0 U | 4.8 |
| Total BTEX | UG/L | 100 | ND | ND | 1,322.2 | ND | 85.4 |
| Semivolatile Organic Compounds | | | | | | | |
| 2-Methylnaphthalene | UG/L | - | 5.0 UJ | 5.0 UJ | 351 DJ | 5.0 UJ | 40.7 J |
| Acenaphthene | UG/L | - | 5.0 U | 5.0 U | 103 D | 5.0 U | 34.8 |
| Acenaphthylene | UG/L | - | 5.0 U | 5.0 U | 5.0 U | 5.0 U | 5.0 U |
| Anthracene | UG/L | - | 5.0 U | 5.0 U | 12.1 | 5.0 U | 4.5 |
| 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 | 3.3 | 5.0 U | 5.0 U |
| Fluorene | UG/L | - | 5.0 U | 5.0 U | 41.4 | 5.0 U | 19.5 |
| 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 | 1,100 D | 5.0 U | 275 D |
| Phenanthrene | UG/L | - | 5.0 U | 5.0 U | 61.4 | 5.0 U | 25.8 |
| Pyrene | UG/L | - | 5.0 UJ | 5.0 UJ | 4.4 J | 5.0 UJ | 5.0 UJ |
| Total Polynuclear Aromatic Hydrocarbons | UG/L | 100 | ND | ND | 1,676.6 | ND | 400.3 |

*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

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit.

D - Result reported from a secondary dilution analysis.

Made By: AMK 9/14/17; Checked By: GEK 9/18/17

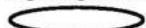
Detection Limits shown are PQL

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

| Location ID | | | HIMW-028S |
|---|-------|-----------|-------------|
| Sample ID | | | HIMW-028S |
| Matrix | | | Groundwater |
| Depth Interval (ft) | | | - |
| Date Sampled | | | 06/28/17 |
| Parameter | Units | Criteria* | |
| Volatile Organic Compounds | | | |
| Benzene | UG/L | - | 4.1 |
| Ethylbenzene | UG/L | - | 80.9 |
| Toluene | UG/L | - | 1.0 U |
| Xylene (total) | UG/L | - | 5.2 |
| Total BTEX | UG/L | 100 | 90.2 |
| Semivolatile Organic Compounds | | | |
| 2-Methylnaphthalene | UG/L | - | 38.6 J |
| Acenaphthene | UG/L | - | 31.4 |
| Acenaphthylene | UG/L | - | 5.0 U |
| Anthracene | UG/L | - | 4.0 |
| 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 | - | 17.5 |
| Indeno(1,2,3-cd)pyrene | UG/L | - | 5.0 U |
| Naphthalene | UG/L | - | 264 D |
| Phenanthrene | UG/L | - | 23.6 |
| Pyrene | UG/L | - | 5.0 UJ |
| Total Polynuclear Aromatic Hydrocarbons | UG/L | 100 | 379.1 |

*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

J - The reported concentration is an estimated value.

U - Not detected above the reported quantitation limit.

D - Result reported from a secondary dilution analysis.

Made By: AMK 9/14/17; Checked By: GEK 9/18/17

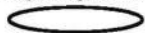
Detection Limits shown are PQL

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

| Location ID | | | FIELDQC | FIELDQC | FIELDQC | FIELDQC | FIELDQC |
|---|-------|-----------|------------------|------------------|------------------|------------------|-------------------|
| Sample ID | | | TB20170620 | TB20170622 | TB20170623 | TB20170627 | FB20170629 |
| Matrix | | | Water Quality | Water Quality | Water Quality | Water Quality | Water Quality |
| Depth Interval (ft) | | | - | - | - | - | - |
| Date Sampled | | | 06/20/17 | 06/22/17 | 06/23/17 | 06/27/17 | 06/29/17 |
| 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 UJ |
| 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 UJ |
| 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. UJ - Not detected. The reported quantitation limit is an estimated value.

Made By: AMK 9/14/17; Checked By: GEK 9/18/17


Detection Limits shown are PQL

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

| Location ID | | | FIELDQC |
|---|-------|-----------|------------------|
| Sample ID | | | TB20170629 |
| Matrix | | | Water Quality |
| Depth Interval (ft) | | | - |
| Date Sampled | | | 06/29/17 |
| 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. UJ - Not detected. The reported quantitation limit is an estimated value.

Made By: AMK 9/14/17; Checked By: GEK 9/18/17

Detection Limits shown are PQL

ATTACHMENT A
VALIDATED FORM 1'S

ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022178

Sample: HIMW-03D Lab ID: 7022178001 Collected: 06/21/17 09:20 Received: 06/22/17 15:25 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 | 06/23/17 09:31 | 06/26/17 15:08 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 206-44-0 | R1 |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 69 | % | 35-114 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 74 | % | 43-116 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 84 | % | 33-141 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 1718-51-0 | |
| Phenol-d5 (S) | 25 | % | 10-110 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 4165-62-2 | |
| 2-Fluorophenol (S) | 44 | % | 21-110 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 367-12-4 | CC |
| 2,4,6-Tribromophenol (S) | 72 | % | 10-123 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 55 | % | 33-110 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 53 | % | 16-110 | 1 | 06/23/17 09:31 | 06/26/17 15:08 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 15:46 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 15:46 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 15:46 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 15:46 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 99 | % | 68-153 | 1 | | 06/25/17 15:46 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 102 | % | 79-124 | 1 | | 06/25/17 15:46 | 460-00-4 | |
| Toluene-d8 (S) | 86 | % | 69-124 | 1 | | 06/25/17 15:46 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022178

Sample: HIMW-031 Lab ID: 7022178002 Collected: 06/21/17 10:30 Received: 06/22/17 15:25 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 | 06/23/17 09:31 | 06/26/17 16:32 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 78 | % | 35-114 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 82 | % | 43-116 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 60 | % | 33-141 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 1718-51-0 | |
| Phenol-d5 (S) | 28 | % | 10-110 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 4165-62-2 | |
| 2-Fluorophenol (S) | 29 | % | 21-110 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 367-12-4 | CC |
| 2,4,6-Tribromophenol (S) | 69 | % | 10-123 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 64 | % | 33-110 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 56 | % | 16-110 | 1 | 06/23/17 09:31 | 06/26/17 16:32 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 16:05 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 16:05 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 16:05 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 16:05 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 105 | % | 68-153 | 1 | | 06/25/17 16:05 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 106 | % | 79-124 | 1 | | 06/25/17 16:05 | 460-00-4 | |
| Toluene-d8 (S) | 88 | % | 69-124 | 1 | | 06/25/17 16:05 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022178

| Sample: | Lab ID: | Collected: | Received: | Matrix: | | | | |
|------------------------------------|------------|----------------|----------------|---------|-------------------------------|----------------|------------|------|
| HIMW-03S | 7022178003 | 06/21/17 11:30 | 06/22/17 15:25 | 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 | 06/23/17 09:31 | 06/26/17 16:59 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 83 | % | 35-114 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 83 | % | 43-116 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 84 | % | 33-141 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 1718-51-0 | |
| Phenol-d5 (S) | 31 | % | 10-110 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 4165-62-2 | |
| 2-Fluorophenol (S) | 47 | % | 21-110 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 367-12-4 | CC |
| 2,4,6-Tribromophenol (S) | 78 | % | 10-123 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 71 | % | 33-110 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 62 | % | 16-110 | 1 | 06/23/17 09:31 | 06/26/17 16:59 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 16:25 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 16:25 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 16:25 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 16:25 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 100 | % | 68-153 | 1 | | 06/25/17 16:25 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 105 | % | 79-124 | 1 | | 06/25/17 16:25 | 460-00-4 | |
| Toluene-d8 (S) | 89 | % | 69-124 | 1 | | 06/25/17 16:25 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-05D Lab ID: 7022589017 Collected: 06/29/17 09:32 Received: 06/29/17 13:45 Matrix: Water

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

8270 MSSV

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

| | | | | | | | | |
|------------------------|------|------|-----|----|----------------|----------------|----------|----|
| Acenaphthene | 4.2J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 83-32-9 | |
| Acenaphthylene | 71.4 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 206-44-0 | |
| Fluorene | 9.4 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 193-39-5 | |
| 2-Methylnaphthalene | 199 | ug/L | 100 | 20 | 06/30/17 09:01 | 07/05/17 20:08 | 91-57-6 | CC |
| Naphthalene | 1090 | ug/L | 100 | 20 | 06/30/17 09:01 | 07/05/17 20:08 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 129-00-0 | |

Surrogates

| | | | | | | | | |
|----------------------------|-----|---|--------|---|----------------|----------------|------------|----|
| Nitrobenzene-d5 (S) | 66 | % | 35-114 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 90 | % | 43-116 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 128 | % | 33-141 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 1718-51-0 | CC |
| Phenol-d5 (S) | 37 | % | 10-110 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 4165-62-2 | |
| 2-Fluorophenol (S) | 62 | % | 21-110 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 97 | % | 10-123 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 75 | % | 33-110 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 65 | % | 16-110 | 1 | 06/30/17 09:01 | 07/04/17 00:14 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|----------------|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | 06/30/17 00:17 | 06/30/17 00:17 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | 06/30/17 00:17 | 06/30/17 00:17 | 100-41-4 | |
| Toluene | 1.1 | ug/L | 1.0 | 1 | 06/30/17 00:17 | 06/30/17 00:17 | 108-88-3 | |
| Xylene (Total) | 42.2 | ug/L | 2.0 | 1 | 06/30/17 00:17 | 06/30/17 00:17 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 120 | % | 68-153 | 1 | 06/30/17 00:17 | 06/30/17 00:17 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 98 | % | 79-124 | 1 | 06/30/17 00:17 | 06/30/17 00:17 | 460-00-4 | |
| Toluene-d8 (S) | 94 | % | 69-124 | 1 | 06/30/17 00:17 | 06/30/17 00:17 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
 Pace Project No.: 7022589

| | | | | |
|-------------------------|---------------------------|----------------------------------|---------------------------------|----------------------|
| Sample: HIMW-051 | Lab ID: 7022589016 | Collected: 06/29/17 08:18 | Received: 06/29/17 13:45 | Matrix: Water |
|-------------------------|---------------------------|----------------------------------|---------------------------------|----------------------|

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|--|---------|-------|--------------|----|----------------|----------------|------------|------|
| 8270 MSSV | | | | | | | | |
| Analytical Method: EPA 8270D Preparation Method: EPA 3510C | | | | | | | | |
| Acenaphthene | 11.9 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 83-32-9 | |
| Acenaphthylene | 179 | ug/L | 100 | 20 | 06/30/17 09:01 | 07/05/17 19:40 | 208-96-8 | |
| Anthracene | 2.3J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 206-44-0 | |
| Fluorene | 24.1 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 193-39-5 | |
| 2-Methylnaphthalene | 216 | ug/L | 100 | 20 | 06/30/17 09:01 | 07/05/17 19:40 | 91-57-6 | CC |
| Naphthalene | 1100 | ug/L | 100 | 20 | 06/30/17 09:01 | 07/05/17 19:40 | 91-20-3 | |
| Phenanthrene | 17.5 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 64 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 87 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 72 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 1718-51-0 | CC |
| Phenol-d5 (S) | 33 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 4165-62-2 | |
| 2-Fluorophenol (S) | 59 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 98 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 75 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 62 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 23:46 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 23:55 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 23:55 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 23:55 | 108-88-3 | |
| Xylene (Total) | 57.4 | ug/L | 2.0 | 1 | | 06/29/17 23:55 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 119 | % | 68-153 | 1 | | 06/29/17 23:55 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 96 | % | 79-124 | 1 | | 06/29/17 23:55 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | | 06/29/17 23:55 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-05S Lab ID: 7022589015 Collected: 06/29/17 07:18 Received: 06/29/17 13:45 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 | 06/30/17 09:01 | 07/03/17 23:18 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 85 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 87 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 104 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 1718-51-0 | CC |
| Phenol-d5 (S) | 34 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 4165-62-2 | |
| 2-Fluorophenol (S) | 58 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 93 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 71 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 58 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 23:18 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 23:33 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 23:33 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 23:33 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 23:33 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 121 | % | 68-153 | 1 | | 06/29/17 23:33 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 96 | % | 79-124 | 1 | | 06/29/17 23:33 | 460-00-4 | |
| Toluene-d8 (S) | 94 | % | 69-124 | 1 | | 06/29/17 23:33 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-08D Lab ID: 7022589003 Collected: 06/26/17 14:05 Received: 06/27/17 15:50 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 | 06/30/17 09:01 | 07/03/17 17:43 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 72 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 75 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 77 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 1718-51-0 | CC |
| Phenol-d5 (S) | 29 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 4165-62-2 | |
| 2-Fluorophenol (S) | 50 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 83 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 61 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 55 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 17:43 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 19:37 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 19:37 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 19:37 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 19:37 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 117 | % | 68-153 | 1 | | 06/29/17 19:37 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 95 | % | 79-124 | 1 | | 06/29/17 19:37 | 460-00-4 | |
| Toluene-d8 (S) | 94 | % | 69-124 | 1 | | 06/29/17 19:37 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

| Sample: HIMW-08S | | Lab ID: 7022589010 | Collected: 06/28/17 08:55 | Received: 06/29/17 13:45 | 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 | 06/30/17 09:01 | 07/04/17 01:37 | 83-32-9 | |
| Acenaphthylene | 2.3J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 205-99-2 | |
| Benzo(g,h,i)perylene | 1.1J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 85 | % | 35-114 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 88 | % | 43-116 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 89 | % | 33-141 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 1718-51-0 | CC |
| Phenol-d5 (S) | 35 | % | 10-110 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 4165-62-2 | |
| 2-Fluorophenol (S) | 59 | % | 21-110 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 98 | % | 10-123 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 73 | % | 33-110 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 59 | % | 16-110 | 1 | 06/30/17 09:01 | 07/04/17 01:37 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 21:46 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 21:46 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 21:46 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 21:46 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 122 | % | 68-153 | 1 | | 06/29/17 21:46 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 95 | % | 79-124 | 1 | | 06/29/17 21:46 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | | 06/29/17 21:46 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-081 Lab ID: 7022589004 Collected: 06/26/17 15:30 Received: 06/27/17 15:50 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 | 06/30/17 09:01 | 07/03/17 18:11 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 85-01-8 | |
| Pyrene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 75 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 74 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 62 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 1718-51-0 | CC |
| Phenol-d5 (S) | 29 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 4165-62-2 | |
| 2-Fluorophenol (S) | 49 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 73 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 62 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 51 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 18:11 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 19:58 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 19:58 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 19:58 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 19:58 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 119 | % | 68-153 | 1 | | 06/29/17 19:58 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 95 | % | 79-124 | 1 | | 06/29/17 19:58 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | | 06/29/17 19:58 | 2037-26-5 | |

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06/29/17

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022287

| Sample: HIMW-12S | Lab ID: 7022287001 | Collected: 06/23/17 09:00 | Received: 06/23/17 14:50 | 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 | 06/28/17 21:54 | 06/29/17 23:08 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 73 | % | 35-114 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 71 | % | 43-116 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 108 | % | 33-141 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 1718-51-0 | |
| Phenol-d5 (S) | 15 | % | 10-110 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 4165-62-2 | |
| 2-Fluorophenol (S) | 25 | % | 21-110 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 113 | % | 10-123 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 118-79-6 | CC |
| 2-Chlorophenol-d4 (S) | 54 | % | 33-110 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 58 | % | 16-110 | 1 | 06/28/17 21:54 | 06/29/17 23:08 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 18:42 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 18:42 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 18:42 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 18:42 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 98 | % | 68-153 | 1 | | 06/25/17 18:42 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 106 | % | 79-124 | 1 | | 06/25/17 18:42 | 460-00-4 | |
| Toluene-d8 (S) | 88 | % | 69-124 | 1 | | 06/25/17 18:42 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022178

Sample: HIMW-13D Lab ID: 7022178007 Collected: 06/22/17 13:50 Received: 06/22/17 15:25 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 | 06/23/17 09:31 | 06/26/17 18:50 | 83-32-9 | |
| Acenaphthylene | 12.2 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 75 | % | 35-114 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 69 | % | 43-116 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 77 | % | 33-141 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 1718-51-0 | |
| Phenol-d5 (S) | 29 | % | 10-110 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 4165-62-2 | |
| 2-Fluorophenol (S) | 47 | % | 21-110 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 367-12-4 | CC |
| 2,4,6-Tribromophenol (S) | 74 | % | 10-123 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 61 | % | 33-110 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 55 | % | 16-110 | 1 | 06/23/17 09:31 | 06/26/17 18:50 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | 1.5 | ug/L | 1.0 | 1 | | 06/25/17 17:43 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 17:43 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 17:43 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 17:43 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 98 | % | 68-153 | 1 | | 06/25/17 17:43 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 105 | % | 79-124 | 1 | | 06/25/17 17:43 | 460-00-4 | |
| Toluene-d8 (S) | 87 | % | 69-124 | 1 | | 06/25/17 17:43 | 2037-26-5 | |

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HIMW-013D

ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022178

Sample: DUP20170622 Lab ID: 7022178008 Collected: 06/22/17 07:00 Received: 06/22/17 15:25 Matrix: Water

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

8270 MSSV

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

| | | | | | | | | |
|------------------------|------|------|-----|---|----------------|----------------|----------|--|
| Acenaphthene | 4.9J | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 83-32-9 | |
| Acenaphthylene | 12.1 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 129-00-0 | |

Surrogates

| | | | | | | | | |
|----------------------------|----|---|--------|---|----------------|----------------|------------|----|
| Nitrobenzene-d5 (S) | 73 | % | 35-114 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 72 | % | 43-116 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 69 | % | 33-141 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 1718-51-0 | |
| Phenol-d5 (S) | 27 | % | 10-110 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 4165-62-2 | |
| 2-Fluorophenol (S) | 47 | % | 21-110 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 367-12-4 | CC |
| 2,4,6-Tribromophenol (S) | 84 | % | 10-123 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 59 | % | 33-110 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 51 | % | 16-110 | 1 | 06/23/17 09:31 | 06/26/17 19:17 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | 1.6 | ug/L | 1.0 | 1 | | 06/25/17 18:03 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 18:03 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 18:03 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 18:03 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 98 | % | 68-153 | 1 | | 06/25/17 18:03 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 106 | % | 79-124 | 1 | | 06/25/17 18:03 | 460-00-4 | |
| Toluene-d8 (S) | 87 | % | 69-124 | 1 | | 06/25/17 18:03 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022178

| Sample: HIMW-131 | Lab ID: 7022178006 | Collected: 06/22/17 10:50 | Received: 06/22/17 15:25 | 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 | 06/23/17 09:31 | 06/26/17 18:22 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 74 | % | 35-114 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 75 | % | 43-116 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 94 | % | 33-141 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 1718-51-0 | |
| Phenol-d5 (S) | 35 | % | 10-110 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 4165-62-2 | |
| 2-Fluorophenol (S) | 42 | % | 21-110 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 367-12-4 | CC |
| 2,4,6-Tribromophenol (S) | 92 | % | 10-123 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 63 | % | 33-110 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 50 | % | 16-110 | 1 | 06/23/17 09:31 | 06/26/17 18:22 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 17:23 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 17:23 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 17:23 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 17:23 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 102 | % | 68-153 | 1 | | 06/25/17 17:23 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 108 | % | 79-124 | 1 | | 06/25/17 17:23 | 460-00-4 | |
| Toluene-d8 (S) | 90 | % | 69-124 | 1 | | 06/25/17 17:23 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022178

| Sample: HIMW-13S | Lab ID: 7022178005 | Collected: 06/22/17 09:40 | Received: 06/22/17 15:25 | 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 | 06/23/17 09:31 | 06/26/17 17:54 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 65 | % | 35-114 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 70 | % | 43-116 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 87 | % | 33-141 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 1718-51-0 | |
| Phenol-d5 (S) | 31 | % | 10-110 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 4165-62-2 | |
| 2-Fluorophenol (S) | 49 | % | 21-110 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 367-12-4 | CC |
| 2,4,6-Tribromophenol (S) | 75 | % | 10-123 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 58 | % | 33-110 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 47 | % | 16-110 | 1 | 06/23/17 09:31 | 06/26/17 17:54 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 17:04 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 17:04 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 17:04 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 17:04 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 102 | % | 68-153 | 1 | | 06/25/17 17:04 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 103 | % | 79-124 | 1 | | 06/25/17 17:04 | 460-00-4 | |
| Toluene-d8 (S) | 87 | % | 69-124 | 1 | | 06/25/17 17:04 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022287

| Sample: HIMW-14D | Lab ID: 7022287002 | Collected: 06/23/17 11:35 | Received: 06/23/17 14:50 | 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 | 06/28/17 21:54 | 06/29/17 23:36 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 79 | % | 35-114 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 77 | % | 43-116 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 106 | % | 33-141 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 1718-51-0 | |
| Phenol-d5 (S) | 15 | % | 10-110 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 4165-62-2 | |
| 2-Fluorophenol (S) | 26 | % | 21-110 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 125 | % | 10-123 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 118-79-6 | CC,S3 |
| 2-Chlorophenol-d4 (S) | 56 | % | 33-110 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 65 | % | 16-110 | 1 | 06/28/17 21:54 | 06/29/17 23:36 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 19:01 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 19:01 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 19:01 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 19:01 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 68-153 | 1 | | 06/25/17 19:01 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 105 | % | 79-124 | 1 | | 06/25/17 19:01 | 460-00-4 | |
| Toluene-d8 (S) | 86 | % | 69-124 | 1 | | 06/25/17 19:01 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022287

Sample: HIMW-14I Lab ID: 7022287003 Collected: 06/23/17 13:15 Received: 06/23/17 14:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|--|---------|-------|--------------|----|----------------|----------------|------------|-------|
| 8270 MSSV | | | | | | | | |
| Analytical Method: EPA 8270D Preparation Method: EPA 3510C | | | | | | | | |
| Acenaphthene | 5.9 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 83-32-9 | |
| Acenaphthylene | 8.3 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 206-44-0 | |
| Fluorene | 2.1J | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 91-20-3 | |
| Phenanthrene | 2.7J | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 77 | % | 35-114 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 74 | % | 43-116 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 105 | % | 33-141 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 1718-51-0 | |
| Phenol-d5 (S) | 15 | % | 10-110 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 4165-62-2 | |
| 2-Fluorophenol (S) | 26 | % | 21-110 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 129 | % | 10-123 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 118-79-6 | CC,S0 |
| 2-Chlorophenol-d4 (S) | 57 | % | 33-110 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 63 | % | 16-110 | 1 | 06/28/17 21:54 | 06/30/17 00:05 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | 2.7 | ug/L | 1.0 | 1 | | 06/25/17 19:21 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 19:21 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 19:21 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 19:21 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 104 | % | 68-153 | 1 | | 06/25/17 19:21 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 107 | % | 79-124 | 1 | | 06/25/17 19:21 | 460-00-4 | |
| Toluene-d8 (S) | 88 | % | 69-124 | 1 | | 06/25/17 19:21 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7021912

Sample: HIMW-15D Lab ID: 7021912002 Collected: 06/20/17 11:25 Received: 06/20/17 16:50 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 | 06/21/17 09:25 | 06/22/17 16:21 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 69 | % | 35-114 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 66 | % | 43-116 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 81 | % | 33-141 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 1718-51-0 | |
| Phenol-d5 (S) | 24 | % | 10-110 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 4165-62-2 | |
| 2-Fluorophenol (S) | 43 | % | 21-110 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 92 | % | 10-123 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 63 | % | 33-110 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 50 | % | 16-110 | 1 | 06/21/17 09:25 | 06/22/17 16:21 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/24/17 00:57 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/24/17 00:57 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/24/17 00:57 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/24/17 00:57 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 111 | % | 68-153 | 1 | | 06/24/17 00:57 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 94 | % | 79-124 | 1 | | 06/24/17 00:57 | 460-00-4 | |
| Toluene-d8 (S) | 87 | % | 69-124 | 1 | | 06/24/17 00:57 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7021912

| Sample: | Lab ID: | Collected: | Received: | Matrix: | | | | |
|--|------------|----------------|----------------|---------|----------------|----------------|------------|------|
| HIMW-15I | 7021912001 | 06/20/17 10:05 | 06/20/17 16:50 | 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 | 06/21/17 09:25 | 06/22/17 15:50 | 83-32-9 | |
| Acenaphthylene | 5.1 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 67 | % | 35-114 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 69 | % | 43-116 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 80 | % | 33-141 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 1718-51-0 | |
| Phenol-d5 (S) | 26 | % | 10-110 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 4165-62-2 | |
| 2-Fluorophenol (S) | 44 | % | 21-110 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 104 | % | 10-123 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 62 | % | 33-110 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 46 | % | 16-110 | 1 | 06/21/17 09:25 | 06/22/17 15:50 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | 3.4 | ug/L | 1.0 | 1 | | 06/24/17 00:39 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/24/17 00:39 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/24/17 00:39 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/24/17 00:39 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 115 | % | 68-153 | 1 | | 06/24/17 00:39 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 100 | % | 79-124 | 1 | | 06/24/17 00:39 | 460-00-4 | |
| Toluene-d8 (S) | 92 | % | 69-124 | 1 | | 06/24/17 00:39 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-20I Lab ID: 7022589002 Collected: 06/26/17 09:55 Received: 06/27/17 15:50 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 | 06/30/17 09:01 | 07/03/17 17:15 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 85-01-8 | |
| Pyrene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 86 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 85 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 63 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 1718-51-0 | CC |
| Phenol-d5 (S) | 30 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 4165-62-2 | |
| 2-Fluorophenol (S) | 53 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 93 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 69 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 58 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 17:15 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 19:15 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 19:15 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 19:15 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 19:15 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 118 | % | 68-153 | 1 | | 06/29/17 19:15 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 96 | % | 79-124 | 1 | | 06/29/17 19:15 | 460-00-4 | |
| Toluene-d8 (S) | 94 | % | 69-124 | 1 | | 06/29/17 19:15 | 2037-26-5 | |

Handwritten signature and date: 06/28/17

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-20S Lab ID: 7022589001 Collected: 06/26/17 11:25 Received: 06/27/17 15:50 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 | 06/30/17 09:01 | 07/03/17 16:47 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 82 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 80 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 108 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 1718-51-0 | CC |
| Phenol-d5 (S) | 32 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 4165-62-2 | |
| 2-Fluorophenol (S) | 55 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 81 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 69 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 56 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 16:47 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 18:54 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 18:54 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 18:54 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 18:54 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 119 | % | 68-153 | 1 | | 06/29/17 18:54 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 94 | % | 79-124 | 1 | | 06/29/17 18:54 | 460-00-4 | |
| Toluene-d8 (S) | 96 | % | 69-124 | 1 | | 06/29/17 18:54 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022178

| Sample: | Lab ID: | Collected: | Received: | Matrix: | | | | |
|------------------------------------|------------|----------------|----------------|---------|-------------------------------|----------------|------------|------|
| HIMW-22 | 7022178004 | 06/21/17 13:30 | 06/22/17 15:25 | 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 | 06/23/17 09:31 | 06/26/17 17:27 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 122 | % | 35-114 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 4165-60-0 | S3 |
| 2-Fluorobiphenyl (S) | 82 | % | 43-116 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 68 | % | 33-141 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 1718-51-0 | |
| Phenol-d5 (S) | 28 | % | 10-110 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 4165-62-2 | |
| 2-Fluorophenol (S) | 41 | % | 21-110 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 367-12-4 | CC |
| 2,4,6-Tribromophenol (S) | 85 | % | 10-123 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 65 | % | 33-110 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 55 | % | 16-110 | 1 | 06/23/17 09:31 | 06/26/17 17:27 | 2199-69-1 | |
| 8260C Volatile Organics | | | | | | | | |
| Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 16:44 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 16:44 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 16:44 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 16:44 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 99 | % | 68-153 | 1 | | 06/25/17 16:44 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 108 | % | 79-124 | 1 | | 06/25/17 16:44 | 460-00-4 | |
| Toluene-d8 (S) | 88 | % | 69-124 | 1 | | 06/25/17 16:44 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7021912

Sample: **HIMW-23** Lab ID: **7021912003** Collected: 06/20/17 13:45 Received: 06/20/17 16:50 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 | 06/21/17 09:25 | 06/22/17 16:51 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 74 | % | 35-114 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 69 | % | 43-116 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 89 | % | 33-141 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 1718-51-0 | |
| Phenol-d5 (S) | 28 | % | 10-110 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 4165-62-2 | |
| 2-Fluorophenol (S) | 32 | % | 21-110 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 84 | % | 10-123 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 69 | % | 33-110 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 48 | % | 16-110 | 1 | 06/21/17 09:25 | 06/22/17 16:51 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/24/17 01:15 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/24/17 01:15 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/24/17 01:15 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/24/17 01:15 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 113 | % | 68-153 | 1 | | 06/24/17 01:15 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 93 | % | 79-124 | 1 | | 06/24/17 01:15 | 460-00-4 | |
| Toluene-d8 (S) | 105 | % | 69-124 | 1 | | 06/24/17 01:15 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-24 Lab ID: 7022589008 Collected: 06/27/17 14:30 Received: 06/27/17 15:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------|---------|--|--------------|----|----------------|----------------|------------|------|
| 8270 MSSV | | Analytical Method: EPA 8270D Preparation Method: EPA 3510C | | | | | | |
| Acenaphthene | 1.7J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 83-32-9 | |
| Acenaphthylene | 20.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 206-44-0 | |
| Fluorene | 5.0J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 193-39-5 | |
| 2-Methylnaphthalene | 11.2 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 91-57-6 | CC |
| Naphthalene | 166 | ug/L | 20.0 | 4 | 06/30/17 09:01 | 07/05/17 17:50 | 91-20-3 | |
| Phenanthrene | 1.2J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 81 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 80 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 84 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 1718-51-0 | CC |
| Phenol-d5 (S) | 28 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 4165-62-2 | |
| 2-Fluorophenol (S) | 45 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 79 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 63 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 53 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 20:58 | 2199-69-1 | |
| 8260C Volatile Organics | | Analytical Method: EPA 8260C/5030C | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 21:24 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 21:24 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 21:24 | 108-88-3 | |
| Xylene (Total) | 1.0J | ug/L | 2.0 | 1 | | 06/29/17 21:24 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 119 | % | 68-153 | 1 | | 06/29/17 21:24 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 96 | % | 79-124 | 1 | | 06/29/17 21:24 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | | 06/29/17 21:24 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-25 Lab ID: 7022589005 Collected: 06/27/17 09:15 Received: 06/27/17 15:50 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 | 06/30/17 09:01 | 07/03/17 18:38 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 70 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 70 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 81 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 1718-51-0 | CC |
| Phenol-d5 (S) | 31 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 4165-62-2 | |
| 2-Fluorophenol (S) | 51 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 85 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 62 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 46 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 18:38 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 20:20 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 20:20 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 20:20 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 20:20 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 119 | % | 68-153 | 1 | | 06/29/17 20:20 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 96 | % | 79-124 | 1 | | 06/29/17 20:20 | 460-00-4 | |
| Toluene-d8 (S) | 96 | % | 69-124 | 1 | | 06/29/17 20:20 | 2037-26-5 | |

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-26D Lab ID: 7022589007 Collected: 06/27/17 12:25 Received: 06/27/17 15:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|----|----------------|----------------|------------|-------|
| 8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C | | | | | | | | |
| Acenaphthene | 4.4J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 83-32-9 | |
| Acenaphthylene | 78.9 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 191-24-2 | R1 |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 53-70-3 | R1 |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 206-44-0 | |
| Fluorene | 11.3 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 193-39-5 | R1 |
| 2-Methylnaphthalene | 127 | ug/L | 50.0 | 10 | 06/30/17 09:01 | 07/05/17 16:01 | 91-57-6 | CC,M1 |
| Naphthalene | 645 | ug/L | 50.0 | 10 | 06/30/17 09:01 | 07/05/17 16:01 | 91-20-3 | M1 |
| Phenanthrene | 12.4 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 64 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 78 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 80 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 1718-51-0 | CC |
| Phenol-d5 (S) | 31 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 4165-62-2 | |
| 2-Fluorophenol (S) | 53 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 92 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 66 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 50 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 19:34 | 2199-69-1 | |
| 8260C Volatile Organics Analytical Method: EPA 8260C/5030C | | | | | | | | |
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 21:04 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 21:04 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 21:04 | 108-88-3 | |
| Xylene (Total) | 38.7 | ug/L | 2.0 | 1 | | 06/29/17 21:04 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 115 | % | 68-153 | 1 | | 06/29/17 21:04 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 97 | % | 79-124 | 1 | | 06/29/17 21:04 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | | 06/29/17 21:04 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-26I Lab ID: 7022589006 Collected: 06/27/17 11:10 Received: 06/27/17 15:50 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 | 06/30/17 09:01 | 07/03/17 19:06 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 85-01-8 | |
| Pyrene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 78 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 77 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 68 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 1718-51-0 | CC |
| Phenol-d5 (S) | 32 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 4165-62-2 | |
| 2-Fluorophenol (S) | 56 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 91 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 68 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 53 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 19:06 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 20:42 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 20:42 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 20:42 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 20:42 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 119 | % | 68-153 | 1 | | 06/29/17 20:42 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 96 | % | 79-124 | 1 | | 06/29/17 20:42 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | | 06/29/17 20:42 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-271 Lab ID: 7022589013 Collected: 06/28/17 14:00 Received: 06/29/17 13:45 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 | 06/30/17 09:01 | 07/03/17 22:22 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 85-01-8 | |
| Pyrene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 88 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 83 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 73 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 1718-51-0 | CC |
| Phenol-d5 (S) | 32 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 4165-62-2 | |
| 2-Fluorophenol (S) | 57 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 89 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 71 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 58 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 22:22 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 22:50 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 22:50 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 22:50 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 22:50 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 120 | % | 68-153 | 1 | | 06/29/17 22:50 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 94 | % | 79-124 | 1 | | 06/29/17 22:50 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | | 06/29/17 22:50 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-27S Lab ID: 7022589014 Collected: 06/28/17 15:15 Received: 06/29/17 13:45 Matrix: Water

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

8270 MSSV

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

| | | | | | | | | |
|----------------------------|------|------|--------|----|----------------|----------------|------------|----|
| Acenaphthene | 103 | ug/L | 100 | 20 | 06/30/17 09:01 | 07/05/17 19:13 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 208-96-8 | |
| Anthracene | 12.1 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 53-70-3 | |
| Fluoranthene | 3.3J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 206-44-0 | |
| Fluorene | 41.4 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 193-39-5 | |
| 2-Methylnaphthalene | 351 | ug/L | 100 | 20 | 06/30/17 09:01 | 07/05/17 19:13 | 91-57-6 | CC |
| Naphthalene | 1100 | ug/L | 100 | 20 | 06/30/17 09:01 | 07/05/17 19:13 | 91-20-3 | |
| Phenanthrene | 61.4 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 85-01-8 | |
| Pyrene | 4.4J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 129-00-0 | CC |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 65 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 77 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 97 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 1718-51-0 | CC |
| Phenol-d5 (S) | 34 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 4165-62-2 | |
| 2-Fluorophenol (S) | 58 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 89 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 81 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 53 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 22:49 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|----|--|----------------|------------|--|
| Benzene | 11.1 | ug/L | 1.0 | 1 | | 06/29/17 23:11 | 71-43-2 | |
| Ethylbenzene | 618 | ug/L | 10.0 | 10 | | 06/30/17 23:24 | 100-41-4 | |
| Toluene | 29.1 | ug/L | 1.0 | 1 | | 06/29/17 23:11 | 108-88-3 | |
| Xylene (Total) | 664 | ug/L | 20.0 | 10 | | 06/30/17 23:24 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 110 | % | 68-153 | 1 | | 06/29/17 23:11 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 97 | % | 79-124 | 1 | | 06/29/17 23:11 | 460-00-4 | |
| Toluene-d8 (S) | 97 | % | 69-124 | 1 | | 06/29/17 23:11 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-28I Lab ID: 7022589011 Collected: 06/28/17 10:05 Received: 06/29/17 13:45 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 | 06/30/17 09:01 | 07/03/17 21:27 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 85-01-8 | |
| Pyrene | <5.0 | ug/L JS | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 75 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 77 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 76 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 1718-51-0 | CC |
| Phenol-d5 (S) | 31 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 4165-62-2 | |
| 2-Fluorophenol (S) | 53 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 87 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 65 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 53 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 21:27 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 22:07 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 22:07 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 22:07 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 22:07 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 123 | % | 68-153 | 1 | | 06/29/17 22:07 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 96 | % | 79-124 | 1 | | 06/29/17 22:07 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | | 06/29/17 22:07 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: HIMW-28S Lab ID: 7022589012 Collected: 06/28/17 11:30 Received: 06/29/17 13:45 Matrix: Water

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

8270 MSSV

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

| | | | | | | | | |
|----------------------------|------|------|--------|---|----------------|----------------|------------|----|
| Acenaphthene | 31.4 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 208-96-8 | |
| Anthracene | 4.0J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 206-44-0 | |
| Fluorene | 17.5 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 193-39-5 | |
| 2-Methylnaphthalene | 38.6 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 91-57-6 | CC |
| Naphthalene | 264 | ug/L | 20.0 | 4 | 06/30/17 09:01 | 07/05/17 18:18 | 91-20-3 | |
| Phenanthrene | 23.6 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 77 | % | 35-114 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 82 | % | 43-116 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 89 | % | 33-141 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 1718-51-0 | CC |
| Phenol-d5 (S) | 36 | % | 10-110 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 4165-62-2 | |
| 2-Fluorophenol (S) | 55 | % | 21-110 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 88 | % | 10-123 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 79 | % | 33-110 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 64 | % | 16-110 | 1 | 06/30/17 09:01 | 07/03/17 21:54 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | 4.1 | ug/L | 1.0 | 1 | | 06/29/17 22:29 | 71-43-2 | |
| Ethylbenzene | 80.9 | ug/L | 1.0 | 1 | | 06/29/17 22:29 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 22:29 | 108-88-3 | |
| Xylene (Total) | 5.2 | ug/L | 2.0 | 1 | | 06/29/17 22:29 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 118 | % | 68-153 | 1 | | 06/29/17 22:29 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 93 | % | 79-124 | 1 | | 06/29/17 22:29 | 460-00-4 | |
| Toluene-d8 (S) | 93 | % | 69-124 | 1 | | 06/29/17 22:29 | 2037-26-5 | |

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MIMW-0285

ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: DUPE20170628 Lab ID: 7022589018 Collected: 06/28/17 12:00 Received: 06/29/17 13:45 Matrix: Water

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

8270 MSSV

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

| | | | | | | | | |
|----------------------------|------|------|--------|---|----------------|----------------|------------|----|
| Acenaphthene | 34.8 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 208-96-8 | |
| Anthracene | 4.5J | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 206-44-0 | |
| Fluorene | 19.5 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 193-39-5 | |
| 2-Methylnaphthalene | 40.7 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 91-57-6 | CC |
| Naphthalene | 275 | ug/L | 20.0 | 4 | 06/30/17 09:01 | 07/05/17 18:45 | 91-20-3 | |
| Phenanthrene | 25.8 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 129-00-0 | |
| Surrogates | | | | | | | | |
| Nitrobenzene-d5 (S) | 83 | % | 35-114 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 90 | % | 43-116 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 321-80-8 | |
| p-Terphenyl-d14 (S) | 91 | % | 33-141 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 1718-51-0 | |
| Phenol-d5 (S) | 39 | % | 10-110 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 4165-62-2 | |
| 2-Fluorophenol (S) | 65 | % | 21-110 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 95 | % | 10-123 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 82 | % | 33-110 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 74 | % | 16-110 | 1 | 06/30/17 09:01 | 07/04/17 00:41 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|--|----------------|------------|--|
| Benzene | 4.1 | ug/L | 1.0 | 1 | | 06/30/17 00:38 | 71-43-2 | |
| Ethylbenzene | 76.5 | ug/L | 1.0 | 1 | | 06/30/17 00:38 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/30/17 00:38 | 108-88-3 | |
| Xylene (Total) | 4.8 | ug/L | 2.0 | 1 | | 06/30/17 00:38 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 117 | % | 68-153 | 1 | | 06/30/17 00:38 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 93 | % | 79-124 | 1 | | 06/30/17 00:38 | 460-00-4 | |
| Toluene-d8 (S) | 93 | % | 69-124 | 1 | | 06/30/17 00:38 | 2037-26-5 | |

06/30/17

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Sample: **FB20170629** Lab ID: **7022589020** Collected: 06/29/17 11:30 Received: 06/29/17 13:45 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 | 06/30/17 09:01 | 07/04/17 01:09 | 83-32-9 | |
| Acenaphthylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 208-96-8 | |
| Anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 120-12-7 | |
| Benzo(a)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 56-55-3 | |
| Benzo(a)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 50-32-8 | |
| Benzo(b)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 205-99-2 | |
| Benzo(g,h,i)perylene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 191-24-2 | |
| Benzo(k)fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 207-08-9 | |
| Chrysene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 218-01-9 | |
| Dibenz(a,h)anthracene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 53-70-3 | |
| Fluoranthene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 206-44-0 | |
| Fluorene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 193-39-5 | |
| 2-Methylnaphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 91-57-6 | |
| Naphthalene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 91-20-3 | |
| Phenanthrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 85-01-8 | |
| Pyrene | <5.0 | ug/L | 5.0 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 129-00-0 | |

Surrogates

| | | | | | | | | |
|----------------------------|----|---|--------|---|----------------|----------------|------------|----|
| Nitrobenzene-d5 (S) | 84 | % | 35-114 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 84 | % | 43-116 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 90 | % | 33-141 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 1718-51-0 | CC |
| Phenol-d5 (S) | 33 | % | 10-110 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 4165-62-2 | |
| 2-Fluorophenol (S) | 56 | % | 21-110 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 84 | % | 10-123 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 118-79-6 | |
| 2-Chlorophenol-d4 (S) | 70 | % | 33-110 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 93951-73-6 | |
| 1,2-Dichlorobenzene-d4 (S) | 65 | % | 16-110 | 1 | 06/30/17 09:01 | 07/04/17 01:09 | 2199-69-1 | |

8260C Volatile Organics

Analytical Method: EPA 8260C/5030C

| | | | | | | | | |
|---------------------------|------|------|--------|---|----------------|----------------|------------|--|
| Benzene | <1.0 | ug/L | 1.0 | 1 | 06/30/17 19:06 | 07/04/17 01:09 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | 06/30/17 19:06 | 07/04/17 01:09 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | 06/30/17 19:06 | 07/04/17 01:09 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | 06/30/17 19:06 | 07/04/17 01:09 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 120 | % | 68-153 | 1 | 06/30/17 19:06 | 07/04/17 01:09 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 93 | % | 79-124 | 1 | 06/30/17 19:06 | 07/04/17 01:09 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | 06/30/17 19:06 | 07/04/17 01:09 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7021912

| Sample: TB20170620 | Lab ID: 7021912004 | Collected: 06/20/17 13:45 | Received: 06/20/17 16:50 | 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 | | 06/25/17 14:47 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 14:47 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 14:47 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 14:47 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 102 | % | 68-153 | 1 | | 06/25/17 14:47 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 109 | % | 79-124 | 1 | | 06/25/17 14:47 | 460-00-4 | |
| Toluene-d8 (S) | 88 | % | 69-124 | 1 | | 06/25/17 14:47 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022178

| Sample: TB20170622 | Lab ID: 7022178009 | Collected: 06/22/17 00:00 | Received: 06/22/17 15:25 | 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 | | 06/25/17 15:07 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 15:07 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 15:07 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 15:07 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 103 | % | 68-153 | 1 | | 06/25/17 15:07 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 106 | % | 79-124 | 1 | | 06/25/17 15:07 | 460-00-4 | |
| Toluene-d8 (S) | 86 | % | 69-124 | 1 | | 06/25/17 15:07 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022287

| Sample: TB20170623 | Lab ID: 7022287004 | Collected: 06/23/17 13:15 | Received: 06/23/17 14:50 | 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 | | 06/25/17 15:26 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 15:26 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/25/17 15:26 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/25/17 15:26 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 98 | %. | 68-153 | 1 | | 06/25/17 15:26 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 104 | %. | 79-124 | 1 | | 06/25/17 15:26 | 460-00-4 | |
| Toluene-d8 (S) | 88 | %. | 69-124 | 1 | | 06/25/17 15:26 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

| Sample: TB20170627 | | Lab ID: 7022589009 | Collected: 06/27/17 14:30 | Received: 06/27/17 15:50 | 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 | | 06/29/17 18:33 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 18:33 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/29/17 18:33 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/29/17 18:33 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 117 | % | 68-153 | 1 | | 06/29/17 18:33 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 95 | % | 79-124 | 1 | | 06/29/17 18:33 | 460-00-4 | |
| Toluene-d8 (S) | 95 | % | 69-124 | 1 | | 06/29/17 18:33 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: National Grid Hempstead Site
Pace Project No.: 7022589

| Sample: TB20170629 | Lab ID: 7022589019 | Collected: 06/29/17 12:00 | Received: 06/29/17 13:45 | 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 | | 06/30/17 01:00 | 71-43-2 | |
| Ethylbenzene | <1.0 | ug/L | 1.0 | 1 | | 06/30/17 01:00 | 100-41-4 | |
| Toluene | <1.0 | ug/L | 1.0 | 1 | | 06/30/17 01:00 | 108-88-3 | |
| Xylene (Total) | <2.0 | ug/L | 2.0 | 1 | | 06/30/17 01:00 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 121 | % | 68-153 | 1 | | 06/30/17 01:00 | 17060-07-0 | |
| 4-Bromofluorobenzene (S) | 94 | % | 79-124 | 1 | | 06/30/17 01:00 | 460-00-4 | |
| Toluene-d8 (S) | 94 | % | 69-124 | 1 | | 06/30/17 01:00 | 2037-26-5 | |

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ATTACHMENT B

SUPPORT DOCUMENTATION

PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7021912

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: AECOM
Date: July 03, 2017

General Information:

4 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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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7021912

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: July 03, 2017

General Information:

3 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.

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.

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022178

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: July 03, 2017

General Information:

8 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.

QC Batch: 29093

CC: The continuing calibration for this compound is outside of method control limits. The result is estimated.

- BLANK (Lab ID: 134821)
 - 2-Fluorophenol (S)
- DUP20170622 (Lab ID: 7022178008)
 - 2-Fluorophenol (S)
- HIMW-03D (Lab ID: 7022178001)
 - 2-Fluorophenol (S)
- HIMW-03I (Lab ID: 7022178002)
 - 2-Fluorophenol (S)
- HIMW-03S (Lab ID: 7022178003)
 - 2-Fluorophenol (S)
- HIMW-13D (Lab ID: 7022178007)
 - 2-Fluorophenol (S)
- HIMW-13I (Lab ID: 7022178006)
 - 2-Fluorophenol (S)
- HIMW-13S (Lab ID: 7022178005)
 - 2-Fluorophenol (S)
- HIMW-22 (Lab ID: 7022178004)
 - 2-Fluorophenol (S)
- LCS (Lab ID: 134822)
 - 2-Fluorophenol (S)
- MS (Lab ID: 135358)
 - 2-Fluorophenol (S)
- MSD (Lab ID: 135359)
 - 2-Fluorophenol (S)

Internal Standards:

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

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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022178

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: July 03, 2017

Surrogates:

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

QC Batch: 29093

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

- HIMW-22 (Lab ID: 7022178004)
- 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: 29093

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7022178001

R1: RPD value was outside control limits.

- MSD (Lab ID: 135359)
- Fluoranthene

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022178

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: AECOM
Date: July 03, 2017

General Information:

9 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.

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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022287

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: July 05, 2017

General Information:

3 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.

QC Batch: 29650

CC: The continuing calibration for this compound is outside of method control limits. The result is estimated.

- BLANK (Lab ID: 137447)
 - 2,4,6-Tribromophenol (S)
- HIMW-12S (Lab ID: 7022287001)
 - 2,4,6-Tribromophenol (S)
- HIMW-14D (Lab ID: 7022287002)
 - 2,4,6-Tribromophenol (S)
- HIMW-14I (Lab ID: 7022287003)
 - 2,4,6-Tribromophenol (S)
- LCS (Lab ID: 137448)
 - 2,4,6-Tribromophenol (S)

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: 29650

S0: Surrogate recovery outside laboratory control limits.

- HIMW-14I (Lab ID: 7022287003)
 - 2,4,6-Tribromophenol (S)

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

- HIMW-14D (Lab ID: 7022287002)
 - 2,4,6-Tribromophenol (S)

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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022287

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: July 05, 2017

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.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022287

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: AECOM
Date: July 05, 2017

General Information:

4 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 Callibrations (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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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: July 12, 2017

General Information:

18 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.

QC Batch: 29901

CC: The continuing calibration for this compound is outside of method control limits. The result is estimated.

- BLANK (Lab ID: 138343)
 - p-Terphenyl-d14 (S)
- DUPE20170628 (Lab ID: 7022589018)
 - 2-Methylnaphthalene
- FB20170629 (Lab ID: 7022589020)
 - p-Terphenyl-d14 (S)
- HIMW-05D (Lab ID: 7022589017)
 - 2-Methylnaphthalene
 - p-Terphenyl-d14 (S)
- HIMW-05I (Lab ID: 7022589016)
 - 2-Methylnaphthalene
 - p-Terphenyl-d14 (S)
- HIMW-05S (Lab ID: 7022589015)
 - p-Terphenyl-d14 (S)
- HIMW-08D (Lab ID: 7022589003)
 - p-Terphenyl-d14 (S)
- HIMW-08I (Lab ID: 7022589004)
 - p-Terphenyl-d14 (S)
- HIMW-08S (Lab ID: 7022589010)
 - p-Terphenyl-d14 (S)
- HIMW-20I (Lab ID: 7022589002)
 - p-Terphenyl-d14 (S)
- HIMW-20S (Lab ID: 7022589001)
 - p-Terphenyl-d14 (S)
- HIMW-24 (Lab ID: 7022589008)
 - 2-Methylnaphthalene
 - p-Terphenyl-d14 (S)

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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: July 12, 2017

QC Batch: 29901

CC: The continuing calibration for this compound is outside of method control limits. The result is estimated.

- HIMW-25 (Lab ID: 7022589005)
 - p-Terphenyl-d14 (S)
- HIMW-26D (Lab ID: 7022589007)
 - 2-Methylnaphthalene
 - p-Terphenyl-d14 (S)
- HIMW-26I (Lab ID: 7022589006)
 - p-Terphenyl-d14 (S)
- HIMW-27I (Lab ID: 7022589013)
 - p-Terphenyl-d14 (S)
- HIMW-27S (Lab ID: 7022589014)
 - 2-Methylnaphthalene
 - Pyrene
 - p-Terphenyl-d14 (S)
- HIMW-28I (Lab ID: 7022589011)
 - p-Terphenyl-d14 (S)
- HIMW-28S (Lab ID: 7022589012)
 - 2-Methylnaphthalene
 - p-Terphenyl-d14 (S)
- LCS (Lab ID: 138344)
 - 2-Methylnaphthalene
 - Pyrene
 - p-Terphenyl-d14 (S)
- MS (Lab ID: 138345)
 - 2-Methylnaphthalene
 - Pyrene
 - p-Terphenyl-d14 (S)
- MSD (Lab ID: 138346)
 - 2-Methylnaphthalene
 - Pyrene
 - p-Terphenyl-d14 (S)

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.

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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Method: EPA 8270D
Description: 8270 MSSV
Client: AECOM
Date: July 12, 2017

Matrix Spikes:

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

QC Batch: 29901

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7022589007

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

- MS (Lab ID: 138345)
 - Naphthalene
- MSD (Lab ID: 138346)
 - 2-Methylnaphthalene
 - Naphthalene

R1: RPD value was outside control limits.

- MSD (Lab ID: 138346)
 - Benzo(g,h,i)perylene
 - Dibenzo(a,h)anthracene
 - Indeno(1,2,3-cd)pyrene

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid Hempstead Site
Pace Project No.: 7022589

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: AECOM
Date: July 12, 2017

General Information:

20 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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MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - New York SDG No.: 7022589 Contract: National Grid Hempstead Site
 Lab File ID: 8270-070317.B\39943.D DFTPP Injection Date: 07/03/2017
 Instrument ID: 70MSS3 DFTPP Injection Time: 15:00

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|---------------------------------------|----------------------------|
| 51 | 30.00 - 60.00% of mass 198 | 35.01 |
| 68 | Less than 2.00% of mass 69 | 0.22 (0.52) ¹ |
| 69 | Base Peak, 100.00% relative abundance | 41.94 |
| 70 | Less than 2.00% of mass 69 | 0.19 (0.45) ¹ |
| 127 | 40.00 - 60.00% of mass 198 | 52.61 |
| 197 | Less than 1.00% of mass 198 | 0.30 |
| 198 | Base Peak, 100.00% relative abundance | 100.00 |
| 199 | 5.00 - 9.00% of mass 198 | 7.39 |
| 275 | 10.00 - 30.00% of mass 198 | 28.31 |
| 365 | 1.00 - 100.00% of mass 198 | 4.44 |
| 441 | 0.10 - 100.00% of mass 443 | 13.31 |
| 442 | 40.00 - 110.00% of mass 198 | 84.78 |
| 443 | 17.00 - 23.00% of mass 442 | 17.05 (20.11) ² |

1 - Value is % mass 69

2 - Value is % mass 442

| SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-------------|---------------|-----------------------|---------------|---------------|
| 9010678CCV | 9010678CCV | 8270-070317.B\39944.D | 07/03/2017 | 15:24 |
| 138343BLANK | 138343BLANK | 8270-070317.B\39945.D | 07/03/2017 | 15:51 |
| 138344LCS | 138344LCS | 8270-070317.B\39946.D | 07/03/2017 | 16:19 |
| HIMW-20S | 7022589001 | 8270-070317.B\39947.D | 07/03/2017 | 16:47 |
| HIMW-20I | 7022589002 | 8270-070317.B\39948.D | 07/03/2017 | 17:15 |
| HIMW-08D | 7022589003 | 8270-070317.B\39949.D | 07/03/2017 | 17:43 |
| HIMW-08I | 7022589004 | 8270-070317.B\39950.D | 07/03/2017 | 18:11 |
| HIMW-25 | 7022589005 | 8270-070317.B\39951.D | 07/03/2017 | 18:38 |
| HIMW-26I | 7022589006 | 8270-070317.B\39952.D | 07/03/2017 | 19:06 |
| HIMW-26D | 7022589007 | 8270-070317.B\39953.D | 07/03/2017 | 19:34 |
| 138345MS | 138345MS | 8270-070317.B\39954.D | 07/03/2017 | 20:02 |
| 138346MSD | 138346MSD | 8270-070317.B\39955.D | 07/03/2017 | 20:31 |
| HIMW-24 | 7022589008 | 8270-070317.B\39956.D | 07/03/2017 | 20:58 |
| HIMW-28I | 7022589011 | 8270-070317.B\39957.D | 07/03/2017 | 21:27 |
| HIMW-28S | 7022589012 | 8270-070317.B\39958.D | 07/03/2017 | 21:54 |
| HIMW-27I | 7022589013 | 8270-070317.B\39959.D | 07/03/2017 | 22:22 |
| HIMW-27S | 7022589014 | 8270-070317.B\39960.D | 07/03/2017 | 22:49 |
| HIMW-05S | 7022589015 | 8270-070317.B\39961.D | 07/03/2017 | 23:18 |
| HIMW-05I | 7022589016 | 8270-070317.B\39962.D | 07/03/2017 | 23:46 |

08/04/2017 11:23

MSSV Full Scan - FORM V SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - New York SDG No.: 7022589 Contract: National Grid Hempstead Site
Lab File ID: 8270-070317.B\IR39943.D DFTPP Injection Date: 07/03/2017
Instrument ID: 70MSS3 DFTPP Injection Time: 15:00

| SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------|---------------|-------------------------|---------------|---------------|
| HIMW-05D | 7022589017 | 8270-070317.B\IR39963.D | 07/04/2017 | 00:14 |
| DUPE20170628 | 7022589018 | 8270-070317.B\IR39964.D | 07/04/2017 | 00:41 |
| FB20170629 | 7022589020 | 8270-070317.B\IR39965.D | 07/04/2017 | 01:09 |
| HIMW-08S | 7022589010 | 8270-070317.B\IR39966.D | 07/04/2017 | 01:37 |

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

9010678CCV

Lab Name: Pace Analytical - New York

Calibration Date: 07/03/2017 Time: 15:24

Instrument ID: 70MSS3 GC Column: Col 1

Init. Calib. Date(s): 06/14/2017 06/14/2017

Lab File ID: 8270-070317.B\IR39944.D

Init. Calib. Time(s): 17:51 20:37

SDG No.: 7022589

| COMPOUND | CURVE | RRF or Amount | RRF or Amount | MIN RRF | %D | MAX %D |
|----------------------------|----------|---------------|---------------|---------|----------|---------|
| Acenaphthene | Averaged | 1.12892 | 1.18203 | 0.9000 | 4.7040 | 20.0000 |
| Acenaphthylene | Averaged | 1.58689 | 1.65379 | 0.9000 | 4.2159 | 20.0000 |
| Anthracene | Averaged | 1.01190 | 1.12726 | 0.7000 | 11.4003 | 20.0000 |
| Benzo(a)anthracene | Averaged | 1.09012 | 1.22228 | 0.8000 | 12.1231 | 20.0000 |
| Benzo(a)pyrene | Averaged | 1.09680 | 1.18052 | 0.7000 | 7.6335 | 20.0000 |
| Benzo(b)fluoranthene | Averaged | 1.19757 | 1.37658 | 0.7000 | 14.9479 | 20.0000 |
| Benzo(g,h,i)perylene | Averaged | 0.93881 | 0.84096 | 0.5000 | -10.4224 | 20.0000 |
| Benzo(k)fluoranthene | Averaged | 1.16886 | 1.23133 | 0.7000 | 5.3446 | 20.0000 |
| Chrysene | Averaged | 0.94361 | 1.02741 | 0.7000 | 8.8812 | 20.0000 |
| Dibenz(a,h)anthracene | Linear | 25 | 20.01920 | 0.4000 | -19.9232 | 20.0000 |
| Fluoranthene | Averaged | 1.09501 | 1.19029 | 0.6000 | 8.7011 | 20.0000 |
| Fluorene | Linear | 25 | 21.07852 | 0.9000 | -15.6859 | 20.0000 |
| Indeno(1,2,3-cd)pyrene | Averaged | 1.21668 | 1.10210 | 0.5000 | -9.4177 | 20.0000 |
| 2-Methylnaphthalene | Averaged | 0.70651 | 1.00094 | 0.4000 | 41.6751 | 20.0000 |
| Naphthalene | Averaged | 0.99128 | 1.01010 | 0.7000 | 1.8981 | 20.0000 |
| Phenanthrene | Averaged | 1.06492 | 1.17080 | 0.7000 | 9.9422 | 20.0000 |
| Pyrene | Averaged | 1.11511 | 1.38740 | 0.6000 | 24.4187 | 20.0000 |
| 2-Chlorophenol-d4 (S) | Averaged | 1.40587 | 1.34306 | 0.0100 | -4.4680 | 20.0000 |
| 1,2-Dichlorobenzene-d4 (S) | Averaged | 0.95619 | 0.95360 | 0.0100 | -0.2708 | 20.0000 |
| 2-Fluorobiphenyl (S) | Averaged | 1.21959 | 1.31273 | 0.0100 | 7.6368 | 20.0000 |
| 2-Fluorophenol (S) | Averaged | 1.09943 | 1.25337 | 0.0100 | 14.0017 | 20.0000 |
| Nitrobenzene-d5 (S) | Averaged | 0.36171 | 0.39023 | 0.0100 | 7.8845 | 20.0000 |
| Phenol-d5 (S) | Averaged | 1.42644 | 1.53052 | 0.0100 | 7.2969 | 20.0000 |
| p-Terphenyl-d14 (S) | Averaged | 0.76374 | 0.98095 | 0.0100 | 28.4403 | 20.0000 |
| 2,4,6-Tribromophenol (S) | Linear | 25 | 25.08373 | 0.0100 | 0.3349 | 20.0000 |

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

08/04/2017 11:23

APPENDIX B

**OXYGEN SYSTEM OPERATION & MAINTENANCE
MEASUREMENTS**

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

| | |
|-----------------------------|------------------|
| Date: | <u>4/25/2017</u> |
| Time: | <u>14:00</u> |
| Weather: | <u>Sunny</u> |
| Outdoor Temperature: | <u>~68° F</u> |
| Inside Trailer Temperature: | <u>~80° F</u> |
| Performed By: | <u>Mike Ryan</u> |

| O ₂ Generator (AirSep) | | Compressor (Kaesar Rotary Screw) | |
|--|-----------------------|--|-----------------------|
| Hours | <u>20,216.0</u> | Compressor Tank * | <u>110</u> (psi) |
| Feed Air Pressure * | <u>105</u> (psi) | (readings below are made from control panel) | |
| Cycle Pressure * | <u>75</u> (psi) | Delivery Air | <u>105</u> (psi) |
| Oxygen Receiver Pressure * | <u>90</u> (psi) | Element Outlet Temperature | <u>187</u> (oF) |
| Oxygen Purity | <u>67.0</u> (percent) | Running Hours | <u>23,541</u> (hours) |
| | | Loading Hours | <u>15,398</u> (hours) |
| * maximum reading during loading cycle | | * maximum reading during loading cycle | |

| O ₂ Injection System #1 | | | | | | | | | | | |
|------------------------------------|-------|------|-----|------------------|-------|------|-----|------------------|-------|------|-----|
| Injection Bank 1 | | | | Injection Bank 2 | | | | Injection Bank 3 | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-1 | 95.5 | 35 | 30 | OW-1-5S | 67.3 | 30 | 18 | OW-1-9D | 88.5 | 35 | 31 |
| OW-1-2 | 96.5 | 30 | 18 | OW-1-6S | 67.0 | 35 | 18 | OW-1-10D | 87.2 | 30 | 26 |
| OW-1-3 | 96.3 | 40 | 30 | OW-1-7S | 66.9 | 35 | 19 | OW-1-11D | 86.1 | 35 | 30 |
| OW-1-4 | 95.0 | 30 | 31 | OW-1-8S | 66.7 | 40 | 19 | OW-1-12D | 85.3 | 30 | 29 |
| OW-1-5D | 93.9 | 30 | 32 | OW-1-9S | 66.0 | 40 | 19 | OW-1-13D | 84.7 | 35 | 29 |
| OW-1-6D | 92.4 | 35 | 30 | OW-1-10S | 54.6 | 30 | 13 | OW-1-14D | 84.1 | 40 | 30 |
| OW-1-7D | 91.1 | 30 | 30 | OW-1-11S | 54.1 | 30 | 14 | OW-1-15D | 83.3 | 40 | 29 |
| OW-1-8D | 89.6 | 40 | 32 | OW-1-12S | 53.6 | 30 | 14 | OW-1-16D | 82.5 | 30 | 15 |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection times at Bank #1 and Bank #3 were set at 3 minutes.

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Date: 4/25/2017

O₂ Injection System #1

| Injection Bank 4 | | | | Injection Bank 5 | | | | Injection Bank 6 | | | |
|------------------|-------|------|-----|------------------|-------|------|-----|------------------|-------|------|-----|
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-13S | 53.1 | 35 | 14 | OW-1-17D | 79.5 | 30 | 15 | OW-1-21S | 49.3 | 30 | 13 |
| OW-1-14S | 52.7 | 35 | 15 | OW-1-18D | 78.3 | 30 | 26 | OW-1-22S | 49.3 | 30 | 13 |
| OW-1-15S | 52.2 | 35 | 13 | OW-1-19D | 78.9 | 30 | 27 | OW-1-23S | 48.8 | 30 | 14 |
| OW-1-16SR | 51.8 | 40 | 30 | OW-1-20D | 79.5 | 30 | 29 | OW-1-24S | 48.4 | 30 | 13 |
| OW-1-17S | 50.7 | 30 | 26 | OW-1-21D | 79.5 | 45 | 26 | OW-1-25S | 48.8 | 30 | 13 |
| OW-1-18S | 50.2 | 35 | 13 | OW-1-22D | 79.5 | 35 | 27 | OW-1-26SR | 48.3 | 30 | 13 |
| OW-1-19S | 49.7 | OFF | OFF | OW-1-23D | 78.7 | 30 | 27 | OW-1-27S | 48.3 | 30 | 13 |
| OW-1-20S | 49.3 | 30 | 10 | OW-1-24D | 78.2 | 30 | 29 | OW-1-28S | 48.3 | 30 | 13 |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection times at Bank #5 were set at 3 minutes.

O₂ Injection System #1

| Injection Bank 7 | | | | Injection Bank 8 | | | | Injection Bank 9 | | | |
|------------------|-------|------|-----|------------------|-------|------|-----|------------------|-------|------|-----|
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-25D | 78.1 | 45 | 28 | OW-1-29S | 48.5 | 20 | 13 | OW-1-33D | 83.2 | 35 | 30 |
| OW-1-26D | 78.1 | 40 | 29 | OW-1-30S | 48.8 | 25 | 14 | OW-1-34D | 84.5 | 35 | 29 |
| OW-1-27D | 77.9 | 30 | 28 | OW-1-31S | 49.3 | 30 | 13 | OW-1-35D | 85.0 | 40 | 29 |
| OW-1-28D | 78.0 | 30 | 27 | OW-1-32S | 49.3 | 30 | 13 | OW-1-36D | 85.0 | 30 | 30 |
| OW-1-29D | 78.4 | 25 | 27 | OW-1-33S | 49.7 | 30 | 14 | OW-1-37D | 84.0 | 30 | 29 |
| OW-1-30D | 79.0 | 35 | 37 | OW-1-34S | 50.1 | 30 | 13 | OW-1-38D | 82.0 | 30 | 28 |
| OW-1-31D | 80.5 | 30 | 21 | OW-1-35S | 50.3 | 40 | 14 | OW-1-39D | 78.0 | 30 | 28 |
| OW-1-32D | 81.6 | 30 | 31 | OW-1-36S | 50.3 | 35 | 14 | OW-1-40D | 76.0 | 30 | 27 |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings.

Date: 4/25/2017

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

O₂ Injection System #1

| Injection Bank 10 | | | | Injection Bank 11 | | | | Injection Bank 12 | | | |
|-------------------|-------|------|-----|-------------------|-------|------|-----|-------------------|-------|------|-----|
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-37S | 50.5 | 30 | 13 | OW-1-41D | 73.6 | 35 | 23 | OW-1-43 | 67.4 | 30 | 22 |
| OW-1-38S | 50.6 | 35 | 14 | OW-1-42D | 71.0 | 35 | 22 | OW-1-44 | 66.6 | 35 | 20 |
| OW-1-39S | 50.7 | 40 | 14 | OW-1-45 | 65.7 | 45 | 20 | OW-1-51R | 60.6 | 40 | 17 |
| OW-1-40S | 51.1 | 30 | 13 | OW-1-46 | 64.3 | 40 | 19 | OW-1-52 | 59.3 | 40 | 17 |
| OW-1-41S | 51.5 | 30 | 14 | OW-1-47 | 63.4 | 30 | 18 | OW-1-53 | 60.0 | 40 | 17 |
| OW-1-42S | 51.3 | 30 | 14 | OW-1-48 | 62.5 | 30 | 18 | OW-1-54 | 60.0 | 35 | 17 |
| | | | | OW-1-49 | 61.5 | 40 | 17 | | | | |
| | | | | OW-1-50 | 61.0 | 30 | 18 | | | | |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection time at Bank #11 was set at 6 minutes.

O₂ Injection System #1

| Monitoring Points Log | | | | Monitoring Points Log | | | | Monitoring Points Log | |
|-----------------------|-------|------------------|-----------|-----------------------|-------|------------------|-----------|-----------------------|------------------|
| ID | DTW | DO (mg/L) Bottom | PID (ppm) | ID | DTW | DO (mg/L) Bottom | PID (ppm) | ID | DO (mg/L) Middle |
| MP-1-1D | 29.25 | | 0.3 | MP-1-5 | 29.03 | 16.57 | 0 | MP-1-1D | 21.83 |
| MP-1-1S | 29.32 | 24.04 | 0.1 | MP-1-6 | 21.41 | 15.19 | 0 | MP-1-2D | 25.11 |
| MP-1-2D | 23.63 | | 0 | MP-1-7 | 24.65 | 28.65 | 0 | MP-1-3D | 24.69 |
| MP-1-2S | 23.85 | 27.77 | 0 | MP-1-8 | 26.17 | 5.05 | 0 | MP-1-4D | 24.01 |
| MP-1-3D | 21.82 | | 0 | | | | | | |
| MP-1-3S | 21.78 | 21.45 | 0 | | | | | | |
| MP-1-4D | 24.61 | | 0.2 | | | | | | |
| MP-1-4S | 24.63 | 24.63 | 0 | | | | | | |

Comments: DO readings were collected at the following depths: MP-1-1S (66 feet), MP-1-1D (~45 feet), MP-1-2S (46 feet), MP-1-2D (~41 feet), MP-1-3S (49 feet), MP-1-3D (~40 feet), MP-1-4S (53 feet), MP-1-4D (~35 feet), MP-1-5 (78 feet), MP-1-6 (61 feet), MP-1-7 (64 feet) and MP-1-8 (58 feet).

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

| | |
|-----------------------------|------------------|
| Date: | <u>5/31/2017</u> |
| Time: | <u>14:45</u> |
| Weather: | <u>Sunny</u> |
| Outdoor Temperature: | <u>~70° F</u> |
| Inside Trailer Temperature: | <u>~67° F</u> |
| Performed By: | <u>Mike Ryan</u> |

| O ₂ Generator (AirSep) | | Compressor (Kaesar Rotary Screw) | |
|--|-----------------------|--|-----------------------|
| Hours | <u>20,289.0</u> | Compressor Tank * | <u>110</u> (psi) |
| Feed Air Pressure * | <u>100</u> (psi) | (readings below are made from control panel) | |
| Cycle Pressure * | <u>70</u> (psi) | Delivery Air | <u>110</u> (psi) |
| Oxygen Receiver Pressure * | <u>105</u> (psi) | Element Outlet Temperature | <u>190</u> (oF) |
| Oxygen Purity | <u>65.0</u> (percent) | Running Hours | <u>23,622</u> (hours) |
| | | Loading Hours | <u>15,461</u> (hours) |
| * maximum reading during loading cycle | | * maximum reading during loading cycle | |

| O ₂ Injection System #1 | | | | | | | | | | | |
|------------------------------------|-------|------|-----|------------------|-------|------|-----|------------------|-------|------|-----|
| Injection Bank 1 | | | | Injection Bank 2 | | | | Injection Bank 3 | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-1 | 95.5 | 30 | 32 | OW-1-5S | 67.3 | 30 | 18 | OW-1-9D | 88.5 | 35 | 29 |
| OW-1-2 | 96.5 | 40 | 19 | OW-1-6S | 67.0 | 30 | 19 | OW-1-10D | 87.2 | 35 | 25 |
| OW-1-3 | 96.3 | 30 | 30 | OW-1-7S | 66.9 | 30 | 19 | OW-1-11D | 86.1 | 25 | 31 |
| OW-1-4 | 95.0 | 35 | 31 | OW-1-8S | 66.7 | 40 | 18 | OW-1-12D | 85.3 | 25 | 0 |
| OW-1-5D | 93.9 | 35 | 31 | OW-1-9S | 66.0 | 30 | 19 | OW-1-13D | 84.7 | 25 | 30 |
| OW-1-6D | 92.4 | 30 | 30 | OW-1-10S | 54.6 | 30 | 13 | OW-1-14D | 84.1 | 30 | 30 |
| OW-1-7D | 91.1 | 30 | 30 | OW-1-11S | 54.1 | 30 | 14 | OW-1-15D | 83.3 | 35 | 28 |
| OW-1-8D | 89.6 | 40 | 31 | OW-1-12S | 53.6 | 30 | 14 | OW-1-16D | 82.5 | 30 | 14 |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection times at Bank #1 and Bank #3 were set at 3 minutes.

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Date: 5/31/2017

O₂ Injection System #1

| Injection Bank 4 | | | | Injection Bank 5 | | | | Injection Bank 6 | | | |
|------------------|-------|------|-----|------------------|-------|------|-----|------------------|-------|------|-----|
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-13S | 53.1 | 30 | 14 | OW-1-17D | 79.5 | 30 | 14 | OW-1-21S | 49.3 | 25 | 13 |
| OW-1-14S | 52.7 | 35 | 15 | OW-1-18D | 78.3 | 40 | 27 | OW-1-22S | 49.3 | 25 | 13 |
| OW-1-15S | 52.2 | 30 | 13 | OW-1-19D | 78.9 | 35 | 26 | OW-1-23S | 48.8 | 30 | 13 |
| OW-1-16SR | 51.8 | 30 | 28 | OW-1-20D | 79.5 | 30 | 28 | OW-1-24S | 48.4 | 30 | 13 |
| OW-1-17S | 50.7 | 35 | 25 | OW-1-21D | 79.5 | 30 | 27 | OW-1-25S | 48.8 | 45 | 13 |
| OW-1-18S | 50.2 | 25 | 13 | OW-1-22D | 79.5 | 30 | 26 | OW-1-26SR | 48.3 | 40 | 13 |
| OW-1-19S | 49.7 | OFF | OFF | OW-1-23D | 78.7 | 30 | 26 | OW-1-27S | 48.3 | 30 | 13 |
| OW-1-20S | 49.3 | 30 | 14 | OW-1-24D | 78.2 | 30 | 27 | OW-1-28S | 48.3 | 30 | 13 |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection times at Bank #5 were set at 3 minutes.

O₂ Injection System #1

| Injection Bank 7 | | | | Injection Bank 8 | | | | Injection Bank 9 | | | |
|------------------|-------|------|-----|------------------|-------|------|-----|------------------|-------|------|-----|
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-25D | 78.1 | 30 | 28 | OW-1-29S | 48.5 | 30 | 13 | OW-1-33D | 83.2 | 20 | 30 |
| OW-1-26D | 78.1 | 30 | 28 | OW-1-30S | 48.8 | 30 | 13 | OW-1-34D | 84.5 | 30 | 29 |
| OW-1-27D | 77.9 | 30 | 28 | OW-1-31S | 49.3 | 30 | 13 | OW-1-35D | 85.0 | 35 | 29 |
| OW-1-28D | 78.0 | 35 | 27 | OW-1-32S | 49.3 | 30 | 13 | OW-1-36D | 85.0 | 35 | 28 |
| OW-1-29D | 78.4 | 30 | 27 | OW-1-33S | 49.7 | 30 | 14 | OW-1-37D | 84.0 | 25 | 28 |
| OW-1-30D | 79.0 | 35 | 37 | OW-1-34S | 50.1 | 30 | 13 | OW-1-38D | 82.0 | 30 | 28 |
| OW-1-31D | 80.5 | 30 | 20 | OW-1-35S | 50.3 | 30 | 14 | OW-1-39D | 78.0 | 30 | 28 |
| OW-1-32D | 81.6 | 30 | 30 | OW-1-36S | 50.3 | 30 | 14 | OW-1-40D | 76.0 | 30 | 27 |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings.

Date: 5/31/2017

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

O₂ Injection System #1

| Injection Bank 10 | | | | Injection Bank 11 | | | | Injection Bank 12 | | | |
|-------------------|-------|------|-----|-------------------|-------|------|-----|-------------------|-------|------|-----|
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-37S | 50.5 | 30 | 12 | OW-1-41D | 73.6 | 25 | 23 | OW-1-43 | 67.4 | 30 | 20 |
| OW-1-38S | 50.6 | 35 | 13 | OW-1-42D | 71.0 | 30 | 22 | OW-1-44 | 66.6 | 35 | 20 |
| OW-1-39S | 50.7 | 30 | 14 | OW-1-45 | 65.7 | 35 | 20 | OW-1-51R | 60.6 | 30 | 18 |
| OW-1-40S | 51.1 | 30 | 14 | OW-1-46 | 64.3 | 30 | 18 | OW-1-52 | 59.3 | 30 | 16 |
| OW-1-41S | 51.5 | 35 | 14 | OW-1-47 | 63.4 | 45 | 17 | OW-1-53 | 60.0 | 35 | 17 |
| OW-1-42S | 51.3 | 30 | 13 | OW-1-48 | 62.5 | 40 | 18 | OW-1-54 | 60.0 | 30 | 17 |
| | | | | OW-1-49 | 61.5 | 30 | 18 | | | | |
| | | | | OW-1-50 | 61.0 | 30 | 17 | | | | |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection time at Bank #11 was set at 6 minutes.

O₂ Injection System #1

| Monitoring Points Log | | | | Monitoring Points Log | | | | Monitoring Points Log | |
|-----------------------|-------|---------------------|-----------|-----------------------|-------|---------------------|-----------|-----------------------|---------------------|
| ID | DTW | DO (mg/L) Bottom | PID (ppm) | ID | DTW | DO (mg/L) Bottom | PID (ppm) | ID | DO (mg/L) Middle |
| MP-1-1D | 29.00 | | 2.4 | MP-1-5 | 28.80 | 14.72 | 18 | MP-1-1D | 13.11 |
| MP-1-1S | 29.05 | 12.70 | 0.1 | MP-1-6 | 21.10 | 14.00 | 0 | MP-1-2D | 23.60 |
| MP-1-2D | 23.40 | | 0.9 | MP-1-7 | 23.32 | 19.10 | 0 | MP-1-3D | 15.10 |
| MP-1-2S | 23.60 | 12.55 | 0.4 | MP-1-8 | 25.85 | 4.81 | 0 | MP-1-4D | 10.12 |
| MP-1-3D | 21.53 | | 0 | | | | | | |
| MP-1-3S | 21.47 | 14.51 | 0 | | | | | | |
| MP-1-4D | 24.25 | | 0 | | | | | | |
| MP-1-4S | 24.31 | 11.55 | 0 | | | | | | |

Comments: DO readings were collected at the following depths: MP-1-1S (66 feet), MP-1-1D (~45 feet), MP-1-2S (46 feet), MP-1-2D (~41 feet), MP-1-3S (49 feet), MP-1-3D (~40 feet), MP-1-4S (53 feet), MP-1-4D (~35 feet), MP-1-5 (78 feet), MP-1-6 (61 feet), MP-1-7 (64 feet) and MP-1-8 (58 feet).

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Date: 5/31/2017

OPERATIONAL NOTES

GA5 Air Compressor

- | | | |
|--|------------------------------|-----------------------------|
| 1) Oil Level Checked with system unloaded* | Yes <u> X </u> | No <u> </u> |
| * Unload system, wait until Delivery Air Pressure is less than 9 psi | | |
| 2) Oil Level with system unloaded | | |
| Low (red) <u> X </u> | Normal (green) <u> </u> | High (orange) <u> </u> |
| 3) Oil added | Yes <u> X </u> | No <u> </u> |
| 4) Oil changed | Yes <u> </u> | No <u> X </u> |
| 5) Oil filter changed | Yes <u> </u> | No <u> X </u> |
| 6) Air filter Changed | Yes <u> </u> | No <u> X </u> |
| 7) Oil separator changed | Yes <u> </u> | No <u> X </u> |
| 8) Terminal strips checked | Yes <u> X </u> | No <u> </u> |

AS-80 O₂ Generator

- | | | |
|-----------------------|-------------------|-----------------|
| 1) Profiler changed | Yes <u> </u> | No <u> X </u> |
| 2) Coalescing changed | Yes <u> </u> | No <u> X </u> |

GENERAL SYSTEM NOTES

Trailer

- | | | | |
|----|---|------------------|------------------|
| 1) | Performed general housekeeping (i.e. sweep, collect trash inside and out, etc.) | Yes <u> X </u> | No <u> </u> |
| 2) | Abnormal conditions observed (e.g. vandalism) <u> </u> | | |
| 3) | Other major activities completed <u> </u> | | |
| 4) | Supplies needed <u> </u> | | |
| 5) | Visitors <u> </u> | | |

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Record routine activities such as any alarm/shutdowns, sampling, maintenance, material transported off-site, oil/filter/gasket and/or any other abnormal operating conditions:

5-31-17 Found system down upon arrival. Found no communication from alarm system. Found transmitter on top of shed damaged due to overgrown tree limbs. Repaired transmitter and tested communication. Found communication functioning properly. Checked out compressor and found unit to be over heating. Added a small amount of oil to the compressor and checked for cooling oil clogs. Found no visible issues with compressor. Requested D&D Electric Motors to come to site to trouble shoot compressor.

6-1-17 Took apart solenoid valves on oxygen generator and cleaned all dirt and silt buildup. Replaced one exhaust solenoid valve. Took apart both filter bowls and found heavy build up of silt. Changed filters, o-rings, and reinstalled. Took apart auto drains and cleaned. Blew out discharge hoses of silt. Left system off while waiting for D&D.

6-2-17 Went to site to wait for D&D. Replaced worn out section of 3/8 teflon hose into separator unit. Took apart contacts on motor control for booster pump and cleaned and greased bearings on motor. Repaired exhaust vent in wall and sealed with silicone. Wiped down all equipment and left system off while waiting for D&D.

6-5-17 Met with D&D at site. Checked compressor and found a section of cable from the heat transmitter was broken and needs to be replaced, as well as the thermostat inside the junction block not functioning. Made a temporary repair to the cable so system can run while we wait for parts.

OW-1-19S remains off due to leaking line.

PID was checked with 100 ppm isobutylene prior to calibration and unit was reading 98 ppm. Zeroed unit with fresh air and was reading 0.0 ppm. Calibrated with 100 ppm isobutylene and reading was 100 ppm.

Electric Meter # 96-934-323 tied into Pole #4

Action Items:

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

| | |
|-----------------------------|-----------|
| Date: | 6/30/2017 |
| Time: | 13:45 |
| Weather: | Sunny |
| Outdoor Temperature: | ~86° F |
| Inside Trailer Temperature: | ~68° F |
| Performed By: | Mike Ryan |

| O ₂ Generator (AirSep) | Compressor (Kaesar Rotary Screw) |
|---|--|
| Hours 20,311.0 | Compressor Tank * _____ (psi) |
| Feed Air Pressure * _____ (psi) | (readings below are made from control panel) |
| Cycle Pressure * _____ (psi) | Delivery Air _____ (psi) |
| Oxygen Receiver Pressure * _____ (psi) | Element Outlet Temperature _____ (oF) |
| Oxygen Purity _____ (percent) | Running Hours 23,681 (hours) |
| | Loading Hours 15,499 (hours) |
| <small>* maximum reading during loading cycle</small> | <small>* maximum reading during loading cycle</small> |

| O ₂ Injection System #1 | | | | | | | | | | | |
|------------------------------------|-------|------|-----|------------------|-------|------|-----|------------------|-------|------|-----|
| Injection Bank 1 | | | | Injection Bank 2 | | | | Injection Bank 3 | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-1 | 95.5 | OFF | OFF | OW-1-5S | 67.3 | OFF | OFF | OW-1-9D | 88.5 | OFF | OFF |
| OW-1-2 | 96.5 | OFF | OFF | OW-1-6S | 67.0 | OFF | OFF | OW-1-10D | 87.2 | OFF | OFF |
| OW-1-3 | 96.3 | OFF | OFF | OW-1-7S | 66.9 | OFF | OFF | OW-1-11D | 86.1 | OFF | OFF |
| OW-1-4 | 95.0 | OFF | OFF | OW-1-8S | 66.7 | OFF | OFF | OW-1-12D | 85.3 | OFF | OFF |
| OW-1-5D | 93.9 | OFF | OFF | OW-1-9S | 66.0 | OFF | OFF | OW-1-13D | 84.7 | OFF | OFF |
| OW-1-6D | 92.4 | OFF | OFF | OW-1-10S | 54.6 | OFF | OFF | OW-1-14D | 84.1 | OFF | OFF |
| OW-1-7D | 91.1 | OFF | OFF | OW-1-11S | 54.1 | OFF | OFF | OW-1-15D | 83.3 | OFF | OFF |
| OW-1-8D | 89.6 | OFF | OFF | OW-1-12S | 53.6 | OFF | OFF | OW-1-16D | 82.5 | OFF | OFF |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection times at Bank #1 and Bank #3 were set at 3 minutes.

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Date: 6/30/2017

O₂ Injection System #1

| Injection Bank 4 | | | | Injection Bank 5 | | | | Injection Bank 6 | | | |
|------------------|-------|------|-----|------------------|-------|------|-----|------------------|-------|------|-----|
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-13S | 53.1 | OFF | OFF | OW-1-17D | 79.5 | OFF | OFF | OW-1-21S | 49.3 | OFF | OFF |
| OW-1-14S | 52.7 | OFF | OFF | OW-1-18D | 78.3 | OFF | OFF | OW-1-22S | 49.3 | OFF | OFF |
| OW-1-15S | 52.2 | OFF | OFF | OW-1-19D | 78.9 | OFF | OFF | OW-1-23S | 48.8 | OFF | OFF |
| OW-1-16SR | 51.8 | OFF | OFF | OW-1-20D | 79.5 | OFF | OFF | OW-1-24S | 48.4 | OFF | OFF |
| OW-1-17S | 50.7 | OFF | OFF | OW-1-21D | 79.5 | OFF | OFF | OW-1-25S | 48.8 | OFF | OFF |
| OW-1-18S | 50.2 | OFF | OFF | OW-1-22D | 79.5 | OFF | OFF | OW-1-26SR | 48.3 | OFF | OFF |
| OW-1-19S | 49.7 | OFF | OFF | OW-1-23D | 78.7 | OFF | OFF | OW-1-27S | 48.3 | OFF | OFF |
| OW-1-20S | 49.3 | OFF | OFF | OW-1-24D | 78.2 | OFF | OFF | OW-1-28S | 48.3 | OFF | OFF |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection times at Bank #5 were set at 3 minutes.

O₂ Injection System #1

| Injection Bank 7 | | | | Injection Bank 8 | | | | Injection Bank 9 | | | |
|------------------|-------|------|-----|------------------|-------|------|-----|------------------|-------|------|-----|
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-25D | 78.1 | OFF | OFF | OW-1-29S | 48.5 | OFF | OFF | OW-1-33D | 83.2 | OFF | OFF |
| OW-1-26D | 78.1 | OFF | OFF | OW-1-30S | 48.8 | OFF | OFF | OW-1-34D | 84.5 | OFF | OFF |
| OW-1-27D | 77.9 | OFF | OFF | OW-1-31S | 49.3 | OFF | OFF | OW-1-35D | 85.0 | OFF | OFF |
| OW-1-28D | 78.0 | OFF | OFF | OW-1-32S | 49.3 | OFF | OFF | OW-1-36D | 85.0 | OFF | OFF |
| OW-1-29D | 78.4 | OFF | OFF | OW-1-33S | 49.7 | OFF | OFF | OW-1-37D | 84.0 | OFF | OFF |
| OW-1-30D | 79.0 | OFF | OFF | OW-1-34S | 50.1 | OFF | OFF | OW-1-38D | 82.0 | OFF | OFF |
| OW-1-31D | 80.5 | OFF | OFF | OW-1-35S | 50.3 | OFF | OFF | OW-1-39D | 78.0 | OFF | OFF |
| OW-1-32D | 81.6 | OFF | OFF | OW-1-36S | 50.3 | OFF | OFF | OW-1-40D | 76.0 | OFF | OFF |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings.

Date: 6/30/2017

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

O₂ Injection System #1

| Injection Bank 10 | | | | Injection Bank 11 | | | | Injection Bank 12 | | | |
|-------------------|-------|------|-----|-------------------|-------|------|-----|-------------------|-------|------|-----|
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | psi |
| OW-1-37S | 50.5 | OFF | OFF | OW-1-41D | 73.6 | OFF | OFF | OW-1-43 | 67.4 | OFF | OFF |
| OW-1-38S | 50.6 | OFF | OFF | OW-1-42D | 71.0 | OFF | OFF | OW-1-44 | 66.6 | OFF | OFF |
| OW-1-39S | 50.7 | OFF | OFF | OW-1-45 | 65.7 | OFF | OFF | OW-1-51R | 60.6 | OFF | OFF |
| OW-1-40S | 51.1 | OFF | OFF | OW-1-46 | 64.3 | OFF | OFF | OW-1-52 | 59.3 | OFF | OFF |
| OW-1-41S | 51.5 | OFF | OFF | OW-1-47 | 63.4 | OFF | OFF | OW-1-53 | 60.0 | OFF | OFF |
| OW-1-42S | 51.3 | OFF | OFF | OW-1-48 | 62.5 | OFF | OFF | OW-1-54 | 60.0 | OFF | OFF |
| | | | | OW-1-49 | 61.5 | OFF | OFF | | | | |
| | | | | OW-1-50 | 61.0 | OFF | OFF | | | | |

Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection time at Bank #11 was set at 6 minutes.

O₂ Injection System #1

| Monitoring Points Log | | | | Monitoring Points Log | | | | Monitoring Points Log | |
|-----------------------|-------|------------------|-----------|-----------------------|-------|------------------|-----------|-----------------------|------------------|
| ID | DTW | DO (mg/L) Bottom | PID (ppm) | ID | DTW | DO (mg/L) Bottom | PID (ppm) | ID | DO (mg/L) Middle |
| MP-1-1D | 28.85 | | 0.2 | MP-1-5 | 28.66 | 8.14 | 0 | MP-1-1D | 8.13 |
| MP-1-1S | 28.92 | 6.57 | 0 | MP-1-6 | 20.99 | 6.27 | 0 | MP-1-2D | 5.98 |
| MP-1-2D | 23.23 | | 0 | MP-1-7 | 24.22 | 13.00 | 0 | MP-1-3D | 7.00 |
| MP-1-2S | 23.45 | 6.55 | 0 | MP-1-8 | 25.76 | 14.01 | 0 | MP-1-4D | 7.12 |
| MP-1-3D | 21.41 | | 0.3 | | | | | | |
| MP-1-3S | 21.35 | 7.67 | 0.5 | | | | | | |
| MP-1-4D | 24.17 | | 0 | | | | | | |
| MP-1-4S | 21.21 | 8.55 | 0 | | | | | | |

Comments: DO readings were collected at the following depths: MP-1-1S (66 feet), MP-1-1D (~45 feet), MP-1-2S (46 feet), MP-1-2D (~41 feet), MP-1-3S (49 feet), MP-1-3D (~40 feet), MP-1-4S (53 feet), MP-1-4D (~35 feet), MP-1-5 (78 feet), MP-1-6 (61 feet), MP-1-7 (64 feet) and MP-1-8 (58 feet).

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Date: 6/30/2017

OPERATIONAL NOTES

GA5 Air Compressor

- | | | |
|--|----------------------|---------------------|
| 1) Oil Level Checked with system unloaded* | Yes _____ | No <u>X</u> _____ |
| * Unload system, wait until Delivery Air Pressure is less than 9 psi | | |
| 2) Oil Level with system unloaded | | |
| Low (red) <u>X</u> _____ | Normal (green) _____ | High (orange) _____ |
| 3) Oil added | Yes _____ | No <u>X</u> _____ |
| 4) Oil changed | Yes _____ | No <u>X</u> _____ |
| 5) Oil filter changed | Yes _____ | No <u>X</u> _____ |
| 6) Air filter Changed | Yes _____ | No <u>X</u> _____ |
| 7) Oil separator changed | Yes _____ | No <u>X</u> _____ |
| 8) Terminal strips checked | Yes _____ | No <u>X</u> _____ |

AS-80 O₂ Generator

- | | | |
|-----------------------|-----------|-------------------|
| 1) Profiler changed | Yes _____ | No <u>X</u> _____ |
| 2) Coalescing changed | Yes _____ | No <u>X</u> _____ |

GENERAL SYSTEM NOTES

Trailer

- | | | | |
|----|---|--------------------|----------|
| 1) | Performed general housekeeping (i.e. sweep, collect trash inside and out, etc.) | Yes <u>X</u> _____ | No _____ |
| 2) | Abnormal conditions observed (e.g. vandalism) _____ | | |
| 3) | Other major activities completed _____ | | |
| 4) | Supplies needed _____ | | |
| 5) | Visitors _____ | | |

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Record routine activities such as any alarm/shutdowns, sampling, maintenance, material transported off-site, oil/filter/gasket and/or any other abnormal operating conditions:

6-1-17 Took apart solenoid valves on oxygen generator and cleaned all dirt and silt buildup. Replaced one exhaust solenoid valve. Took apart both filter bowls and found heavy build up of silt. Changed filters, O-rings, and reinstalled. Took apart auto drains and cleaned. Blew out discharge hoses of silt. Left system off while waiting for D&D.

6-2-17 Went to site to wait for D&D. Replaced worn out section of 3/8 Teflon hose into separator unit. Took apart contacts on motor control for booster pump and cleaned and greased bearings on motor. Repaired exhaust vent in wall and sealed with silicone. Wiped down all equipment and left system off while waiting for D&D.

6-5-17 Met with D&D at site. Checked compressor and found a section of cable from the heat transmitter was broken and needs to be replaced, as well as the thermostat inside the junction block not functioning. Made a temporary repair to the cable so system can run while we wait for parts.

6-26-17 Found system down upon arrival due to temporary repair not holding. Found oil boiled out of holding canister and the lines melted and broken apart. Drained all remaining oil and flushed out burned oil with all remaining oil in stock. Need more oil and new canister filters from Kaeser in order to restart system. Installed new thermostat and thermostat cable. Left system off.

6-30-17 Collected readings from monitoring point while system awaits parts to be repaired. Cut down overgrown brush from around fence areas and cleaned up garbage.

OW-1-19S remains off due to leaking line.

Electric Meter # 96-934-323 tied into Pole #4

Action Items:

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

| | | | | | | | | | | | |
|--|--|-------------|------------|--|---------------|-------------|------------|-------------------------|--------------|-------------|-------------|
| Date: | <u>4/26/2017</u> | | | | | | | | | | |
| Time: | <u>17:00</u> | | | | | | | | | | |
| Weather: | <u>Clear</u> | | | | | | | | | | |
| Outdoor Temperature: | <u>~59° F</u> | | | | | | | | | | |
| Inside Trailer Temperature: | <u>~68° F</u> | | | | | | | | | | |
| Performed By: | <u>Mike Ryan</u> | | | | | | | | | | |
| O2 Generator (AirSep) | | | | Compressor (Kaesar Rotary Screw) | | | | | | | |
| Hours | <u>36,938</u> | | | Compressor Tank * | <u>100</u> | | | (psi) | | | |
| Feed Air Pressure * | <u>95</u> | (psi) | | (readings below are made from control panel) | | | | | | | |
| Cycle Pressure * | <u>65</u> | (psi) | | Delivery Air | <u>105</u> | | | (psi) | | | |
| Oxygen Receiver Pressure * | <u>95</u> | (psi) | | Element Outlet Temperature | <u>189</u> | | | (°F) | | | |
| | | | | Running Hours | <u>39,981</u> | | | (hours) | | | |
| | | | | Loading Hours | <u>36,938</u> | | | (hours) | | | |
| Oxygen Purity | <u>70.5</u> | (percent) | | | | | | | | | |
| * maximum reading during loading cycle | | | | * maximum reading during loading cycle | | | | | | | |
| O₂ Injection System #2 | | | | | | | | | | | |
| Injection Bank A | | | | Injection Bank B | | | | Injection Bank C | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | scfh |
| OW-2-2 | 90.2' | 35 | 32 | OW-2-9S | 75' | 25 | 21 | OW-2-10D | 97.2' | 30 | 29 |
| OW-2-3 | 94.3' | 35 | 30 | OW-2-10S | 75' | 30 | 34 | OW-2-11D | 100.8' | 40 | 34 |
| OW-2-4 | 94.7' | 40 | 33 | OW-2-11S | 76.5' | 30 | 25 | OW-2-12 | 94' | 45 | 20 |
| OW-2-5 | 95.3' | 30 | 30 | OW-2-13S | 75' | 25 | 21 | OW-2-13D | 97' | 40 | 36 |
| OW-2-6 | 95.7' | 30 | 29 | OW-2-15S | 75' | 30 | 21 | OW-2-14 | 96.4' | 35 | 28 |
| OW-2-7 | 96' | 35 | 30 | OW-2-16S | 75.5' | 30 | 20 | OW-2-15D | 94.6' | 30 | 29 |
| OW-2-8 | 96.3' | 30 | 30 | OW-2-18S | 74.5' | 30 | 20 | OW-2-16D | 94.1' | 30 | 29 |
| OW-2-9D | 96.7' | 30 | 31 | OW-2-20S | 79' | 30 | 21 | OW-2-17 | 95' | 30 | 31 |
| Comments: | All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. | | | | | | | | | | |

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

| Date: 4/26/2017 | | | | | | | | | | | |
|--|-------|------|-----|------------------|-------|------|-----|-----------------------|-------|------------------|-----------|
| O ₂ Injection System #2 | | | | | | | | | | | |
| Injection Bank D | | | | Injection Bank E | | | | Injection Bank F | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | scfh |
| OW-2-18D | 95.5' | 30 | 33 | OW-2-22S | 76' | 40 | 20 | OW-2-26D | 95' | 30 | 29 |
| OW-2-19 | 96.1' | 30 | 30 | OW-2-24S | 77.8' | 30 | 24 | OW-2-27 | 93.5' | 25 | 32 |
| OW-2-20D | 96.6' | 30 | 29 | OW-2-26S | 74' | 45 | 21 | OW-2-28D | 92.1' | 20 | 30 |
| OW-2-21 | 96.6' | 35 | 34 | OW-2-28S | 76' | 45 | 23 | OW-2-29 | 92.2' | 25 | 31 |
| OW-2-22D | 96.3' | 35 | 28 | OW-2-30S | 67.8' | 30 | 19 | OW-2-30D | 88' | 25 | 29 |
| OW-2-23 | 97.2' | 30 | 31 | OW-2-34 | 71' | 30 | 22 | OW-2-31 | 86' | 35 | 27 |
| OW-2-24D | 97' | 30 | 30 | OW-2-35 | 69.2' | 30 | 23 | OW-2-32 | 84' | 30 | 30 |
| OW-2-25 | 96' | 30 | 31 | OW-2-36 | 64.8' | 30 | 35 | OW-2-33 | 82' | 30 | 22 |
| Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection banks D & E are turned off. | | | | | | | | | | | |
| O ₂ Injection System #2 | | | | | | | | | | | |
| Injection Bank G | | | | Injection Bank H | | | | Monitoring Points Log | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | DTW | DO (mg/L) Bottom | PID (ppm) |
| OW-2-37 | 62.8' | 30 | 22 | OW-2-45 | 61.1' | 30 | 22 | MP-2-1 | 32.17 | 28.00 | 0 |
| OW-2-38 | 62.1' | 30 | 22 | OW-2-46 | 61' | 30 | 21 | MP-2-2 | 33.50 | 27.25 | 0 |
| OW-2-39 | 60' | 25 | 20 | OW-2-47 | 60.5' | 35 | 21 | MP-2-3S | 33.41 | 25.14 | 0 |
| OW-2-40 | 61.7' | 30 | 21 | | | | | MP-2-3D | 33.52 | 26.84 | 0 |
| OW-2-41 | 61.7' | 30 | 22 | | | | | MP-2-4 | 22.10 | 21.26 | 0 |
| OW-2-42 | 61.6' | 30 | 19 | | | | | MP-2-5 | 20.29 | 23.63 | 0 |
| OW-2-43 | 61.4' | 30 | 20 | | | | | | | | |
| OW-2-44R | 60.6' | 35 | 22 | | | | | | | | |
| Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. | | | | | | | | | | | |

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

| | | | | | | | | | | | |
|--|--|-------------|------------|--|---------------|-------------|------------|-------------------------|--------------|-------------|-------------|
| Date: | <u>5/30/2017</u> | | | | | | | | | | |
| Time: | <u>11:45</u> | | | | | | | | | | |
| Weather: | <u>Rain</u> | | | | | | | | | | |
| Outdoor Temperature: | <u>~70° F</u> | | | | | | | | | | |
| Inside Trailer Temperature: | <u>~65° F</u> | | | | | | | | | | |
| Performed By: | <u>Mike Ryan</u> | | | | | | | | | | |
| O2 Generator (AirSep) | | | | Compressor (Kaesar Rotary Screw) | | | | | | | |
| Hours | <u>37,361</u> | | | Compressor Tank * | <u>105</u> | | | (psi) | | | |
| Feed Air Pressure * | <u>100</u> | (psi) | | (readings below are made from control panel) | | | | | | | |
| Cycle Pressure * | <u>65</u> | (psi) | | Delivery Air | <u>110</u> | | | (psi) | | | |
| Oxygen Receiver Pressure * | <u>95</u> | (psi) | | Element Outlet Temperature | <u>171</u> | | | (°F) | | | |
| | | | | Running Hours | <u>40,598</u> | | | (hours) | | | |
| | | | | Loading Hours | <u>37,099</u> | | | (hours) | | | |
| Oxygen Purity | <u>76.9</u> | (percent) | | | | | | | | | |
| * maximum reading during loading cycle | | | | * maximum reading during loading cycle | | | | | | | |
| O₂ Injection System #2 | | | | | | | | | | | |
| Injection Bank A | | | | Injection Bank B | | | | Injection Bank C | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | scfh |
| OW-2-2 | 90.2' | 40 | 31 | OW-2-9S | 75' | 35 | 20 | OW-2-10D | 97.2' | 30 | 30 |
| OW-2-3 | 94.3' | 30 | 29 | OW-2-10S | 75' | 30 | 14 | OW-2-11D | 100.8' | 30 | 34 |
| OW-2-4 | 94.7' | 35 | 33 | OW-2-11S | 76.5' | 30 | 23 | OW-2-12 | 94' | 35 | 21 |
| OW-2-5 | 95.3' | 45 | 30 | OW-2-13S | 75' | 35 | 20 | OW-2-13D | 97' | 30 | 36 |
| OW-2-6 | 95.7' | 40 | 29 | OW-2-15S | 75' | 30 | 21 | OW-2-14 | 96.4' | 35 | 29 |
| OW-2-7 | 96' | 40 | 29 | OW-2-16S | 75.5' | 40 | 20 | OW-2-15D | 94.6' | 40 | 28 |
| OW-2-8 | 96.3' | 30 | 28 | OW-2-18S | 74.5' | 30 | 19 | OW-2-16D | 94.1' | 40 | 29 |
| OW-2-9D | 96.7' | 35 | 30 | OW-2-20S | 79' | 40 | 20 | OW-2-17 | 95' | 30 | 30 |
| Comments: | All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. | | | | | | | | | | |

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

| Date: 5/30/2017 | | | | | | | | | | | |
|--|-------|------|-----|------------------|-------|------|-----|-----------------------|-------|------------------|-----------|
| O ₂ Injection System #2 | | | | | | | | | | | |
| Injection Bank D | | | | Injection Bank E | | | | Injection Bank F | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | scfh |
| OW-2-18D | 95.5' | 35 | 32 | OW-2-22S | 76' | 40 | 19 | OW-2-26D | 95' | 30 | 30 |
| OW-2-19 | 96.1' | 40 | 9 | OW-2-24S | 77.8' | 30 | 23 | OW-2-27 | 93.5' | 30 | 30 |
| OW-2-20D | 96.6' | 30 | 28 | OW-2-26S | 74' | 30 | 20 | OW-2-28D | 92.1' | 35 | 30 |
| OW-2-21 | 96.6' | 30 | 34 | OW-2-28S | 76' | 30 | 21 | OW-2-29 | 92.2' | 40 | 29 |
| OW-2-22D | 96.3' | 35 | 28 | OW-2-30S | 67.8' | 40 | 20 | OW-2-30D | 88' | 40 | 29 |
| OW-2-23 | 97.2' | 30 | 30 | OW-2-34 | 71' | 35 | 22 | OW-2-31 | 86' | 40 | 27 |
| OW-2-24D | 97' | 35 | 29 | OW-2-35 | 69.2' | 35 | 23 | OW-2-32 | 84' | 30 | 29 |
| OW-2-25 | 96' | 35 | 31 | OW-2-36 | 64.8' | 30 | 34 | OW-2-33 | 82' | 30 | 22 |
| Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection banks D & E are turned off. | | | | | | | | | | | |
| O ₂ Injection System #2 | | | | | | | | | | | |
| Injection Bank G | | | | Injection Bank H | | | | Monitoring Points Log | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | DTW | DO (mg/L) Bottom | PID (ppm) |
| OW-2-37 | 62.8' | 40 | 23 | OW-2-45 | 61.1' | 30 | 21 | MP-2-1 | 38.85 | 14.02 | 0 |
| OW-2-38 | 62.1' | 45 | 22 | OW-2-46 | 61' | 35 | 21 | MP-2-2 | 33.20 | 21.49 | 0 |
| OW-2-39 | 60' | 40 | 20 | OW-2-47 | 60.5' | 30 | 20 | MP-2-3S | 33.05 | 27.42 | 0 |
| OW-2-40 | 61.7' | 30 | 19 | | | | | MP-2-3D | 33.20 | 30.25 | 0 |
| OW-2-41 | 61.7' | 35 | 20 | | | | | MP-2-4 | 21.75 | 19.45 | 0 |
| OW-2-42 | 61.6' | 30 | 19 | | | | | MP-2-5 | 19.90 | 15.60 | 0 |
| OW-2-43 | 61.4' | 30 | 21 | | | | | | | | |
| OW-2-44R | 60.6' | 30 | 22 | | | | | | | | |
| Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. | | | | | | | | | | | |

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Date: 5/30/2017

OPERATIONAL NOTES

GA5 Air Compressor

- | | | | | |
|--|-----------|-----------------|----------------|-----------------|
| 1) Oil Level Checked with system unloaded* | Yes | <u>X</u> | No | <u> </u> |
| * Unload system, wait until Delivery Air Pressure is less than 9 psi | | | | |
| 2) Oil Level with system unloaded | Low (red) | <u> </u> | Normal (green) | <u> </u> |
| | | | X | High (orange) |
| 3) Oil added | Yes | <u> </u> | No | <u>X</u> |
| 4) Oil changed | Yes | <u> </u> | No | <u>X</u> |
| 5) Oil filter changed | Yes | <u> </u> | No | <u>X</u> |
| 6) Air filter Changed | Yes | <u> </u> | No | <u>X</u> |
| 7) Oil separator cleaned | Yes | <u> </u> | No | <u>X</u> |
| 8) Terminal strips checked | Yes | <u>X</u> | No | <u> </u> |

AS-80 O₂ Generator

- | | | | | |
|-----------------------|-----|-----------------|----|----------|
| 1) Prefilter changed | Yes | <u> </u> | No | <u>X</u> |
| 2) Coalescing changed | Yes | <u> </u> | No | <u>X</u> |

GENERAL SYSTEM NOTES

Trailer

- | | | | | |
|--|-----------------|----------|----|-----------------|
| 1) Performed general housekeeping (i.e. sweep, collect trash inside and out, etc.) | Yes | <u>X</u> | No | <u> </u> |
| 2) Abnormal conditions observed (e.g. vandalism) | <u> </u> | | | |
| 3) Other major activities completed | <u> </u> | | | |
| 4) Supplies needed | <u> </u> | | | |
| 5) Visitors | <u> </u> | | | |

Record routine activities such as any alarm/shutdowns, sampling, maintenance, material transported off-site, oil/filter/gasket and/or any other abnormal operating conditions:

5-30-17 Found system operation upon arrival. Found leak in auto drain bowl. Glued crack to repair. Added small amount of cooling oil to compressor. Flushed out discharge lines and cleaned out base of oil/water separator. Wiped down all equipment and cleaned up debris and leaves around shed. Restarted system and left system running.

PID was checked with 100 ppm isobutylene prior to calibration and unit was reading 98 ppm. Zeroed unit with fresh air and was reading 0.0 ppm. Calibrated with 100 ppm isobutylene and reading was 100 ppm.

Electric Meter # 96-929-544 tied into Pole #3

Action Items:

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

| | | | | | | | | | | | |
|--|--|-------------|------------|--|---------------|-------------|------------|-------------------------|--------------|-------------|-------------|
| Date: | <u>6/30/2017</u> | | | | | | | | | | |
| Time: | <u>10:30</u> | | | | | | | | | | |
| Weather: | <u>Sunny</u> | | | | | | | | | | |
| Outdoor Temperature: | <u>~84° F</u> | | | | | | | | | | |
| Inside Trailer Temperature: | <u>~80° F</u> | | | | | | | | | | |
| Performed By: | <u>Mike Ryan</u> | | | | | | | | | | |
| O2 Generator (AirSep) | | | | Compressor (Kaesar Rotary Screw) | | | | | | | |
| Hours | <u>37,777</u> | | | Compressor Tank * | <u>100</u> | | | (psi) | | | |
| Feed Air Pressure * | <u>85</u> | (psi) | | (readings below are made from control panel) | | | | | | | |
| Cycle Pressure * | <u>60</u> | (psi) | | Delivery Air | <u>105</u> | | | (psi) | | | |
| Oxygen Receiver Pressure * | <u>120</u> | (psi) | | Element Outlet Temperature | <u>172</u> | | | (°F) | | | |
| | | | | Running Hours | <u>41,332</u> | | | (hours) | | | |
| | | | | Loading Hours | <u>37,547</u> | | | (hours) | | | |
| Oxygen Purity | <u>83</u> | (percent) | | | | | | | | | |
| * maximum reading during loading cycle | | | | * maximum reading during loading cycle | | | | | | | |
| O₂ Injection System #2 | | | | | | | | | | | |
| Injection Bank A | | | | Injection Bank B | | | | Injection Bank C | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | scfh |
| OW-2-2 | 90.2' | 30 | 32 | OW-2-9S | 75' | 40 | 21 | OW-2-10D | 97.2' | 30 | 29 |
| OW-2-3 | 94.3' | 30 | 30 | OW-2-10S | 75' | 30 | 15 | OW-2-11D | 100.8' | 30 | 32 |
| OW-2-4 | 94.7' | 30 | 33 | OW-2-11S | 76.5' | 40 | 21 | OW-2-12 | 94' | 35 | 21 |
| OW-2-5 | 95.3' | 35 | 30 | OW-2-13S | 75' | 30 | 20 | OW-2-13D | 97' | 35 | 35 |
| OW-2-6 | 95.7' | 25 | 30 | OW-2-15S | 75' | 35 | 20 | OW-2-14 | 96.4' | 30 | 30 |
| OW-2-7 | 96' | 30 | 29 | OW-2-16S | 75.5' | 30 | 20 | OW-2-15D | 94.6' | 30 | 28 |
| OW-2-8 | 96.3' | 30 | 28 | OW-2-18S | 74.5' | 30 | 20 | OW-2-16D | 94.1' | 30 | 29 |
| OW-2-9D | 96.7' | 30 | 30 | OW-2-20S | 79' | 30 | 19 | OW-2-17 | 95' | 35 | 31 |
| Comments: | All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. | | | | | | | | | | |

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

| Date: 6/30/2017 | | | | | | | | | | | |
|--|-------|------|-----|------------------|-------|------|-----|-----------------------|-------|------------------|-----------|
| O ₂ Injection System #2 | | | | | | | | | | | |
| Injection Bank D | | | | Injection Bank E | | | | Injection Bank F | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | Depth | scfh | scfh |
| OW-2-18D | 95.5' | 30 | 31 | OW-2-22S | 76' | 30 | 20 | OW-2-26D | 95' | 25 | 31 |
| OW-2-19 | 96.1' | 25 | 30 | OW-2-24S | 77.8' | 30 | 24 | OW-2-27 | 93.5' | 25 | 30 |
| OW-2-20D | 96.6' | 25 | 28 | OW-2-26S | 74' | 30 | 22 | OW-2-28D | 92.1' | 35 | 30 |
| OW-2-21 | 96.6' | 30 | 32 | OW-2-28S | 76' | 35 | 23 | OW-2-29 | 92.2' | 35 | 30 |
| OW-2-22D | 96.3' | 25 | 29 | OW-2-30S | 67.8' | 40 | 20 | OW-2-30D | 88' | 30 | 31 |
| OW-2-23 | 97.2' | 30 | 31 | OW-2-34 | 71' | 35 | 23 | OW-2-31 | 86' | 30 | 27 |
| OW-2-24D | 97' | 30 | 30 | OW-2-35 | 69.2' | 30 | 24 | OW-2-32 | 84' | 30 | 31 |
| OW-2-25 | 96' | 30 | 30 | OW-2-36 | 64.8' | 30 | 33 | OW-2-33 | 82' | 30 | 23 |
| Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. Injection banks D & E are turned off. | | | | | | | | | | | |
| O ₂ Injection System #2 | | | | | | | | | | | |
| Injection Bank G | | | | Injection Bank H | | | | Monitoring Points Log | | | |
| ID | Depth | scfh | psi | ID | Depth | scfh | psi | ID | DTW | DO (mg/L) Bottom | PID (ppm) |
| OW-2-37 | 62.8' | 35 | 24 | OW-2-45 | 61.1' | 35 | 21 | MP-2-1 | 37.70 | 22.54 | 0.7 |
| OW-2-38 | 62.1' | 30 | 23 | OW-2-46 | 61' | 30 | 20 | MP-2-2 | 33.05 | 23.41 | 0 |
| OW-2-39 | 60' | 35 | 21 | OW-2-47 | 60.5' | 30 | 20 | MP-2-3S | 32.92 | 26.84 | 0 |
| OW-2-40 | 61.7' | 30 | 20 | | | | | MP-2-3D | 33.10 | 27.12 | 0 |
| OW-2-41 | 61.7' | 35 | 20 | | | | | MP-2-4 | 19.81 | 18.47 | 1.3 |
| OW-2-42 | 61.6' | 40 | 18 | | | | | MP-2-5 | 21.64 | 25.55 | 0 |
| OW-2-43 | 61.4' | 30 | 21 | | | | | | | | |
| OW-2-44R | 60.6' | 30 | 22 | | | | | | | | |
| Comments: All injection point flows were adjusted to the target flow rate of ~30 scfh provided that the pressure reading was no greater than the pressures provided in the hydrostatic tables prepared by URS Corporation after collecting readings. | | | | | | | | | | | |

OXYGEN INJECTION OPERATION MAINTENANCE LOG SHEET

SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Date: 6/30/2017

OPERATIONAL NOTES

GA5 Air Compressor

- | | | | | |
|--|-----------|-----------------|----------------|-----------------|
| 1) Oil Level Checked with system unloaded* | Yes | <u>X</u> | No | <u> </u> |
| * Unload system, wait until Delivery Air Pressure is less than 9 psi | | | | |
| 2) Oil Level with system unloaded | Low (red) | <u> </u> | Normal (green) | <u> </u> |
| | | | <u>X</u> | High (orange) |
| 3) Oil added | Yes | <u> </u> | No | <u>X</u> |
| 4) Oil changed | Yes | <u> </u> | No | <u>X</u> |
| 5) Oil filter changed | Yes | <u> </u> | No | <u>X</u> |
| 6) Air filter Changed | Yes | <u> </u> | No | <u>X</u> |
| 7) Oil separator cleaned | Yes | <u> </u> | No | <u>X</u> |
| 8) Terminal strips checked | Yes | <u>X</u> | No | <u> </u> |

AS-80 O₂ Generator

- | | | | | |
|-----------------------|-----|-----------------|----|----------|
| 1) Prefilter changed | Yes | <u> </u> | No | <u>X</u> |
| 2) Coalescing changed | Yes | <u> </u> | No | <u>X</u> |

GENERAL SYSTEM NOTES

Trailer

- | | | | | |
|--|-----------------|----------|----|-----------------|
| 1) Performed general housekeeping (i.e. sweep, collect trash inside and out, etc.) | Yes | <u>X</u> | No | <u> </u> |
| 2) Abnormal conditions observed (e.g. vandalism) | <u> </u> | | | |
| 3) Other major activities completed | <u> </u> | | | |
| 4) Supplies needed | <u> </u> | | | |
| 5) Visitors | <u> </u> | | | |

Record routine activities such as any alarm/shutdowns, sampling, maintenance, material transported off-site, oil/filter/gasket and/or any other abnormal operating conditions:

6-30-17 Found system operational upon arrival. Check auto drains and found clear and operating properly. Found AC unit not functioning. Tested cord and got unit to restart. Wiped down all equipment and cleaned up debris and leaves around shed. Restarted system and left system running.

PID was checked with 100 ppm isobutylene prior to calibration and unit was reading 98 ppm. Zeroed unit with fresh air and was reading 0.0 ppm. Calibrated with 100 ppm isobutylene and reading was 100 ppm.

Electric Meter # 96-929-544 tied into Pole #3

Action Items: