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2008 Annual Groundwater Sampling and NAPL Monitoring/Recovery Report 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:

URS Corporation - New York
77 Goodell Street
Buffalo, New York 14203

URS

March 2009

2008 ANNUAL GROUNDWATER SAMPLING AND NAPL MONITORING/RECOVERY REPORT

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

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ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
BTEX	benzene, toluene, ethylbenzene, xylenes
DNAPL	dense non-aqueous phase liquid
DO	dissolved oxygen
DUSR	data usability summary report
ft	foot (feet)
LNAPL	light non-aqueous phase liquid
NAPL	non-aqueous phase liquid
ND	not detected
MGP	manufactured gas plant
NM	not measured
NYSDEC	New York State Department of Environmental Conservation
ORP	oxidation-reduction potential
PAHs	polycyclic aromatic hydrocarbons
QC	quality control
RI	remedial investigation
Sh	sheen
TOR	top of riser
URS	URS Corporation
USEPA	United States Environmental Protection Agency
µg/L	micrograms per liter

EXECUTIVE SUMMARY

This annual report provides a summary of field activities and data interpretations associated with groundwater sampling and recovery of non-aqueous phase liquid (NAPL) at the Hempstead Intersection Street Former Manufactured Gas Plant (MGP) site in 2008.

Groundwater monitoring and sampling was conducted on January 23-31, April 7-17, July 1-9, and October 16-28, 2008. This included measuring the depth to groundwater and NAPL thickness in up to 83 wells. Groundwater samples were collected from 19 wells and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs). NAPL monitoring and recovery was conducted during 22 events between January to December 2008.

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

- The general direction of groundwater flow in shallow, intermediate, and deep water-bearing zones was south at an average gradient that ranged from approximately 0.001-0.003 feet per feet (ft/ft) in 2008.
- The dissolved-phase plume extended up to approximately 3,600 ft south of the site boundary in 2008.
- Dense non-aqueous phase liquid (DNAPL) was detected in 21 wells during the fourth quarter, 14 wells during the third quarter, 16 wells during the second quarter, and 10 wells during the first quarter of 2008. The wells were located on site or within a parking lot immediately south of the site.
- Approximately 210 gallons of NAPL have been recovered since April 2007. The volume of NAPL recovered from the site wells in 2008 varied from approximately 2 to 8 gallons per event. The approximate volumes of NAPL recovered were 34 gallons during the fourth quarter, 20 gallons during the third quarter, 16 gallons during the second quarter, and 11 gallons during the first quarter.

- Based on a comparison between the 2008 data and the previous data the concentrations of total BTEX and total PAHs remained stable in the site monitoring wells.
- The dissolved-phase groundwater plume boundary interpretation for the fourth quarter monitoring event is shown further west than previous interpretations presented for the first, second, and third quarter 2008 monitoring events. The current plume representation is consistent with the plume representation in the November 2006 RI Report.
- The fourth quarter plume interpretation incorporated data from the fourth quarter monitoring event and from newly installed monitoring wells HIMW-20S and -20I. Data from the remedial investigation (RI) report and from recent pre-design investigations for the site-wide remedy were also used to interpret the plume boundaries in this report. The graphical plume boundary interpretations from the first, second, and third quarters are included in the previous quarterly reports.

1.0 INTRODUCTION

This annual report summarizes potentiometric head measurements, NAPL thickness measurements, and groundwater quality sampling performed during the first, second, third, and fourth quarters of 2008 at the Hempstead Intersection Street Former MGP Site (refer to Figures 1 and 2). The results of NAPL recovery activities conducted throughout 2008 are also presented.

Quarterly groundwater monitoring and bimonthly recovery of NAPL was initiated in April 2007. Separate reports have been issued for first, second, and third quarter activities performed in 2008 (URS 2008c, 2008d, 2009). Results of the fourth quarter activities have not been presented in a separate quarterly report; instead, they are included in this annual report. A separate report was also issued for second and third quarter activities performed in 2007 and an annual report was issued that encompassed all three quarters of 2007 (URS 2007, 2008a).

URS Corporation (URS) performed the following activities in 2008:

- Measured the depth to groundwater and NAPL thickness in all accessible monitoring wells (January 22-23, April 16-17, July 1-9, and October 15, 2008).
- Collected groundwater samples from a select group of monitoring wells for laboratory analysis (January 23-31, April 16-17, July 1-9, and October 16-28).
- Recovered NAPL from accessible monitoring wells and piezometers (January 10, February 12, February 27, March 14, April 3, April 17, May 1, May 15, May 28, June 13, June 27, July 18, July 31, August 15, August 28, September 11, October 15, October 27, November 11, November 24, December 9, and December 23, 2008).

2.0 FIELD ACTIVITIES

The field activities performed by URS are summarized below.

- Measurement of the depth to groundwater and NAPL thickness in 83 monitoring wells.
- Collection of groundwater samples from 19 monitoring wells.
- Recovery of NAPL from accessible monitoring wells that contained measurable NAPL.

Monitoring wells and piezometers used for these activities are listed in Table 1.

2.1 Groundwater Depth and NAPL Thickness Measurements

Depths to groundwater and NAPL thickness measurements for 2008 are listed in Table 2. An electronic water level indicator was used to measure the depth to groundwater. NAPL thickness was measured using an oil/water interface probe and a weighted cotton string coated with oil indicator paste.

2.2 Ground Water Sampling

Low-flow groundwater sampling methods were used, which consisted of purging groundwater at a rate of between 250 and 500 milliliters per minute. The water was pumped through a flow-through cell and monitored for pH, conductivity, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Purging was continued until stable conditions were achieved (defined as three consecutive stable readings [i.e. $\pm$ 10 percent] over a 15 minute period). Groundwater samples were collected afterwards and shipped under chain-of-custody procedures to H2M laboratories, Inc. for analysis of BTEX (United States Environmental Protection Agency [USEPA] Method 8260B) and PAHs (USEPA Method 8270C).

2.3 NAPL Recovery

Recovery of NAPL was conducted using the appropriate personal protective equipment. First, all accessible wells included in the recovery program were gauged using an oil/water

interface probe to determine the depth to water, depth and thickness to any possible light non-aqueous phase liquid (LNAPL) at the top of the water column, and depth and thickness to possible DNAPL at the bottom of the water column. Wells with DNAPL were also gauged with a weighted cotton string to confirm the DNAPL thickness. The DNAPL was recovered using a Waterra inertial lift pump and was stored in a 55-gallon steel drum for subsequent disposal.

The quantity of the recovered DNAPL was estimated as the volume of NAPL contained inside the well prior to pumping, based on the cross sectional area of the well screen multiplied by the measured NAPL thickness.

3.0 RESULTS

3.1 Potentiometric Heads and NAPL Thickness

Potentiometric heads and NAPL thickness measurements for 2008 are presented in Table 2. Potentiometric surface maps for shallow, intermediate and deep groundwater zones for the fourth quarter (Figures 3, 4, and 5) were developed using this data. Potentiometric surface maps for the third quarter, second quarter, and first quarter are provided in the previous quarterly reports (URS 2008c, 2008d, 2009).

The data for 2008 indicates that the direction of groundwater flow was south at an average gradient that ranged from approximately 0.001-0.003 ft/ft.

DNAPL was detected in 21 wells during the fourth quarter, 14 wells in the third quarter, 16 wells in the second quarter, and 10 wells in the first quarter, 2008 (Table 3). Figures 6 through 9 illustrate the thickness of DNAPL that was measured for the fourth, third, second, and first quarters of 2008.

Figures 10A through 10V provide cumulative NAPL recovery and NAPL thickness plots for the period of December 2003 to December 2008. All of the wells where DNAPL was identified are either on the site or within a parking lot that is immediately south of the site.

3.2 Groundwater Analytical Results

Groundwater analytical results for the fourth, third, second, and first quarters of 2008 are summarized in Table 4 and illustrated on Figures 6-9.

Quarterly Data Usability Summary Reports (DUSRs) were prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation Draft DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for the Development of Data Usability Summary Reports, December 2002. An electronic copy of the DUSR for the fourth quarter monitoring event is included as Appendix A. Electronic copies of the DUSRs for the first, second, and third quarter monitoring events are provided in the quarterly reports. The reviews included a review of holding times; completeness of all required deliverables; quality control (QC) results (blanks,

instrument tunes, calibration standards, matrix spike recoveries, duplicate analyses, and laboratory control sample recoveries) to determine if the data is 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.

3.3 NAPL Recovery Volumes

Approximately 34 gallons of NAPL were recovered from 21 wells during the fourth quarter, approximately 20 gallons of NAPL recovered from 12 wells in the third quarter, approximately 16 gallons of NAPL from 10 wells in the second quarter, and approximately 11 gallons of NAPL from 8 wells in the first quarter of 2008 (Table 3). The volume of NAPL recovered during each event varied from approximately 2 to 8 gallons per event. Approximately 210 gallons of NAPL have been recovered since April 2007.

3.4 Dissolved-Phase Plume

The extent of the dissolved-phase groundwater plume boundary for the fourth quarter of 2008 is shown in Figure 11. The core of the plume, as defined by the total BTEX or total PAH concentration greater than 5,000 micrograms per liter (µg/L), extends to approximately 750 feet south of the site's boundary. Based on Figure 11, the downgradient boundary of the plume, which is defined by total BTEX or total PAH concentrations greater than 100 µg/L, extends to approximately 3,600 feet south of the site boundary. Based on comparison with previous quarterly groundwater monitoring data, the concentrations of total BTEX and total PAHs in groundwater have remained stable.

The dissolved-phase groundwater plume boundary interpretation shown on Figure 11 incorporates data from the fourth quarter monitoring event and from newly installed monitoring wells HIMW-20S and HIMW-20I. Data was also used from the RI report (PS&S, 2006) and from the recent pre-design investigation sampling. The pre-design investigation data will also be presented in a separate future document (Pre-Design Investigation Report) for the site-wide remedy that is described in the Feasibility Study/Remedial Action Plan (URS, 2008b).

Figure 11 shows that the groundwater plume boundary interpretation for the fourth quarter extending further west than previous interpretations included in the third, second, and first quarter reports (URS, 2008c, 2008d, 2009). These previous plume boundary interpretations were developed using only quarterly groundwater monitoring well data, and did not include the 2006 RI Report data.

The previous plume interpretations in quarterly reports also included data from wells HIMW-08S, -08I, and -08D where BTEX and PAHs were either not detected or detected at low concentrations (i.e. less than 100 µg/L). Groundwater monitoring data from temporary sampling points installed in the vicinity of HIMW-08S and -08I indicate that the dissolved phase concentrations of BTEX and PAHs are higher than what these wells typically show. The recent pre-design investigation results indicate that the current plume boundary interpretation and extent closely resemble the interpretation that was presented in the 2006 RI Report, which indicates that the plume is stable.

4.0 SUMMARY

Following is a summary of the 2008 annual groundwater sampling and NAPL monitoring/recovery data presented in this report.

- The general direction of groundwater flow in shallow, intermediate, and deep water-bearing zones was south at an average gradient that ranged from approximately 0.001-0.003 ft/ft in 2008.
- The dissolved-phase plume extended up to approximately 3,600 feet south of the site boundary in 2008.
- Dense non-aqueous phase liquid (DNAPL) was detected in 21 wells during the fourth quarter, 14 wells during the third quarter, 16 wells during the second quarter, and 10 wells during the first quarter of 2008. The wells were located on site or within a parking lot immediately south of the site.
- Approximately 210 gallons of NAPL have been recovered since April 2007. The volume of NAPL recovered from the site wells in 2008 varied from approximately 2 to 8 gallons per event. The approximate volumes of NAPL recovered were 34 gallons during the fourth quarter, 20 gallons during the third quarter, 16 gallons during the second quarter, and 11 gallons during the first quarter.
- Based on a comparison between the 2008 data and the previous data the concentrations of total BTEX and total PAHs remained stable in the site monitoring wells.
- The dissolved-phase groundwater plume boundary interpretation for the fourth quarter monitoring event is shown further west than previous interpretations presented for the first, second, and third quarter 2008 monitoring events. The current plume representation is consistent with the plume representation in the Nov. 2006 RI Report.
- The fourth quarter plume interpretation incorporated data from the fourth quarter monitoring event and from newly installed monitoring wells HIMW-20S and -20I. Data from the remedial investigation (RI) report and from recent pre-design

investigations for the site-wide remedy were also used to interpret the plume boundaries in this report. The graphical plume boundary interpretations from the first, second, and third quarters are included in the previous quarterly reports.

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URS, 2008c. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the First Quarter of 2008 (January – March 2008) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* June.

URS, 2008d. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the Second Quarter of 2008 (April - June 2008) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* October.

URS, 2009. *Groundwater Sampling and NAPL Monitoring/Recovery Report for the Third Quarter of 2008 (July - September 2008) for the Hempstead Intersection Street Former Manufactured Gas Plant Site.* January.

USEPA.

TABLES

Table 1
Summary of 2008 Field Activities [(1), (2)]
Water Level Measurements, NAPL Thickness Measurements, and Water Quality Sampling
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter (Oct-Dec 2008)			Third Quarter (Jul-Aug 2008)			Second Quarter (Apr-May 2008)			First Quarter (Jan-Mar 2008)		
	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality
HIMW-001S	X	X		X	X		X	X		X	X	
HIMW-001I	X	X		X	X		X	X		X	X	
HIMW-001D	X						X	X		X	X	
HIMW-002S	X						X	X		X	X	
HIMW-002I	X						X	X		X	X	
HIMW-002D	X						X	X		X	X	
HIMW-003S	X		X	X	X	X	X	X	X	X	X	X
HIMW-003I	X		X	X	X	X	X	X	X	X	X	X
HIMW-003D	X		X			X	X	X	X	X	X	X
HIMW-004S	X						X	X		X	X	
HIMW-004I	X						X	X		X	X	
HIMW-004D	X						X	X		X	X	
HIMW-005S	X		X	X	X	X	X	X	X	X	X	X
HIMW-005I	X		X	X	X	X	X	X	X	X	X	X
HIMW-005D	X		X			X	X	X	X	X	X	X
HIMW-006S	X	X		X	X		X	X		X	X	
HIMW-006I	X	X		X	X		X	X		X	X	
HIMW-006D	X						X	X		X	X	
HIMW-007S	X	X		X	X		X	X		X	X	
HIMW-007I	X	X		X	X		X	X		X	X	
HIMW-007D	X	X		X	X		X	X		X	X	
HIMW-008S	X		X			X	X	X	X	X	X	X
HIMW-008I	X		X	X	X	X	X	X	X	X	X	X
HIMW-008D	X		X	X	X	X	X	X	X	X	X	X
HIMW-009S	X						X	X		X	X	
HIMW-009I	X						X	X		X	X	
HIMW-009D	X						X	X		X	X	
HIMW-010S	X						X	X		X	X	
HIMW-010I	X						X	X		X	X	
HIMW-010D	X						X	X		X	X	
HIMW-011S	X	X		X	X		X	X		X	X	
HIMW-011I	X	X		X	X		X	X		X	X	
HIMW-011D							X	X		X	X	
HIMW-012S	X		X	X	X	X	X	X	X	X	X	X
HIMW-012I	X		X	X	X	X	X	X	X	X	X	X
HIMW-012D	X		X	X	X	X	X	X	X	X	X	X
HIMW-013S	X		X	X	X	X	X	X	X	X	X	X
HIMW-013I	X		X	X	X	X	X	X	X	X	X	X
HIMW-013D	X		X	X	X	X	X	X	X	X	X	X
HIMW-014I	X		X	X	X	X	X	X	X	X	X	X
HIMW-014D	X		X	X	X	X	X	X	X	X	X	X
HIMW-015I	X		X	X	X	X	X	X	X	X	X	X
HIMW-015D	X		X	X	X	X	X	X	X	X	X	X
HIMW-016S	X	X		X	X		X	X		X	X	
HIMW-016I	X	X		X	X		X	X		X	X	
HIMW-017S	X	X		X	X		X	X		X	X	
HIMW-018S	X	X		X	X		X	X		X	X	
HIMW-018I	X	X		X	X		X	X		X	X	
HIMW-019S	X	X		X	X		X	X		X	X	
HIMW-019I	X	X		X	X		X	X		X	X	
PZ-02	X						X	X		X	X	
PZ-03	X						X	X		X	X	
PZ-08	X	X		X	X		X	X		X	X	
IPR-01	X	X		X	X		X	X				
IPR-02	X	X		X	X		X	X				
IPR-03	X	X		X	X		X	X				
IPR-04	X	X		X	X		X	X				
IPR-05	X	X		X	X		X	X				
IPR-06	X	X		X	X		X	X				
IPR-07	X	X		X	X		X	X				
IPR-08	X	X		X	X		X	X				
IPR-09	X	X		X	X							
IPR-10	X	X		X	X							
IPR-11	X	X		X	X							

Table 1
Summary of 2008 Field Activities [(1), (2)]
Water Level Measurements, NAPL Thickness Measurements, and Water Quality Sampling
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter (Oct-Dec 2008)			Third Quarter (Jul-Aug 2008)			Second Quarter (Apr-May 2008)			First Quarter (Jan-Mar 2008)		
	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality	Water Level	NAPL Thickness	Water Quality
IPR-12A	X	X		X	X							
IPR-12B	X	X		X	X							
IPR-13	X	X		X	X							
IPR-14	X	X		X	X		X	X				
IPR-15	X	X		X	X		X	X				
IPR-16	X	X		X	X		X	X				
IPR-17	X	X		X	X		X	X				
IPR-18	X	X		X	X		X	X				
IPR-19S	X	X		X	X		X	X				
IPR-19D	X	X		X	X		X	X				
IPR-20	X	X		X	X		X	X				
IPR-21	X	X		X	X		X	X				
IPR-22	X	X		X	X		X	X				
IPR-23	X	X		X	X		X	X				
IPR-24	X	X		X	X		X	X				
IPR-25	X	X		X	X							
OSMW-01	X	X		X	X		X	X				
OSMW-02	X	X		X	X		X	X				
OSMW-03	X	X		X	X		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 1
Summary of 2008 Field Activities [(1), (2)]
Water Level Measurements, NAPL Thickness Measurements, and Water Quality Sampling
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter 2008						Third Quarter 2008					Second Quarter 2008							First Quarter 2008			
	23-Dec	9-Dec	24-Nov	11-Nov	27-Oct	15-Oct	11-Sep	28-Aug	15-Aug	31-Jul	18-Jul	27-Jun	13-Jun	28-May	15-May	1-May	17-Apr	3-Apr	14-Mar	27-Feb	12-Feb	10-Jan
HIMW-001S				X		X			X		X											
HIMW-001I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HIMW-001D																						
HIMW-002S																						
HIMW-002I																						
HIMW-002D																						
HIMW-003S																						
HIMW-003I																						
HIMW-003D																						
HIMW-004S																						
HIMW-004I																						
HIMW-004D																						
HIMW-005S																						
HIMW-005I																						
HIMW-005D																						
HIMW-006S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HIMW-006I		X		X		X					X											
HIMW-006D																						
HIMW-007S	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
HIMW-007I																						
HIMW-007D																						
HIMW-008S																						
HIMW-008I																						
HIMW-008D																						
HIMW-009S																						
HIMW-009I																						
HIMW-009D																						
HIMW-010S																						
HIMW-010I																						
HIMW-010D																						
HIMW-011S																						
HIMW-011I																						
HIMW-011D																						
HIMW-012S																						
HIMW-012I																						
HIMW-012D																						
HIMW-013S																						
HIMW-013I																						
HIMW-013D																						
HIMW-014I																						
HIMW-014D																						
HIMW-015I																						
HIMW-015D																						
HIMW-016S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
HIMW-016I	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X		X	X	X	X
HIMW-017S	X	X	X	X	X	X	X	X	X	X				X	X	X	X		X	X	X	X
HIMW-018S		X						X	X		X			X	X	X	X				X	
HIMW-018I																						
HIMW-019S				X		X																
HIMW-019I																						
PZ-02																						
PZ-03																						
PZ-08		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X

Table 1
Summary of 2008 Field Activities [1], [2]
Water Level Measurements, NAPL Thickness Measurements, and Water Quality Sampling
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter 2008						Third Quarter 2008					Second Quarter 2008							First Quarter 2008			
	23-Dec	9-Dec	24-Nov	11-Nov	27-Oct	15-Oct	11-Sep	28-Aug	15-Aug	31-Jul	18-Jul	27-Jun	13-Jun	28-May	15-May	1-May	17-Apr	3-Apr	14-Mar	27-Feb	12-Feb	10-Jan
IPR-01																						
IPR-02																						
IPR-03																						
IPR-04																						
IPR-05																						
IPR-06		X		X	X	X	X		X	X	X	X										
IPR-07																						
IPR-08																						
IPR-09																						
IPR-10																						
IPR-11																						
IPR-12A		X																				
IPR-12B																						
IPR-13																						
IPR-14																						
IPR-15						X																
IPR-16																						
IPR-17		X				X																
IPR-18																						
IPR-19S																						
IPR-19D																						
IPR-20		X		X		X																
IPR-21		X		X		X																
IPR-22		X	X	X		X			X		X	X	X									
IPR-23																						
IPR-24				X		X																
IPR-25	X	X	X	X	X	X			X	X	X	X										
OSMW-01																						
OSMW-02																						
OSMW-03																						

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
Fourth Quarter 2008
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL [1]	Well Depth	Thickness of LNAPL	Thickness of DNAPL	Corrected Potentiometric Head [2]
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	10/15/2008	71.61	ND	26.44	37.95	38.0	0	0.05	45.17
HIMW-001I	10/15/2008	71.68	ND	26.55	85.55	86.0	0	0.45	45.13
HIMW-001D	10/15/2008	71.95	ND	26.96	ND	124.0	0	0	44.99
HIMW-002S	10/15/2008	73.82	ND	28.48	ND	40.0	0	0	45.34
HIMW-002I	10/15/2008	78.87	ND	28.51	ND	90.0	0	0	50.36
HIMW-002D	10/15/2008	74.13	ND	28.74	ND	116.0	0	0	45.39
HIMW-003S	10/15/2008	65.00	ND	19.95	ND	35.0	0	0	45.05
HIMW-003I	10/15/2008	64.94	ND	20.26	ND	92.5	0	0	44.68
HIMW-003D	10/15/2008	65.26	ND	20.99	ND	145.0	0	0	44.27
HIMW-004S	10/15/2008	72.74	ND	28.32	ND	42.0	0	0	44.42
HIMW-004I	10/15/2008	72.78	ND	28.45	ND	92.0	0	0	44.33
HIMW-004D	10/15/2008	72.65	ND	29.15	ND	179.0	0	0	43.50
HIMW-005S	10/15/2008	67.19	ND	22.62	ND	39.0	0	0	44.57
HIMW-005I	10/15/2008	67.22	ND	22.26	ND	92.0	0	0	44.96
HIMW-005D	10/15/2008	67.22	ND	23.58	ND	142.0	0	0	43.64
HIMW-006S	10/15/2008	68.25	ND	23.40	36.55	37.5	0	0.95	44.85
HIMW-006I	10/15/2008	67.88	ND	23.15	83.75	84.0	0	0.25	44.73
HIMW-006D	10/15/2008	67.77	ND	23.02	ND	118.0	0	0	44.75
HIMW-007S	10/15/2008	70.47	ND	NM	36.52	41.0	0	4.48	NM
HIMW-007I	10/15/2008	70.10	ND	25.59	ND	90.0	0	0	44.51
HIMW-007D	10/15/2008	70.40	ND	NM	ND	117.0	0	0	NM
HIMW-008S	10/15/2008	65.04	ND	20.84	ND	37.0	0	0	44.20
HIMW-008I	10/15/2008	65.14	ND	20.99	ND	75.0	0	0	44.15
HIMW-008D	10/15/2008	64.93	ND	20.84	ND	114.0	0	0	44.09
HIMW-009S	10/15/2008	70.03	ND	25.36	ND	40.0	0	0	44.67
HIMW-009I	10/15/2008	69.93	ND	25.33	ND	82.0	0	0	44.60
HIMW-009D	10/15/2008	69.96	ND	25.45	ND	125.0	0	0	44.51
HIMW-010S	10/15/2008	71.60	ND	26.61	ND	40.0	0	0	44.99
HIMW-010I	10/15/2008	71.47	ND	26.39	ND	92.5	0	0	45.08
HIMW-010D	10/15/2008	71.44	ND	26.45	ND	134.5	0	0	44.99
HIMW-011S	10/15/2008	71.62	ND	26.38	ND	40.0	0	0	45.24
HIMW-011I	10/15/2008	71.43	ND	NM	ND	92.0	0	0	NM
HIMW-011D	10/15/2008	71.39	ND	NM	ND	121.0	0	0	NM
HIMW-012S	10/15/2008	61.58	ND	18.51	ND	34.0	0	0	43.07
HIMW-012I	10/15/2008	61.59	ND	18.37	ND	75.0	0	0	43.22
HIMW-012D	10/15/2008	61.82	ND	20.75	ND	129.0	0	0	41.07
HIMW-013S	10/24/2008	72.83	ND	31.72	ND	49.0	0	0	41.11
HIMW-013I	10/15/2008	72.60	ND	31.29	ND	82.0	0	0	41.31
HIMW-013D	10/15/2008	72.53	ND	31.29	ND	122.0	0	0	41.24
HIMW-014I	10/15/2008	71.71	ND	30.38	ND	97.0	0	0	41.33
HIMW-014D	10/15/2008	71.59	ND	33.16	ND	152.0	0	0	38.43
HIMW-015I	10/15/2008	64.18	ND	25.76	ND	92.0	0	0	38.42
HIMW-015D	10/15/2008	63.96	ND	28.02	ND	153.5	0	0	35.94
HIMW-016S	10/15/2008	67.45	ND	22.90	33.40	36.0	0	2.60	44.55
HIMW-016I	10/15/2008	67.50	ND	22.90	77.15	82.0	0	4.85	44.60

Table 2
Groundwater and NAPL Measurements
Fourth Quarter 2008
Hempstead Intersection Street Former MGP Site

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL (1)	Well Depth	Thickness of LNAPL	Thickness of DNAPL	Corrected Potentiometric Head (2)
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-017S	10/15/2008	65.96	ND	22.78	35.70	37.0	0	1.30	43.18
HIMW-018S	10/15/2008	69.76	ND	24.76	ND	42.0	0	0	45.00
HIMW-018I	10/15/2008	69.70	ND	NM	ND	72.0	0	0	NM
HIMW-019S	10/15/2008	70.95	ND	25.62	36.99	37.0	0	0.01	45.33
HIMW-019I	10/15/2008	71.27	ND	25.80	ND	67.0	0	0	45.47
PZ-02	10/15/2008	72.96	ND	27.11	ND	36.0	0	0	45.85
PZ-03	10/15/2008	64.58	ND	19.07	ND	30.0	0	0	45.51
PZ-08	10/15/2008	70.51	ND	25.55	35.55	36.0	0	0.45	44.96
IPR-01	10/15/2008	70.30	ND	24.96	ND	45.0	0	0	45.34
IPR-02	10/15/2008	68.84	ND	23.62	ND	70.0	0	0	45.22
IPR-03	10/15/2008	69.16	ND	23.99	ND	40.0	0	0	45.17
IPR-04	10/15/2008	69.23	ND	24.12	ND	83.0	0	0	45.11
IPR-05	10/15/2008	70.39	ND	25.26	ND	55.0	0	0	45.13
IPR-06	10/15/2008	70.79	ND	25.71	51.45	51.5	0	0.05	45.08
IPR-07	10/15/2008	69.73	ND	24.81	ND	45.0	0	0	44.92
IPR-08	10/15/2008	70.51	ND	25.57	ND	40.3	0	0	44.94
IPR-09	10/15/2008	70.00	ND	25.06	ND	45.0	0	0	44.94
IPR-10	10/15/2008	70.80	ND	25.77	ND	44.8	0	0	45.03
IPR-11	10/15/2008	68.29	ND	23.43	ND	44.6	0	0	44.86
IPR-12A	10/15/2008	70.14	ND	25.21	ND	45.0	0	0	44.93
IPR-12B	10/15/2008	69.56	ND	24.68	ND	40.0	0	0	44.88
IPR-13	10/15/2008	70.77	ND	25.76	ND	44.4	0	0	45.01
IPR-14	10/15/2008	66.93	ND	22.14	ND	38.8	0	0	44.79
IPR-15	10/15/2008	67.93	ND	23.12	39.39	39.4	0	0.01	44.81
IPR-16	10/15/2008	69.49	ND	24.60	ND	46.0	0	0	44.89
IPR-17	10/15/2008	70.60	ND	25.69	50.99	51.0	0	0.01	44.91
IPR-18	10/15/2008	66.87	ND	22.22	ND	45.0	0	0	44.65
IPR-19S	10/15/2008	67.68	ND	22.98	ND	40.0	0	0	44.70
IPR-19D	10/15/2008	67.96	ND	23.25	ND	85.0	0	0	44.71
IPR-20	10/15/2008	66.70	ND	22.11	9.95	10.0	0	0.05	44.59
IPR-21	10/15/2008	67.67	ND	23.03	39.65	40.0	0	0.35	44.64
IPR-22	10/15/2008	66.33	ND	21.88	39.68	40.0	0	0.32	44.45
IPR-23	10/15/2008	66.67	ND	22.18	ND	40.0	0	0	44.49
IPR-24	10/15/2008	65.88	ND	21.51	39.98	40.0	0	0.02	44.37
IPR-25	10/15/2008	70.56	ND	25.35	39.35	40.0	0	0.65	45.21
OSMW-01	10/15/2008	71.12	ND	25.80	ND	40.0	0	0	45.32
OSMW-02	10/15/2008	71.59	ND	NM	ND	40.0	0	0	NM
OSMW-03	10/15/2008	71.39	ND	26.39	ND	39.0	0	0	45.00

Notes:

(1) Depth to DNAPL/Thickness of DNAPL data collected on 11/11/08 and 11/12/08
(2) Potentiometric heads in wells containing LNAPL are corrected using a specific gravity = 0.96
Sh Sheen (assumed thickness of 0.01 ft)
LNAPL Light Non-Aqueous Phase Liquid
DNAPL Dense Non-Aqueous Phase Liquid
TOR Top Of Riser
amsl above mean sea level
ND Not Detected
NM Not Measured

Table 2
Groundwater and NAPL Measurements
Third Quarter 2008
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 amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	7/18/2008	71.61	ND	25.57	ND	40.9	0	0	46.04
HIMW-001I	7/18/2008	71.68	ND	25.74	84.4	85.9	0	1.50	45.94
HIMW-001D	NM	71.95	ND	NM	ND	129.1	0	0	NM
HIMW-002S	NM	73.82	ND	NM	ND	42.4	0	0	NM
HIMW-002I	NM	78.87	ND	NM	ND	92.9	0	0	NM
HIMW-002D	NM	74.13	ND	NM	ND	119.0	0	0	NM
HIMW-003S	7/1/2008	65.00	ND	18.70	ND	34.8	0	0	46.30
HIMW-003I	7/3/2008	64.94	ND	19.90	ND	87.1	0	0	45.04
HIMW-003D	NM	65.26	ND	NM	ND	145.5	0	0	NM
HIMW-004S	NM	72.74	ND	NM	ND	41.7	0	0	NM
HIMW-004I	NM	72.78	ND	NM	ND	90.6	0	0	NM
HIMW-004D	NM	72.65	ND	NM	ND	180.5	0	0	NM
HIMW-005S	7/1/2008	67.19	ND	21.39	ND	39.1	0	0	45.80
HIMW-005I	7/9/2008	67.22	ND	21.49	ND	92.3	0	0	45.73
HIMW-005D	NM	67.22	ND	NM	ND	139.0	0	0	NM
HIMW-006S	7/18/2008	68.25	ND	22.51	31.88	36.9	0	5.02	45.74
HIMW-006I	7/18/2008	67.88	ND	22.34	ND	82.2	0	0	45.54
HIMW-006D	NM	67.77	ND	NM	ND	120.0	0	0	NM
HIMW-007S	7/18/2008	70.47	ND	24.72	39.49	40.7	0	1.25	45.75
HIMW-007I	7/18/2008	70.10	ND	24.72	ND	90.6	0	0	45.38
HIMW-007D	7/18/2008	70.40	ND	24.66	ND	117.7	0	0	45.74
HIMW-008S	NM	65.04	ND	NM	ND	37.1	0	0	NM
HIMW-008I	7/9/2008	65.14	ND	19.97	ND	75.1	0	0	45.17
HIMW-008D	7/2/2008	64.93	ND	19.60	ND	114.8	0	0	45.33
HIMW-009S	NM	70.03	ND	NM	ND	39.6	0	0	NM
HIMW-009I	NM	69.93	ND	NM	ND	80.5	0	0	NM
HIMW-009D	NM	69.96	ND	NM	ND	NM	0	0	NM
HIMW-010S	NM	71.60	ND	NM	ND	40.3	0	0	NM
HIMW-010I	NM	71.47	ND	NM	ND	91.8	0	0	NM
HIMW-010D	NM	71.44	ND	NM	ND	136.0	0	0	NM
HIMW-011S	7/18/2008	71.62	ND	25.49	ND	41.6	0	0	46.13
HIMW-011I	7/18/2008	71.43	ND	25.37	ND	94.5	0	0	46.06
HIMW-011D	NM	71.39	ND	NM	ND	123.6	0	0	NM
HIMW-012S	7/2/2008	61.58	ND	17.32	ND	33.5	0	0	44.26
HIMW-012I	7/8/2008	61.59	ND	17.28	ND	75.0	0	0	44.31
HIMW-012D	7/1/2008	61.82	ND	18.85	ND	128.5	0	0	42.97
HIMW-013S	7/2/2008	72.83	ND	30.32	ND	49.2	0	0	42.51
HIMW-013I	7/8/2008	72.60	ND	30.21	ND	82.6	0	0	42.39
HIMW-013D	7/7/2008	72.53	ND	30.22	ND	122.5	0	0	42.31
HIMW-014I	7/8/2008	71.71	ND	29.22	ND	96.9	0	0	42.49
HIMW-014D	7/1/2008	71.59	ND	32.96	ND	152.0	0	0	38.63
HIMW-015I	7/8/2008	64.18	ND	25.04	ND	93.1	0	0	39.14
HIMW-015D	7/2/2008	63.96	ND	27.68	ND	155.0	0	0	36.28
HIMW-016S	7/18/2008	67.45	ND	21.80	30.0	34.4	0	4.40	45.65
HIMW-016I	7/18/2008	67.50	ND	22.03	77.1	82.7	0	5.60	45.47

Table 2
Groundwater and NAPL Measurements
Third Quarter 2008
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 amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-017S	7/18/2008	65.96	ND	20.63	ND	36.7	0	0	45.33
HIMW-018S	7/18/2008	69.76	ND	23.92	ND	42.1	0	0.01	45.84
HIMW-018I	7/18/2008	69.70	ND	23.83	ND	71.2	0	0	45.87
HIMW-019S	7/18/2008	70.95	ND	24.74	ND	39.4	0	0.01	46.21
HIMW-019I	7/18/2008	71.27	ND	24.95	ND	68.9	0	0	46.32
PZ-02	NM	72.96	ND	NM	ND	35.3	0	0	NM
PZ-03	NM	64.58	ND	NM	ND	29.5	0	0	NM
PZ-08	7/18/2008	70.51	ND	24.43	34.8	35.5	0	0.70	46.08
IPR-01	7/15/2008	NM	ND	24.07	ND	41.9	0	0	NM
IPR-02	7/15/2008	NM	ND	22.73	ND	70.3	0	0	NM
IPR-03	7/15/2008	NM	ND	23.11	ND	44.7	0	0	NM
IPR-04	7/15/2008	NM	ND	23.25	ND	84.4	0	0	NM
IPR-05	7/14/2008	NM	ND	24.32	ND	52.1	0	0	NM
IPR-06	7/14/2008	NM	ND	24.76	54.7	55.4	0	0.70	NM
IPR-07	7/14/2008	NM	ND	23.86	ND	38.0	0	0	NM
IPR-08	7/14/2008	NM	ND	24.62	ND	40.3	0	0	NM
IPR-09	7/15/2008	NM	ND	24.16	ND	45.0	0	0	NM
IPR-10	7/15/2008	NM	ND	24.88	ND	44.8	0	0	NM
IPR-11	7/15/2008	NM	ND	22.53	ND	44.6	0	0	NM
IPR-12A	7/15/2008	NM	ND	24.32	ND	38.1	0	0	NM
IPR-12B	7/15/2008	NM	ND	23.78	ND	45.2	0	0	NM
IPR-13	7/15/2008	NM	ND	24.87	ND	44.4	0	0	NM
IPR-14	7/14/2008	NM	ND	21.19	ND	44.4	0	0	NM
IPR-15	7/14/2008	NM	ND	22.17	ND	44.4	0	0	NM
IPR-16	7/14/2008	NM	ND	23.84	ND	49.1	0	0	NM
IPR-17	7/14/2008	NM	ND	24.71	ND	54.1	0	0	NM
IPR-18	7/14/2008	NM	ND	21.27	ND	50.0	0	0	NM
IPR-19S	7/18/2008	NM	ND	22.09	ND	45.1	0	0	NM
IPR-19D	7/14/2008	NM	ND	22.33	ND	89.9	0	0	NM
IPR-20	7/14/2008	NM	ND	21.18	ND	45.4	0	0	NM
IPR-21	7/14/2008	NM	ND	22.06	44.61	45.0	0	0.35	NM
IPR-22	7/18/2008	NM	ND	20.98	44.58	45.4	0	0.82	NM
IPR-23	7/18/2008	NM	ND	24.47	44.15	45.4	0	1.25	NM
IPR-24	7/14/2008	NM	ND	20.58	ND	44.4	0	0	NM
IPR-25	7/14/2008	NM	ND	24.38	43.1	44.5	0	1.40	NM
OSMW-01	7/15/2008	NM	ND	24.82	ND	42.2	0	0	NM
OSMW-02	7/15/2008	NM	ND	25.58	ND	45.2	0	0	NM
OSMW-03	7/14/2008	NM	ND	25.51	ND	44.7	0	0	NM

Notes:

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

Sh Sheen (assumed thickness of 0.01 ft)
LNAPL Light Non-Aqueous Phase Liquid
DNAPL Dense Non-Aqueous Phase Liquid
TOR Top Of Riser
amsl above mean sea level
ND Not Detected
NM Not Measured

Table 2
Groundwater and NAPL Measurements
Second Quarter 2008
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 amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	4/16/2008	71.61	ND	24.63	NM	41.0	0	NM	46.98
HIMW-001I	4/16/2008	71.68	ND	24.78	88.5	89.5	0	1.00	46.90
HIMW-001D	4/16/2008	71.95	ND	25.10	ND	129.1	0	0	46.85
HIMW-002S	4/16/2008	73.82	ND	26.69	ND	42.4	0	0	47.13
HIMW-002I	4/16/2008	78.87	ND	26.81	ND	92.9	0	0	52.06
HIMW-002D	4/16/2008	74.13	ND	27.00	ND	119.0	0	0	47.13
HIMW-003S	4/16/2008	65.00	ND	18.09	ND	34.8	0	0	46.91
HIMW-003I	4/16/2008	64.94	ND	18.36	ND	34.7	0	0	46.58
HIMW-003D	4/16/2008	65.26	ND	18.99	ND	145.5	0	0	46.27
HIMW-004S	4/16/2008	72.74	ND	26.49	ND	41.7	0	0	46.25
HIMW-004I	4/16/2008	72.78	ND	26.59	ND	90.6	0	0	46.19
HIMW-004D	4/16/2008	72.65	ND	27.12	ND	180.5	0	0	45.53
HIMW-005S	4/16/2008	67.19	ND	20.83	ND	39.0	0	0	46.36
HIMW-005I	4/16/2008	67.22	ND	20.92	ND	92.2	0	0	46.30
HIMW-005D	4/16/2008	67.22	ND	21.57	ND	139.0	0	0	45.65
HIMW-006S	4/16/2008	68.25	ND	21.63	35.14	36.9	0	1.80	46.62
HIMW-006I	4/16/2008	67.88	ND	21.39	NM	82.9	0	NM	46.49
HIMW-006D	4/16/2008	67.77	ND	21.27	NM	120.0	0	NM	46.50
HIMW-007S	4/16/2008	70.47	ND	23.83	39.74	40.7	0	0.95	46.64
HIMW-007I	4/16/2008	70.10	ND	23.81	ND	91.8	0	0	46.29
HIMW-007D	4/16/2008	70.40	ND	23.76	ND	119.1	0	0	46.64
HIMW-008S	4/16/2008	65.04	ND	19.16	ND	37.1	0	0	45.88
HIMW-008I	4/16/2008	65.14	ND	19.26	ND	76.2	0	0	45.88
HIMW-008D	4/16/2008	64.93	ND	19.18	ND	116.5	0	0	45.75
HIMW-009S	4/16/2008	70.03	ND	23.61	ND	39.6	0	0	46.42
HIMW-009I	4/16/2008	69.93	ND	23.58	ND	80.5	0	0	46.35
HIMW-009D	4/16/2008	69.96	ND	23.71	ND	NM	0	0	46.25
HIMW-010S	4/16/2008	71.60	ND	24.86	ND	40.3	0	0	46.74
HIMW-010I	4/16/2008	71.47	ND	24.71	ND	91.8	0	0	46.76
HIMW-010D	4/16/2008	71.44	ND	24.65	ND	136.0	0	0	46.79
HIMW-011S	4/16/2008	71.62	ND	24.67	ND	40.3	0	0	46.95
HIMW-011I	4/16/2008	71.43	ND	24.51	ND	93.5	0	0	46.92
HIMW-011D	4/16/2008	71.39	ND	24.52	ND	123.6	0	0	46.87
HIMW-012S	4/16/2008	61.58	ND	16.88	ND	33.5	0	0	44.70
HIMW-012I	4/16/2008	61.59	ND	16.76	ND	74.9	0	0	44.83
HIMW-012D	4/16/2008	61.82	ND	18.58	ND	125.8	0	0	43.24
HIMW-013S	4/16/2008	72.83	ND	30.03	ND	46.0	0	0	42.80
HIMW-013I	4/16/2008	72.60	ND	29.81	ND	82.6	0	0	42.79
HIMW-013D	4/16/2008	72.53	ND	29.81	ND	124.2	0	0	42.72
HIMW-014I	4/16/2008	71.71	ND	24.09	ND	96.8	0	0	47.62
HIMW-014D	4/16/2008	71.59	ND	31.29	ND	155.2	0	0	40.30
HIMW-015I	4/16/2008	64.18	ND	24.39	ND	93.0	0	0	39.79
HIMW-015D	4/16/2008	63.96	ND	26.21	ND	155.0	0	0	37.75
HIMW-016S	4/17/2008	67.45	ND	21.07	29.61	34.4	0	4.80	46.38
HIMW-016I	4/17/2008	67.50	ND	21.14	77.01	82.7	0	5.65	46.36

Table 2
Groundwater and NAPL Measurements
Second Quarter 2008
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 amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-017S	4/16/2008	65.96	ND	19.81	34.1	36.7	0	2.60	46.15
HIMW-018S	4/16/2008	69.76	ND	22.99	42.6	42.9	0	0.30	46.77
HIMW-018I	4/16/2008	69.70	ND	22.89	ND	72.1	0	0	46.81
HIMW-019S	4/16/2008	70.95	ND	23.82	Sh	39.8	0	0.01	47.13
HIMW-019I	4/16/2008	71.27	ND	23.99	ND	69.9	0	0	47.28
PZ-02	4/16/2008	72.96	ND	25.28	ND	35.3	0	0	47.68
PZ-03	4/16/2008	64.58	ND	17.22	ND	29.5	0	0	47.36
PZ-08	4/16/2008	70.51	ND	23.52	33.85	36.0	0	2.15	46.99
IPR-01	4/16/2008	NM	ND	23.19	ND	41.7	0	0	NM
IPR-02	4/16/2008	NM	ND	21.82	ND	74.6	0	0	NM
IPR-03	4/16/2008	NM	ND	22.21	ND	44.8	0	0	NM
IPR-04	4/16/2008	NM	ND	22.29	ND	89.1	0	0	NM
IPR-05	4/16/2008	NM	ND	23.49	ND	52.3	0	0	NM
IPR-06	4/16/2008	NM	ND	23.93	ND	60.6	0	0	NM
IPR-07	4/17/2008	NM	ND	23.03	ND	36.2	0	0	NM
IPR-08	4/17/2008	NM	ND	23.80	ND	40.1	0	0	NM
IPR-14	4/16/2008	NM	ND	20.39	ND	46.2	0	0	NM
IPR-15	4/16/2008	NM	ND	21.33	44.89	45.0	0	0.12	NM
IPR-16	4/16/2008	NM	ND	21.88	ND	50.0	0	0	NM
IPR-17	4/16/2008	NM	ND	22.89	ND	55.1	0	0	NM
IPR-18	4/16/2008	NM	ND	20.47	ND	50.2	0	0	NM
IPR-19S	4/17/2008	NM	ND	21.24	ND	44.8	0	0	NM
IPR-19D	4/16/2008	NM	ND	21.26	ND	89.9	0	0	NM
IPR-20	4/16/2008	NM	ND	20.36	ND	47.0	0	0	NM
IPR-21	4/16/2008	NM	ND	21.23	ND	44.9	0	0	NM
IPR-22	4/16/2008	NM	ND	20.11	46.8	47.2	0	0.40	NM
IPR-23	4/16/2008	NM	ND	20.41	ND	45.3	0	0	NM
IPR-24	4/16/2008	NM	ND	19.75	ND	45.3	0	0	NM
OSMW-01	4/17/2008	NM	ND	24.00	ND	42.0	0	0	NM
OSMW-02	4/17/2008	NM	ND	24.79	ND	45.5	0	0	NM
OSMW-03	4/17/2008	NM	ND	24.66	ND	44.8	0	0	NM

Notes:

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

Sh Sheen (assumed thickness of 0.01 ft)

LNAPL Light Non-Aqueous Phase Liquid

DNAPL Dense Non-Aqueous Phase Liquid

TOR Top Of Riser

amsl above mean sea level

ND Not Detected

NM Not Measured

Table 2
Groundwater and NAPL Measurements
First Quarter 2008
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 amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	1/22/2008	71.61	ND	25.87	40.89	41.00	0	0.11	45.74
HIMW-001I	1/22/2008	71.68	ND	26.51	88.68	89.50	0	0.82	45.17
HIMW-001D	1/22/2008	71.95	ND	26.38	ND	127.10	0	0	45.57
HIMW-002S	1/22/2008	73.82	ND	27.91	ND	42.20	0	0	45.91
HIMW-002I	1/22/2008	78.87	ND	28.01	ND	91.60	0	0	50.86
HIMW-002D	1/22/2008	74.13	ND	28.21	ND	111.30	0	0	45.92
HIMW-003S	1/22/2008	65.00	ND	19.42	ND	34.80	0	0	45.58
HIMW-003I	1/22/2008	64.94	ND	19.43	ND	87.10	0	0	45.51
HIMW-003D	1/22/2008	65.26	ND	20.21	ND	144.50	0	0	45.05
HIMW-004S	1/22/2008	72.74	ND	27.79	ND	41.40	0	0	44.95
HIMW-004I	1/22/2008	72.78	ND	27.85	ND	90.73	0	0	44.93
HIMW-004D	1/22/2008	72.65	ND	28.23	ND	180.20	0	0	44.42
HIMW-005S	1/22/2008	67.19	ND	22.10	ND	39.10	0	0	45.09
HIMW-005I	1/22/2008	67.22	ND	21.84	ND	92.30	0	0	45.38
HIMW-005D	1/22/2008	67.22	ND	22.68	ND	140.00	0	0	44.54
HIMW-006S	1/22/2008	68.25	ND	22.81	34.07	36.10	0	2.03	45.44
HIMW-006I	1/22/2008	67.88	ND	22.61	ND	82.20	0	0	45.27
HIMW-006D	1/22/2008	67.77	ND	22.46	ND	118.58	0	0	45.31
HIMW-007S	1/22/2008	70.47	ND	25.07	36.35	40.75	0	4.40	45.40
HIMW-007I	1/22/2008	70.10	ND	25.07	ND	91.00	0	0	45.03
HIMW-007D	1/22/2008	70.40	ND	25.02	ND	119.50	0	0	45.38
HIMW-008S	1/22/2008	65.04	ND	20.38	ND	37.20	0	0	44.66
HIMW-008I	1/22/2008	65.14	ND	20.53	ND	75.10	0	0	44.61
HIMW-008D	1/22/2008	64.93	ND	20.33	ND	114.75	0	0	44.60
HIMW-009S	1/23/2008	70.03	ND	24.87	ND	39.70	0	0	45.16
HIMW-009I	1/23/2008	69.93	ND	24.82	ND	80.50	0	0	45.11
HIMW-009D	1/23/2008	69.96	ND	24.92	ND	123.10	0	0	45.04
HIMW-010S	1/22/2008	71.60	ND	26.13	39.37	39.90	0	0.53	45.47
HIMW-010I	1/22/2008	71.47	ND	25.98	ND	90.60	0	0	45.49
HIMW-010D	1/22/2008	71.44	ND	25.91	ND	134.20	0	0	45.53
HIMW-011S	1/22/2008	71.62	ND	25.91	37.20	40.25	0	3.05	45.71
HIMW-011I	1/22/2008	71.43	ND	25.76	ND	93.40	0	0	45.67
HIMW-011D	1/22/2008	71.39	ND	25.77	ND	123.45	0	0	45.62
HIMW-012S	1/22/2008	61.58	ND	18.02	ND	33.50	0	0	43.56
HIMW-012I	1/22/2008	61.59	ND	17.88	ND	75.00	0	0	43.71
HIMW-012D	1/22/2008	61.82	ND	19.71	ND	128.45	0	0	42.11
HIMW-013S	1/22/2008	72.83	ND	31.17	ND	49.20	0	0	41.66
HIMW-013I	1/22/2008	72.60	ND	30.93	ND	82.60	0	0	41.67
HIMW-013D	1/22/2008	72.53	ND	30.93	ND	122.50	0	0	41.60
HIMW-014I	1/22/2008	71.71	ND	30.07	ND	96.90	0	0	41.64
HIMW-014D	1/22/2008	71.59	ND	31.87	ND	122.50	0	0	39.72
HIMW-015I	1/22/2008	64.18	ND	25.21	ND	93.10	0	0	38.97
HIMW-015D	1/22/2008	63.96	ND	26.55	ND	155.00	0	0	37.41
HIMW-016S	1/23/2008	67.45	ND	22.17	31.76	34.41	0	2.65	45.28
HIMW-016I	1/23/2008	67.50	ND	20.28	78.85	82.66	0	3.81	47.22

Table 2
Groundwater and NAPL Measurements
First Quarter 2008
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 amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-017S	1/23/2008	65.96	ND	20.97	35.42	35.48	0	0.06	44.99
HIMW-018S	1/22/2008	69.76	ND	24.21	42.32	42.80	0	0.48	45.55
HIMW-018I	1/22/2008	69.70	ND	24.10	ND	71.80	0	0	45.60
HIMW-019S	1/22/2008	70.95	ND	25.06	ND	38.65	0	0	45.89
HIMW-019I	1/22/2008	71.27	ND	25.26	ND	69.10	0	0	46.01
PZ-02	1/22/2008	72.96	ND	26.66	ND	35.60	0	0	46.30
PZ-03	1/22/2008	64.58	ND	18.54	ND	29.90	0	0	46.04
PZ-08	1/22/2008	70.51	ND	24.81	34.42	36.00	0	1.58	45.70

Notes:

(1) Potentiometric heads in wells containing LNAPL are corrected using a specific gravity = 0.96
Sh Sheen (assumed thickness of 0.01 ft)
LNAPL Light Non-Aqueous Phase Liquid
DNAPL Dense Non-Aqueous Phase Liquid
TOR Top Of Riser
amsl above mean sea level
ND Not Detected
NM Not Measured

Table 3
NAPL Recovery
Fourth Quarter of 2008
Hempstead Intersection Street Former MGP Site

Well ID	December 23, 2008			December 9-10, 2008			November 24, 2008			November 11-12, 2008			October 27, 2008			October 15, 2008		
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)
	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]
HIMW-001S	NI	NI	0	0	trace	0	NI	NI	0	0	0.05	0.01	NI	NI	0	0	0.12	0.02
HIMW-001I	0	0.80	0.13	0	0.67	0.11	0	0.70	0.11	0	0.45	0.07	0	0.4	0.07	0	0.50	0.08
HIMW-006S	0	4.20	0.69	0	1.70	0.28	0	2.60	0.42	0	0.95	0.16	0	1.25	0.20	0	1.08	0.18
HIMW-006I	NI	NI	0	0	0.01	0.00	NI	NI	0	0	0.25	0.04	NI	NI	0	0	0.33	0.05
HIMW-007S	0	1.30	0.21	0	4.50	0.73	0	1.80	0.29	0	4.48	0.73	0	4.75	0.78	0	5.25	0.86
HIMW-007I	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0
HIMW-007D	NI	NI	0	0	0	0	NI	NI	0	NA	NA	0	NI	NI	0	0	0	0
HIMW-010S	NI	NI	0	NI	NI	0	NI	NI	0	NI	NI	0	NI	NI	0	NI	NI	0.00
HIMW-011S	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0
HIMW-011I	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0
HIMW-016S	0	6.10	1.00	0	6.42	1.05	0	4.80	0.78	0	2.60	0.42	0	2.85	0.47	0	3.10	0.51
HIMW-016I	0	6.50	1.06	0	5.55	0.91	0	4.30	0.70	0	4.85	0.79	0	3.55	0.58	0	4.10	0.67
HIMW-017S	0	2.45	0.40	0	2.35	0.38	0	1.95	0.32	0	1.3	0.21	0	1.33	0.22	0	1.00	0.16
HIMW-018S	NI	NI	0	0	0.61	0.10	NI	NI	0	0	0	0	NI	NI	0	0	0	0
HIMW-018I	NI	NI	0	0	0	0	NI	NI	0	NA	NA	0	NI	NI	0	0	0	0
HIMW-019S	NI	NI	0	0	0	0	NI	NI	0	0	trace	0.00	NI	NI	0	0	trace	0.00
HIMW-019I	NI	NI	0	0	0	0	NI	NI	0	0	0	0	NI	NI	0	0	0	0
PZ-08	NI	NI	0	0	2.95	0.48	0	1.70	0.28	0	0.45	0.07	0	0.70	0.11	0	0.65	0.11
IPR-02	NI	NI	0	0	trace	0.00	NI	NI	0	0	0	0	NI	NI	0	0	0	0
IPR-06	NI	NI	0	0	0.87	1.28	NI	NI	0	0	0.05	0.07	0	0.2	0.29	0	0.10	0.15
IPR-12A	NI	NI	0	0	0.34	0.01	NI	NI	0	0	0	0	NI	NI	0	0	0	0
IPR-15	NI	NI	0	0	trace	0	NI	NI	0	0	trace	0	NI	NI	0	0	trace	0.00
IPR-17	NI	NI	0	0	0.40	0.54	NI	NI	0	0	trace	0	NI	NI	0	0	trace	0.00
IPR-20	NI	NI	0	0	0.05	0.07	NI	NI	0	0	0.05	0.07	NI	NI	0	0	0.15	0.22
IPR-21	NI	NI	0	0	0.20	0.29	NI	NI	0	0	0.35	0.51	NI	NI	0	0	0.30	0.44
IPR-22	NI	NI	0	0	1.25	1.84	0	1.80	2.64	0	0.32	0.47	NI	NI	0	0	0.45	0.66
IPR-24	NI	NI	0	0	trace	0	NI	NI	0	0	0.02	0.03	NI	NI	0	0	0.05	0.07
IPR-25	0	0.50	0.73	0	0.42	0.62	0	1.10	1.62	0	0.65	0.95	0	0.9	1.32	0	0.80	1.18
	Volume Removed		**4.22**	Volume Removed		**8.69**	Volume Removed		**7.17**	Volume Removed		**4.63**	Volume Removed		**4.04**	Volume Removed		**5.35**

Total volume recovered during the fourth quarter 2008: 34.10 gal
Total volume of NAPL recovered since April 2007: 209.9 gal

Notes:

NI - well not included in the product recovery program during this round
NA - No Access
LNAPL - light non-aqueous phase liquid
DNAPL - dense non-aqueous phase liquid
(1) - Volume of product recovered estimated by multiplying the cross sectional area of well screen by the thickness of product layer measured prior to pumping.

All HIMW and PZ monitoring wells are 2-inch diameter: Vol = 0.163 gal / lft of well screen.
All IPR monitoring wells (unless noted) are 6-inch diameter: Vol = 1.469 gal / lft of well screen.
Monitoring well IPR-17 is 5.75-inch diameter: Vol = 1.349 gal / lft of well screen.
Monitoring well IPR-12A is 1-inch diameter: Vol = 0.041 gal / lft of well screen.

Table 3
NAPL Recovery
Third Quarter of 2008
Hempstead Intersection Street Former MGP Site

Well ID	September 11, 2008			August 28, 2008			August 15, 2008			July 31, 2008			July 18, 2008		
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)
	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]
HIMW-001S	0	0	0	0	0	0	0	0.05	0.01	0	trace	0	0	trace	0
HIMW-001I	0	0.79	0.13	0	0.5	0.08	0	0.65	0.11	0	0.65	0.11	0	1.5	0.24
HIMW-006S	0	4.30	0.70	0	2.20	0.36	0	2.90	0.47	0	0.66	0.11	0	5.0	0.82
HIMW-006I	0	0	0	0	0	0	0	trace	0	0	0	0	0	trace	0
HIMW-007S	0	1.10	0.18	0	0	0	0	1.55	0.25	0	1.33	0.22	0	1.3	0.20
HIMW-007I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-007D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-010S	NI	NI	0	NI	NI	0	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-011S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-011I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-016S	0	4.65	0.76	0	4.15	0.68	0	3.6	0.59	0	4.94	0.81	0	4.4	0.72
HIMW-016I	0	5.14	0.84	0	5.3	0.87	0	4.68	0.76	0	4.65	0.76	0	5.6	0.91
HIMW-017S	0	0.75	0.12	0	0.2	0.03	0	1.4	0.23	0	0.7	0.11	0	0	0
HIMW-018S	0	0	0	0	0.2	0.03	0	0.1	0.02	0	trace	0	0	trace	0
HIMW-018I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-019S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-019I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PZ-08	0	1.80	0.29	0	0	0	0	1.4	0.23	0	3.25	0.53	0	0.7	0.11
IPR-06	0	0.35	0.51	0	0	0	0	0.3	0.44	0	0.35	0.51	0	0.25	0.37
IPR-15	0	0	0	0	0	0	0	0	0	0	trace	0	0	0	0
IPR-22	0	0	0	0	0	0	0	0.5	0.73	0	trace	0	0	0.82	1.20
IPR-25	0	0	0	0	0	0	0	0.15	0.22	0	0.4	0.59	0	1.25	1.84
	Volume Removed		**3.54**	Volume Removed		**2.05**	Volume Removed		**4.06**	Volume Removed		**3.74**	Volume Removed		**6.42**

Total volume recovered during the third Quarter 2008: 19.81 gal
Total volume of NAPL recovered since April 2007: 175.8 gal

Notes:

NI - well not included in the product recovery program during this round
NA - No Access
LNAPL - light non-aqueous phase liquid
DNAPL - dense non-aqueous phase liquid
(1) - Volume of product recovered estimated by multiplying the cross sectional area of well screen by the thickness of product layer measured prior to pumping.
All HIMW and PZ monitoring wells are 2-inch diameter: Vol = 0.163 gal / lft of well screen.
All IPR monitoring wells (unless noted) are 6-inch diameter: Vol = 1.469 gal / lft of well screen.

Table 3
NAPL Recovery
Second Quarter of 2008
Hempstead Intersection Street Former MGP Site

Well ID	June 27, 2008			June 13, 2008			May 28, 2008			May 15, 2008		
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)
	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]
HIMW-001S	0	0	0	0	0	0	0	0	0	0	Trace	0
HIMW-001I	0	0.33	0.05	0	0.50	0.08	0	0.40	0.07	0	0.90	0.15
HIMW-006S	0	2.00	0.33	0	1.85	0.30	0	2.70	0.44	0	1.80	0.29
HIMW-006I	0	Trace	0	0	Trace	0	0	Trace	0	0	0	0
HIMW-007S	0	1.00	0.16	0	1.00	0.16	0	0.90	0.15	0	0.60	0.10
HIMW-007I	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-007D	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-010S	NI	NI	0	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-011S	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-011I	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-016S	0	1.10	0.18	0	0.60	0.10	0	4.50	0.73	0	1.87	0.31
HIMW-016I	0	0	0	0	0	0	0	4.40	0.72	0	4.48	0.73
HIMW-017S	0	0	0	0	0	0	0	0.60	0.10	0	0.40	0.07
HIMW-018S	0	Trace	0	0	Trace	0	0	0.20	0.03	0	1.20	0.20
HIMW-018I	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-019S	0	0	0	0	0	0	0	0	0	0	Trace	0
HIMW-019I	0	0	0	0	0	0	0	0	0	0	0	0
PZ-08	0	1.50	0.24	0	1.80	0.29	0	1.80	0.29	0	1.20	0.20
IPR-06	0	0.20	0.29	NI	NI	0	NI	NI	0	NI	NI	0
IPR-15	0	Trace	0	NI	NI	0	NI	NI	0	NI	NI	0
IPR-22	0	0.38	0.56	0	0.75	1.10	NI	NI	0	NI	NI	0
IPR-25	0	0.75	1.10	NI	NI	0	NI	NI	0	NI	NI	0
	Volume Removed		**2.92**	Volume Removed		**2.04**	Volume Removed		**2.53**	Volume Removed		**2.03**

Total volume recovered during the second quarter 2008: **16.10 gal**
Total volume of NAPL recovered since April 2007: **156.0 gal**

Table 3
NAPL Recovery
Second Quarter of 2008
Hempstead Intersection Street Former MGP Site

Well ID	May 1, 2008			April 16-17, 2008			April 3, 2008		
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)
	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]
HIMW-001S	0	0	0	0	Trace	0	0	0	0
HIMW-001I	0	0.80	0.13	0	1.00	0.16	0	1.00	0.16
HIMW-006S	0	1.85	0.30	0	1.80	0.29	0	2.20	0.36
HIMW-006I	0	0	0	0	Trace	0	0	0	0
HIMW-007S	0	0.70	0.11	0	0.95	0.16	0	1.0	0.16
HIMW-007I	0	0	0	0	0	0	0	0	0
HIMW-007D	0	0	0	0	0	0	0	0	0
HIMW-010S	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-011S	0	0	0	0	0	0	0	0	0
HIMW-011I	0	0	0	0	0	0	0	Trace	0
HIMW-016S	0	4.00	0.65	0	4.80	0.78	0	0	0
HIMW-016I	0	4.20	0.69	0	5.65	0.92	0	4.00	GF
HIMW-017S	0	0.90	0.15	0	2.6	0.42	0	0	0
HIMW-018S	0	0.38	0.06	0	0.3	0.05	0	Trace	0
HIMW-018I	0	0	0	0	0	0	0	0	0
HIMW-019S	0	0	0	0	0	0	0	Trace	0
HIMW-019I	0	0	0	0	0	0	0	0	0
PZ-08	0	2.20	0.36	0	2.15	0.35	0	1.80	0.29
IPR-06	NI	NI	0	NI	NI	0	NI	NI	0
IPR-15	NI	NI	0	NI	NI	0	NI	NI	0
IPR-22	NI	NI	0	NI	NI	0	NI	NI	0
IPR-25	NI	NI	0	NI	NI	0	NI	NI	0
	Volume Removed		**2.45**	Volume Removed		**3.14**	Volume Removed		**0.98**

Notes:

NI - well not included in the product recovery program during this round

NA - No Access

LNAPL - light non-aqueous phase liquid

DNAPL - dense non-aqueous phase liquid

(1) - Volume of product recovered estimated by multiplying the cross sectional area of well screen by the thickness of product layer measured prior to pumping.

All HIMW and PZ monitoring wells are 2-inch diameter: Vol = 0.163 gal / lft of well screen.

All IPR monitoring wells (unless noted) are 6-inch diameter: Vol = 1.469 gal / lft of well screen.

Table 3
NAPL Recovery
First Quarter of 2008
Hempstead Intersection Street Former MGP Site

Well ID	March 14, 2008			February 27, 2008			February 12, 2008			January 10, 2008		
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)
	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]	[ft]	[ft]	[gal]
HIMW-001S	0	0	0	0	Trace	0	0	Trace	0	0	0	0
HIMW-001I	0	0.70	0.11	0	1.10	0.18	0	1.10	0.18	0	1.33	0.22
HIMW-006S	0	2.65	0.43	0	1.90	0.31	0	2.10	0.34	0	0.30	0.05
HIMW-006I	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-007S	0	0.75	0.12	0	0.75	0.12	0	1.70	0.28	0	0.90	0.15
HIMW-007I	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-007D	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-010S	NI	NI	0	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-011S	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-011I	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-016S	0	4.34	0.71	0	4.90	0.80	0	5.40	0.88	0	4.80	0.78
HIMW-016I	0	3.60	0.59	0	4.60	0.75	0	4.70	0.77	0	4.50	0.73
HIMW-017S	0	2.40	0.39	0	2.10	0.34	0	1.50	0.24	0	1.40	0.23
HIMW-018S	0	Trace	0	0	Trace	0	0	0.45	0.07	0	0	0
HIMW-018I	0	0	0	0	0	0	0	0	0	0	0	0
HIMW-019S	0	0	0	0	0	0	0	Trace	0	0	0	0
HIMW-019I	0	0	0	0	0	0	0	0	0	0	0	0
PZ-08	0	1.50	0.24	0	1.60	0.26	0	1.90	0.31	0	1.00	0.16
	Volume Removed		**2.60**	Volume Removed		**2.77**	Volume Removed		**3.08**	Volume Removed		**2.32**

Total volume recovered during the first quarter 2008: 10.77 gal
Total volume of NAPL recovered since April 2007: 145.2 gal

Notes:

NI - well not included in the product recovery program during this round
NA - No Access
LNAPL - light non-aqueous phase liquid
DNAPL - dense non-aqueous phase liquid
** - pump became lodged in the well
(1) - Volume of product recovered estimated by multiplying the cross sectional area of well screen by the thickness of product layer measured prior to pumping. All monitoring wells are 2-inch diameter: Vol = 0.163 gal / lft of well screen.

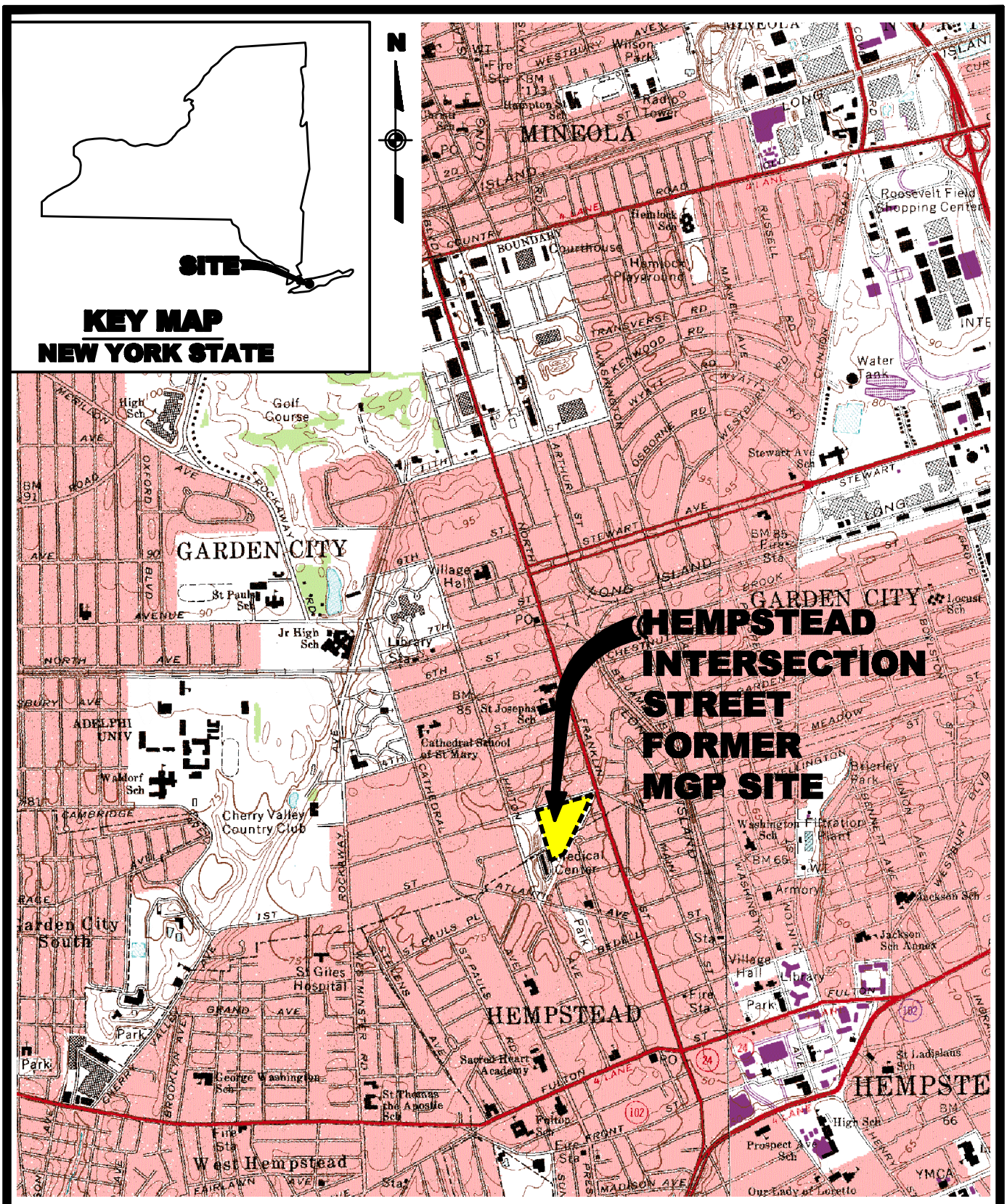
Table 4
Dissolved-Phase Concentrations of Total BTEX and Total PAH Compounds
Data Collected in 2008
Hempstead Intersection Street Former MGP Site

Well ID	Fourth Quarter (October 16-28, 2008)		Third Quarter (July 1-9, 2008)		Second Quarter (April 7-15, 2008)		First Quarter (January 23-31, 2008)	
	BTEX [ug/L]	PAH [ug/L]	BTEX [ug/L]	PAH [ug/L]	BTEX [ug/L]	PAH [ug/L]	BTEX [ug/L]	PAH [ug/L]
HIMW-001D								
HIMW-001I								
HIMW-001S								
HIMW-002D								
HIMW-002I								
HIMW-002S								
HIMW-003D	ND	ND	ND	ND	ND	ND	ND	30
HIMW-003I	ND	ND	ND	ND	ND	ND	9.9	ND
HIMW-003S	ND	ND	ND	ND	ND	ND	ND	ND
HIMW-004D								
HIMW-004I								
HIMW-004S								
HIMW-005D	ND	ND	12	34	ND	ND	1.2	ND
HIMW-005I	174	1,479	258	3,217	209	3,336	210.3	5,337
HIMW-005S	ND	ND	ND	ND	ND	ND	ND	ND
HIMW-006D								
HIMW-006I								
HIMW-006S								
HIMW-007D								
HIMW-007I								
HIMW-007S								
HIMW-008D	ND	ND	ND	ND	ND	37	ND	ND
HIMW-008I	ND	ND	ND	ND	ND	ND	ND	251
HIMW-008S	ND	1	ND	5	3	10	ND	5
HIMW-009D								
HIMW-009I								
HIMW-009S								
HIMW-010D								
HIMW-010I								
HIMW-010S								
HIMW-011D								
HIMW-011I								
HIMW-011S								
HIMW-012D	ND	ND	ND	ND	ND	ND	ND	ND
HIMW-012I	57	118	67	158	47	161	49.9	149
HIMW-012S	ND	ND	ND	ND	ND	ND	ND	ND
HIMW-013D	5	ND	9	21	8	21	8.5	17
HIMW-013I	38	73	26	78	28	77	41.4	120
HIMW-013S	ND	ND	ND	ND	ND	ND	ND	ND
HIMW-014D	ND	ND	ND	ND	ND	ND	ND	ND
HIMW-014I	74	42	162	75	102	74	90	76
HIMW-015D	ND	ND	ND	ND	ND	ND	ND	ND
HIMW-015I	8	7	8	ND	5	8	5.9	273
HIMW-016I								
HIMW-018I								
HIMW-019I								
HIMW-020I [(1)]	224	167						
HIMW-020S [(1)]	ND	ND						
PZ-02								
PZ-03								
PZ-08								

Notes:

	A blank field is "Not Sampled".
	NAPL is periodically identified in this well.
ND	Not Detected.
ug/L	micrograms per liter
(1)	Sampled 2/4/09

FIGURES



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

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

URS Corporation

LOCATION MAP

FIGURE 1

J:\11175065.00000\CAD\DRAFT\TASK2\HEMPSTEAD\GROUNDWATER MONITORING\FIGURE-1.dwg 3/13/09 - 1 RAL

URS Corporation	**NATIONAL GRID** **HEMPSTEAD INTERSECTION STREET** **FORMER MGP SITE** **HEMPSTEAD/GARDEN CITY, NY**	**SITE MAP**	**FIGURE 2**

J:\11175085.00000\CAD\DRAFT\TASK2\HEMPSTEAD\GROUNDWATER MONITORING\SITE PLAN-OVERALL.dwg, PAPER, 1:2, 2/20/09 -Z-RAL

Legend

- Monitoring Well
- Groundwater Flow Direction
- 43 — Potentiometric Surface Contour
- Former MGP Site Boundary

Location ID — HIMW-002S, 47.13 — Groundwater Elevation (FT. AMSL)

NM = NOT MEASURED DURING THIS SAMPLING EVENT

FT. AMSL = FEET ABOVE MEAN SEA LEVEL

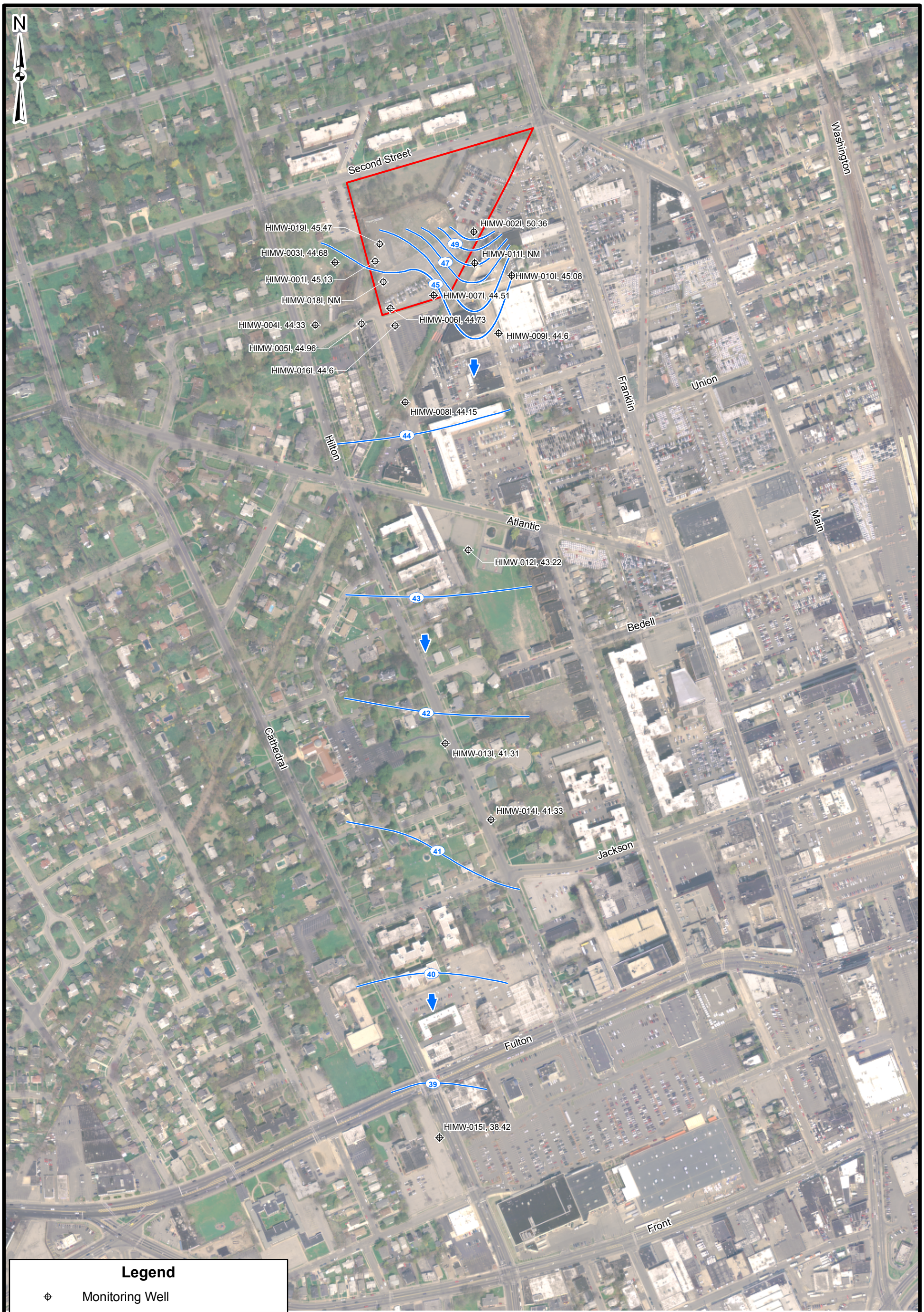
400 0 400 Feet

URS

GARDEN CITY/HEMPSTEAD, NY
POTENTIOMETRIC SURFACE MAP FOR SHALLOW GROUNDWATER
OCTOBER 15-24, 2008

FIGURE 3

J:\11175065.00000\DB\GIS\ARCMAP\1008 SHALLOW GW CONTOURS.mxd 2/20/2009 3:34:19 PM Lumb, M



Legend

- Monitoring Well
- Groundwater Flow Direction
- 43 — Potentiometric Surface Contour
- Former MGP Site Boundary

Location ID — HIMW-002I, 52.06 — Groundwater Elevation (FT. AMSL)

NM = NOT MEASURED DURING THIS SAMPLING EVENT

FT. AMSL = FEET ABOVE MEAN SEA LEVEL

400 0 400 Feet

URS

GARDEN CITY/HEMPSTEAD, NY
POTENTIOMETRIC SURFACE MAP FOR INTERMEDIATE GROUNDWATER
OCTOBER 15, 2008

FIGURE 4

J:\11175065.00000\DB\GIS\ARCMAP\1008 INTERMEDIATE GW CONTOURS.mxd 3/2/2009 1:49:34 PM Lumb, M

Legend

- Monitoring Well
- Groundwater Flow Direction
- 43 — Potentiometric Surface Contour
- Former MGP Site Boundary

Location ID — HIMW-002D, 47.13 — Groundwater Elevation (FT. AMSL)

NM = NOT MEASURED DURING THIS SAMPLING EVENT

FT. AMSL = FEET ABOVE MEAN SEA LEVEL

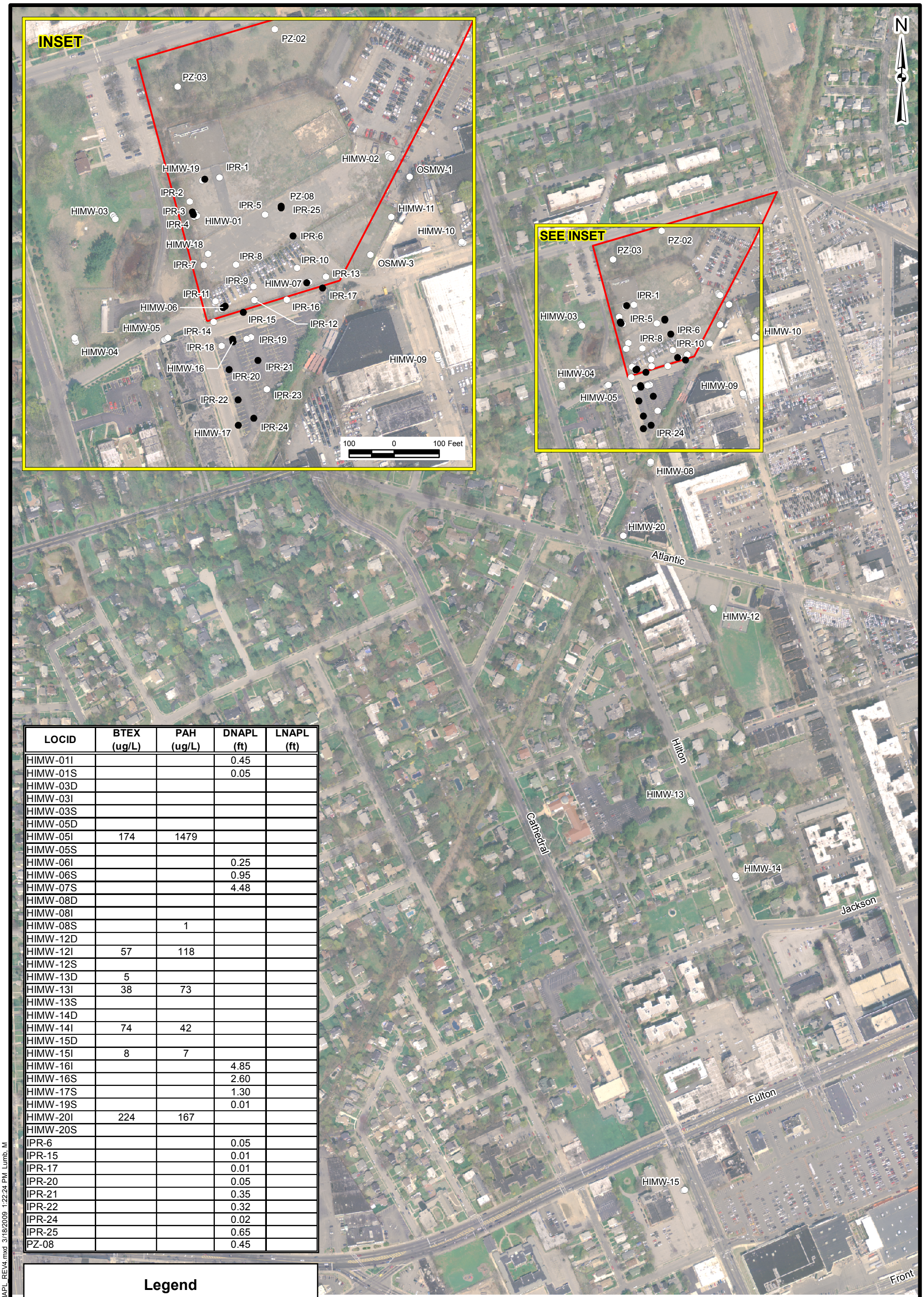
400 0 400 Feet

URS

GARDEN CITY/HEMPSTEAD, NY
POTENTIOMETRIC SURFACE MAP FOR DEEP GROUNDWATER
OCTOBER 15, 2008

FIGURE 5

J:\11175065.00000\DB\GIS\ARCMAP\1008 DEEP GW CONTOURS.mxd 3/2/2009 2:19:47 PM Lumb, M



LOCID	BTEX (ug/L)	PAH (ug/L)	DNAPL (ft)	LNAPL (ft)
HIMW-01I			0.45	
HIMW-01S			0.05	
HIMW-03D				
HIMW-03I				
HIMW-03S				
HIMW-05D				
HIMW-05I	174	1479		
HIMW-05S				
HIMW-06I			0.25	
HIMW-06S			0.95	
HIMW-07S			4.48	
HIMW-08D				
HIMW-08I				
HIMW-08S		1		
HIMW-12D				
HIMW-12I	57	118		
HIMW-12S				
HIMW-13D	5			
HIMW-13I	38	73		
HIMW-13S				
HIMW-14D				
HIMW-14I	74	42		
HIMW-15D				
HIMW-15I	8	7		
HIMW-16I			4.85	
HIMW-16S			2.60	
HIMW-17S			1.30	
HIMW-19S			0.01	
HIMW-20I	224	167		
HIMW-20S				
IPR-6			0.05	
IPR-15			0.01	
IPR-17			0.01	
IPR-20			0.05	
IPR-21			0.35	
IPR-22			0.32	
IPR-24			0.02	
IPR-25			0.65	
PZ-08			0.45	

Legend

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

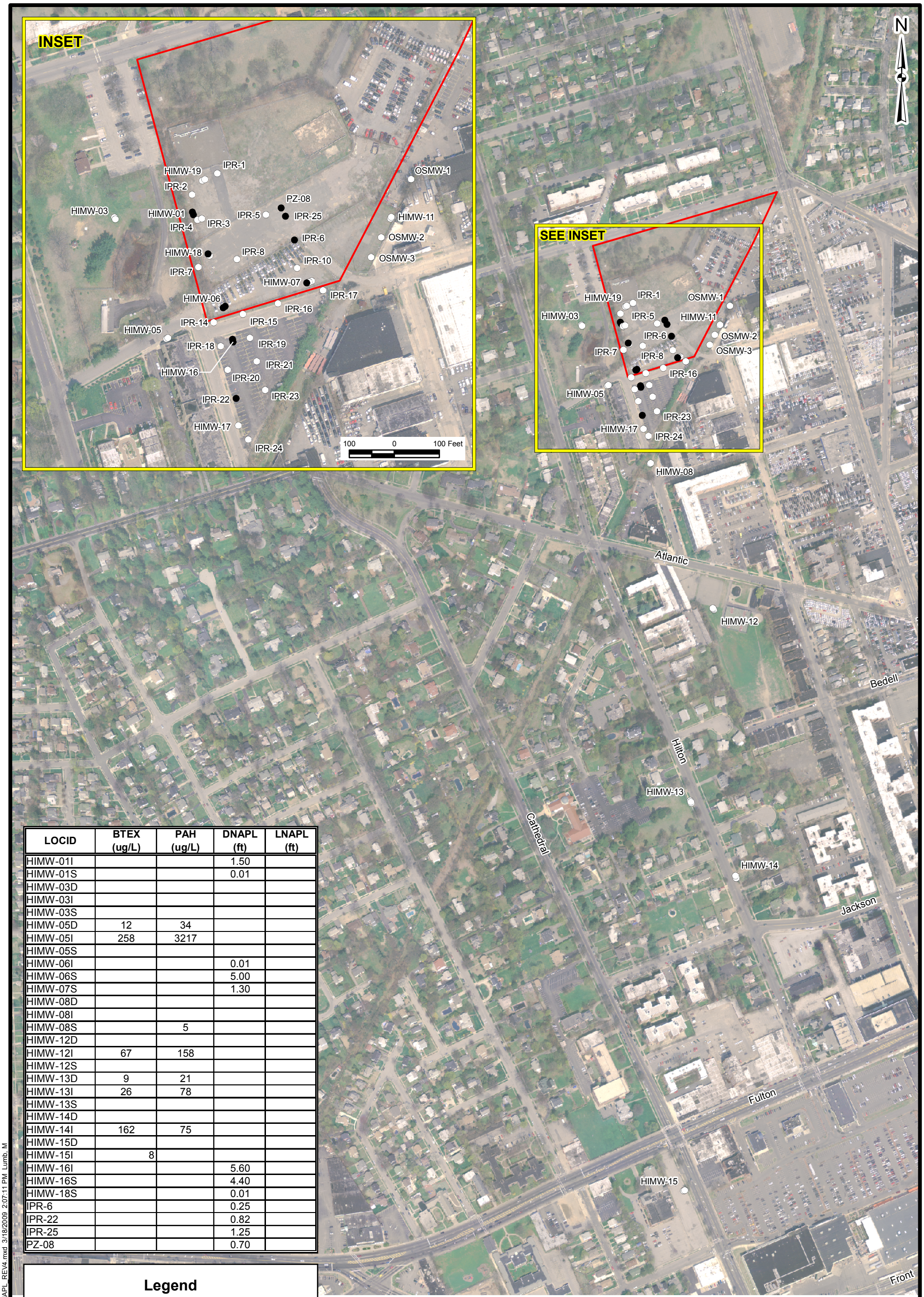
400 0 400 Feet

URS

HEMPSTEAD/GARDEN CITY, NY
TOTAL DISSOLVED-PHASE BTEX/PAH CONCENTRATIONS
AND FREE PRODUCT THICKNESS
FOURTH QUARTER 2008

FIGURE 6

J:\11175065.00000\DB\GIS\ARCMAP\1008 BTEXPAH-NAPL_REV4.mxd 3/18/2009 1:22:24 PM Lumb, M



LOCID	BTEX (ug/L)	PAH (ug/L)	DNAPL (ft)	LNAPL (ft)
HIMW-01I			1.50	
HIMW-01S			0.01	
HIMW-03D				
HIMW-03I				
HIMW-03S				
HIMW-05D	12	34		
HIMW-05I	258	3217		
HIMW-05S				
HIMW-06I			0.01	
HIMW-06S			5.00	
HIMW-07S			1.30	
HIMW-08D				
HIMW-08I				
HIMW-08S		5		
HIMW-12D				
HIMW-12I	67	158		
HIMW-12S				
HIMW-13D	9	21		
HIMW-13I	26	78		
HIMW-13S				
HIMW-14D				
HIMW-14I	162	75		
HIMW-15D				
HIMW-15I	8			
HIMW-16I			5.60	
HIMW-16S			4.40	
HIMW-18S			0.01	
IPR-6			0.25	
IPR-22			0.82	
IPR-25			1.25	
PZ-08			0.70	

Legend

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

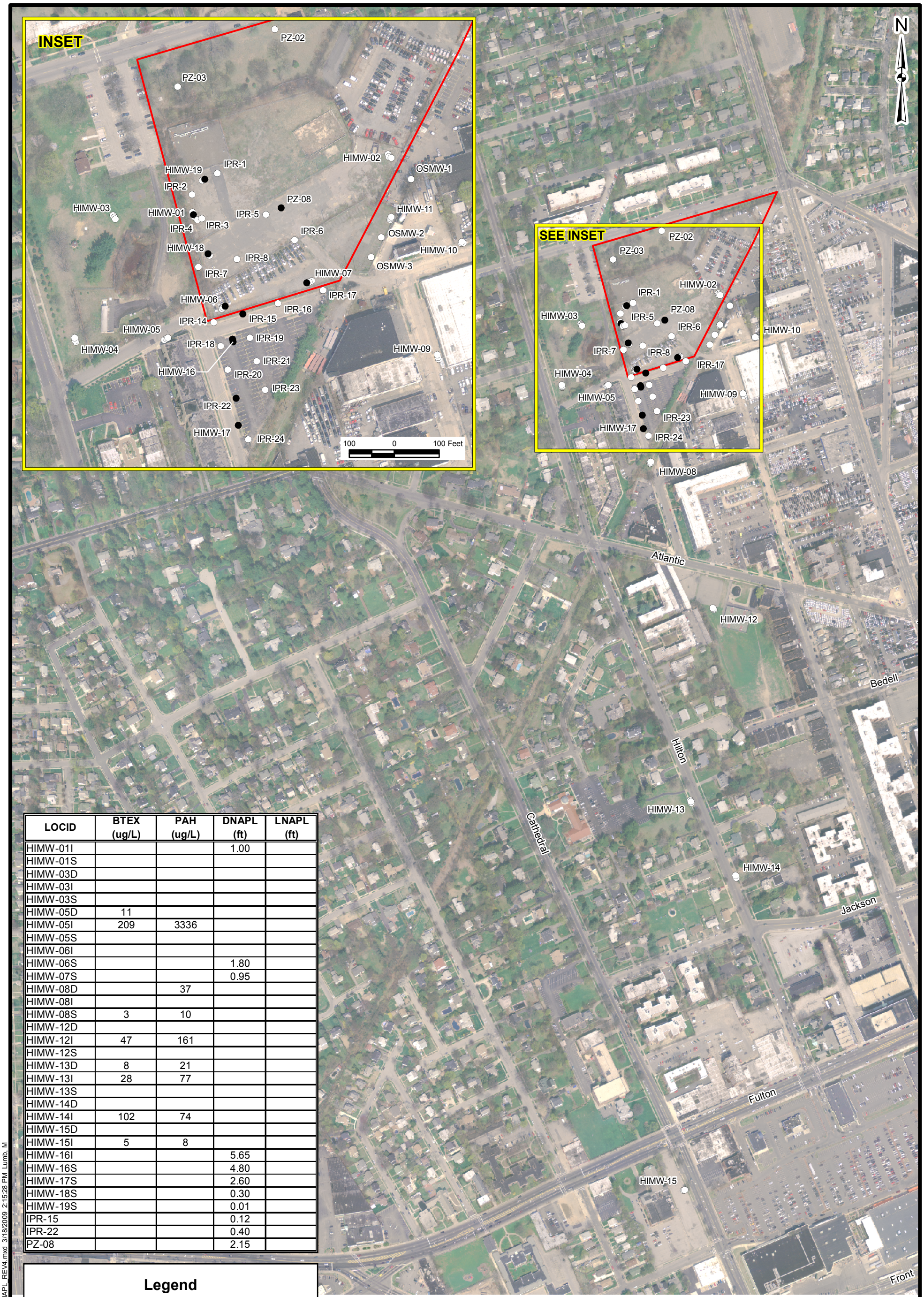
400 0 400 Feet

URS

HEMPSTEAD/GARDEN CITY, NY
TOTAL DISSOLVED-PHASE BTEX/PAH CONCENTRATIONS
AND FREE PRODUCT THICKNESS
THIRD QUARTER 2008

FIGURE 7

J:\11175065.00000\DB\GIS\ARCMAP\0708 BTEXPAH-NAPL_REV4.mxd 3/18/2009 2:07:11 PM Lumb, M



LOCID	BTEX (ug/L)	PAH (ug/L)	DNAPL (ft)	LNAPL (ft)
HIMW-01I			1.00	
HIMW-01S				
HIMW-03D				
HIMW-03I				
HIMW-03S				
HIMW-05D	11			
HIMW-05I	209	3336		
HIMW-05S				
HIMW-06I				
HIMW-06S			1.80	
HIMW-07S			0.95	
HIMW-08D		37		
HIMW-08I				
HIMW-08S	3	10		
HIMW-12D				
HIMW-12I	47	161		
HIMW-12S				
HIMW-13D	8	21		
HIMW-13I	28	77		
HIMW-13S				
HIMW-14D				
HIMW-14I	102	74		
HIMW-15D				
HIMW-15I	5	8		
HIMW-16I			5.65	
HIMW-16S			4.80	
HIMW-17S			2.60	
HIMW-18S			0.30	
HIMW-19S			0.01	
IPR-15			0.12	
IPR-22			0.40	
PZ-08			2.15	

Legend

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

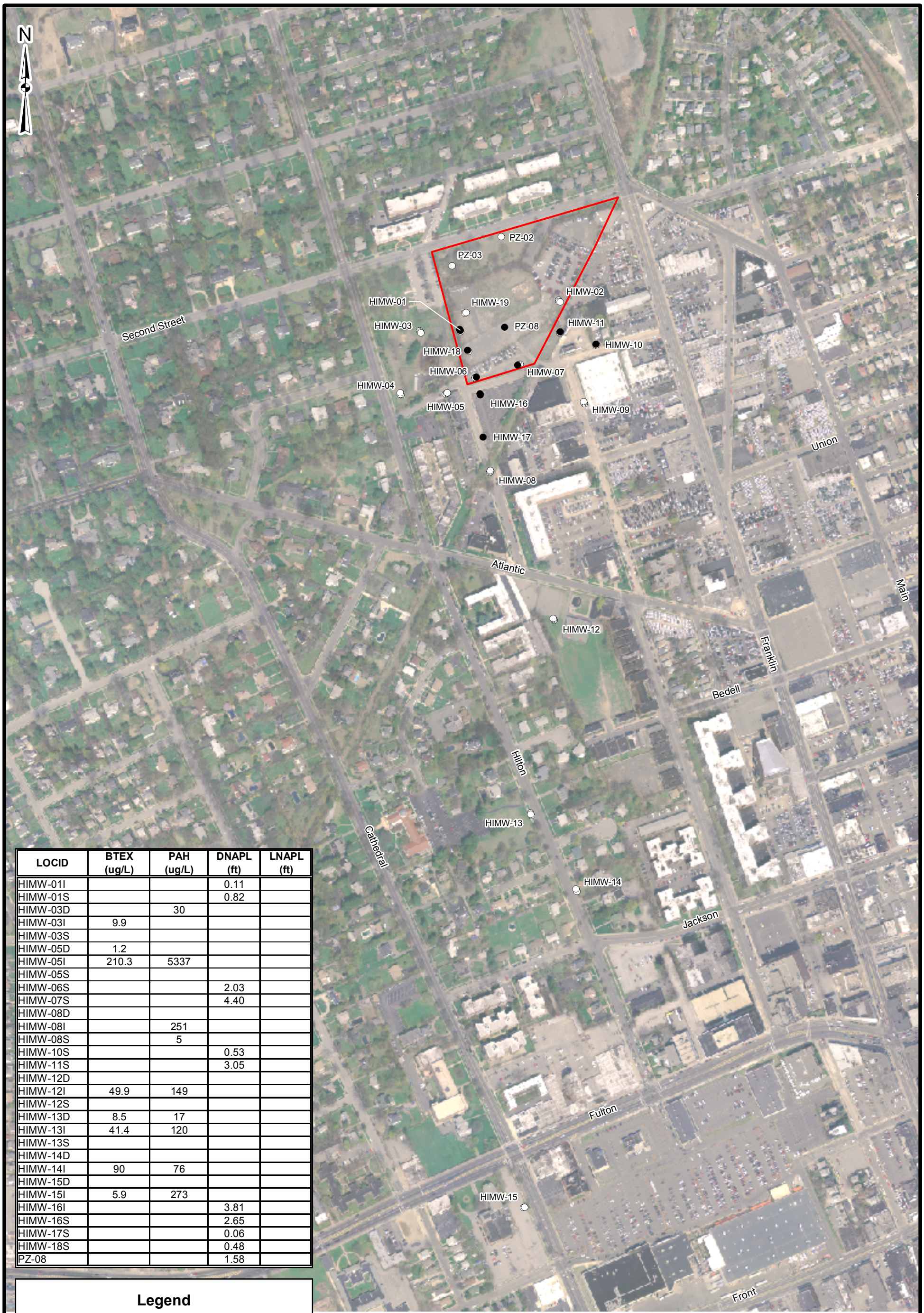
400 0 400 Feet

URS

HEMPSTEAD/GARDEN CITY, NY
TOTAL DISSOLVED-PHASE BTEX/PAH CONCENTRATIONS
AND FREE PRODUCT THICKNESS
SECOND QUARTER 2008

FIGURE 8

J:\11175065.00000\DB\GIS\ARCMAP\0408 BTEXPAH-NAPL_REV4.mxd 3/18/2009 2:15:28 PM Lumb, M



LOCID	BTEX (ug/L)	PAH (ug/L)	DNAPL (ft)	LNAPL (ft)
HIMW-01I			0.11	
HIMW-01S			0.82	
HIMW-03D		30		
HIMW-03I	9.9			
HIMW-03S				
HIMW-05D	1.2			
HIMW-05I	210.3	5337		
HIMW-05S				
HIMW-06S			2.03	
HIMW-07S			4.40	
HIMW-08D				
HIMW-08I		251		
HIMW-08S		5		
HIMW-10S			0.53	
HIMW-11S			3.05	
HIMW-12D				
HIMW-12I	49.9	149		
HIMW-12S				
HIMW-13D	8.5	17		
HIMW-13I	41.4	120		
HIMW-13S				
HIMW-14D				
HIMW-14I	90	76		
HIMW-15D				
HIMW-15I	5.9	273		
HIMW-16I			3.81	
HIMW-16S			2.65	
HIMW-17S			0.06	
HIMW-18S			0.48	
PZ-08			1.58	

Legend

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

400 0 400
Feet

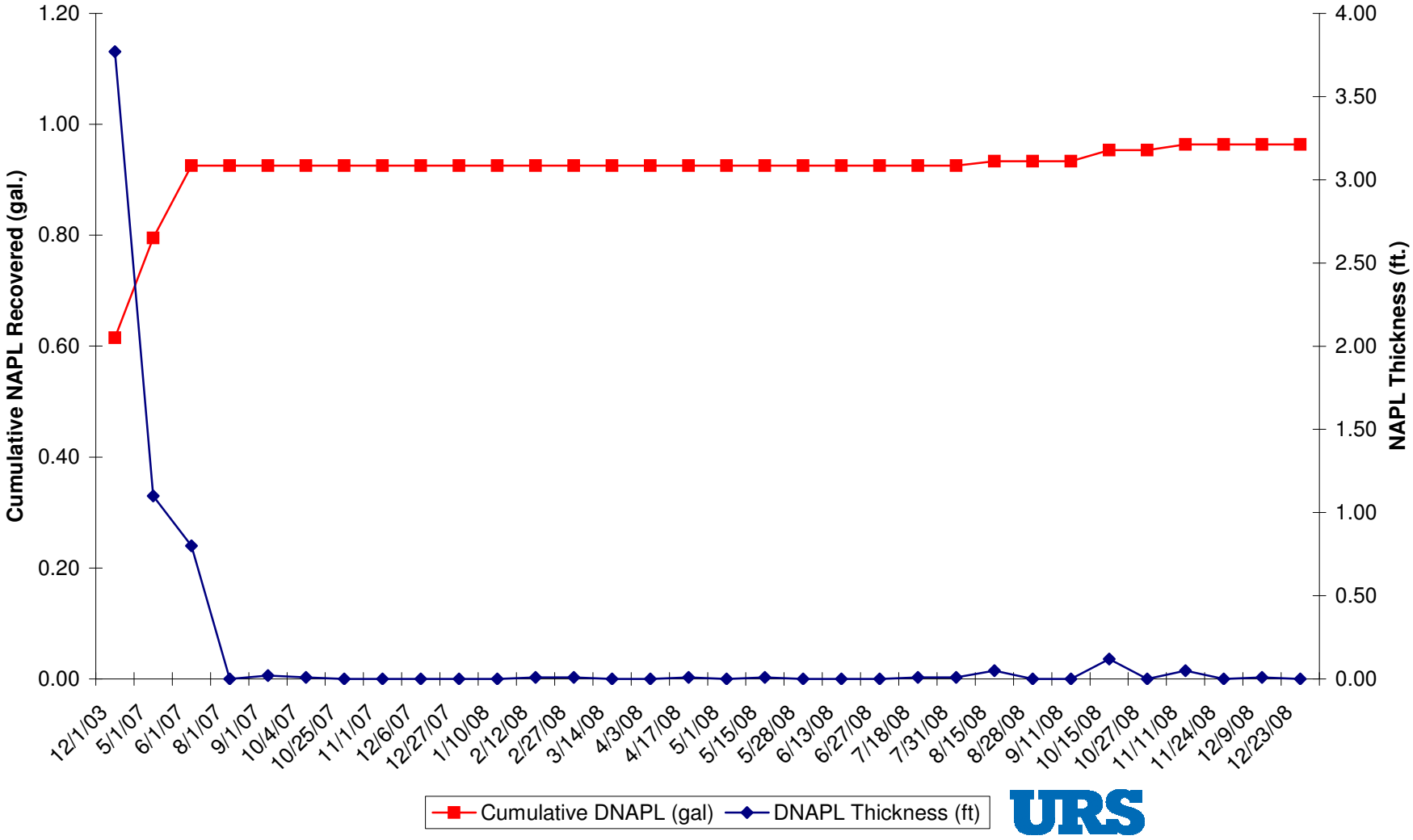
URS

HEMPSTEAD/GARDEN CITY, NY
TOTAL DISSOLVED-PHASE BTEX/PAH CONCENTRATIONS
AND FREE PRODUCT THICKNESS
FIRST QUARTER 2008

FIGURE 9

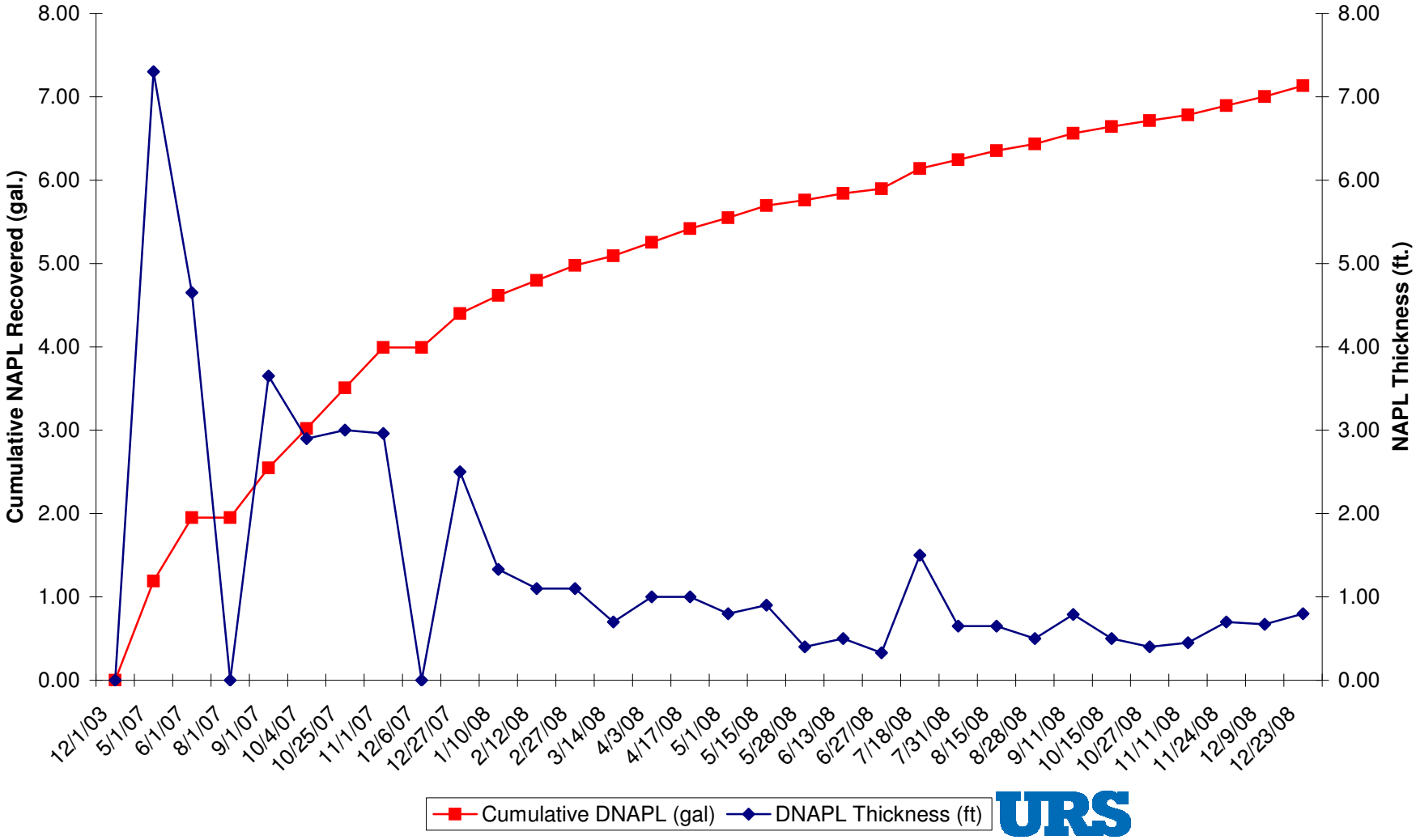
J:\11175065.00000\DB\GIS\ARCMAP\0108 BTEXPAH-NAPL_REV3.mxd 3/11/2009 4:25:36 PM Lumb, M

Figure 10A
Well HIMW-01S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site



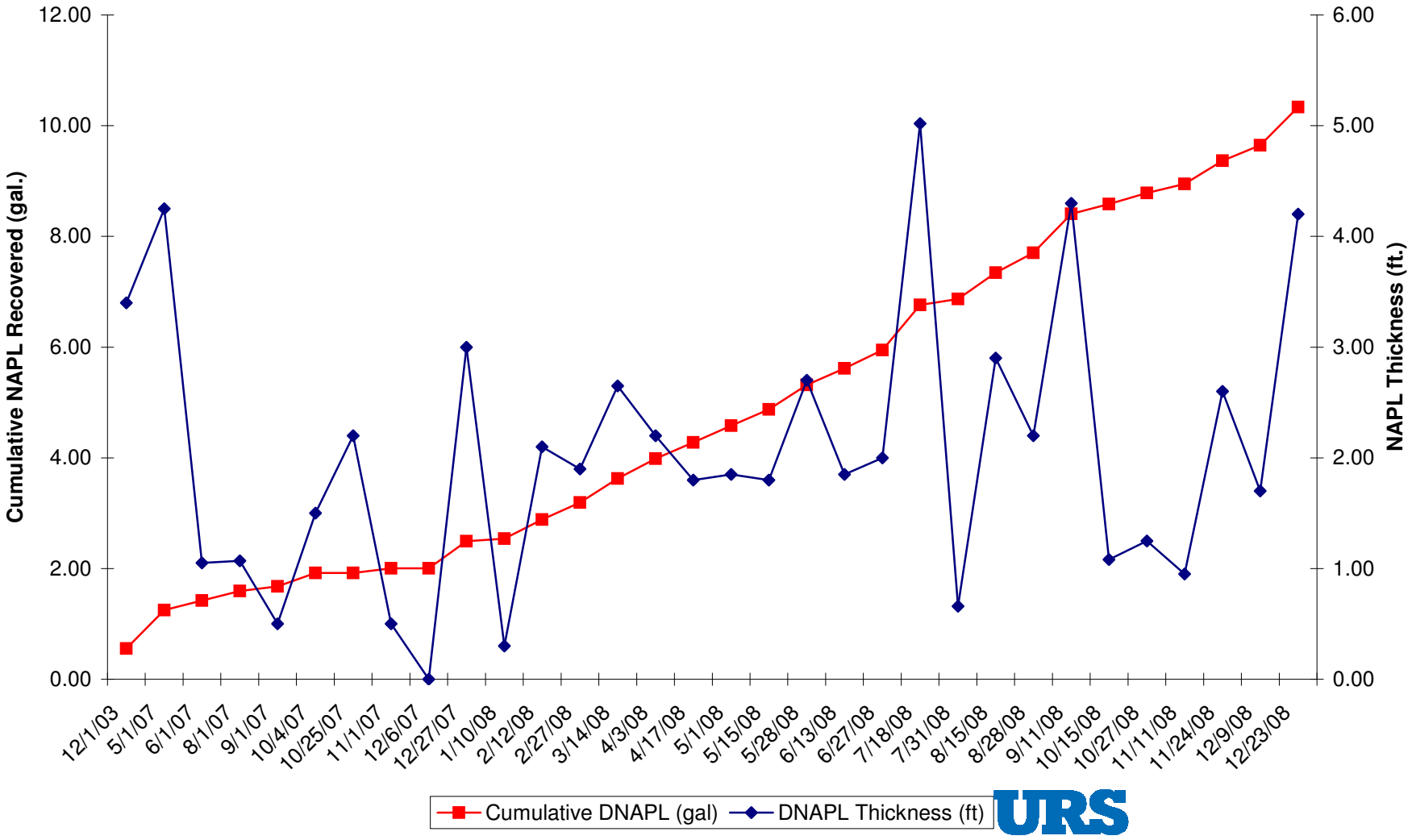
J:\11175065.00000\EXCEL\Quarterly+Annual Data Reports\Hempstead Cumulative NAPL Recovery Table_updated Dec 2008 - HIMW-01S

Figure 10B
Well HIMW-01I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site



J:\11175065.00000\EXCEL\Quarterly+Annual Data Reports\Hempstead Cumulative NAPL Recovery Table_updated Dec 2008 - HIMW-01I

Figure 10C
Well HIMW-06S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site



J:\11175065.00000\EXCEL\Quarterly+Annual Data Reports\Hempstead Cumulative NAPL Recovery Table_updated Dec 2008 - HIMW-06S

Figure 10D
Well HIMW-06I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

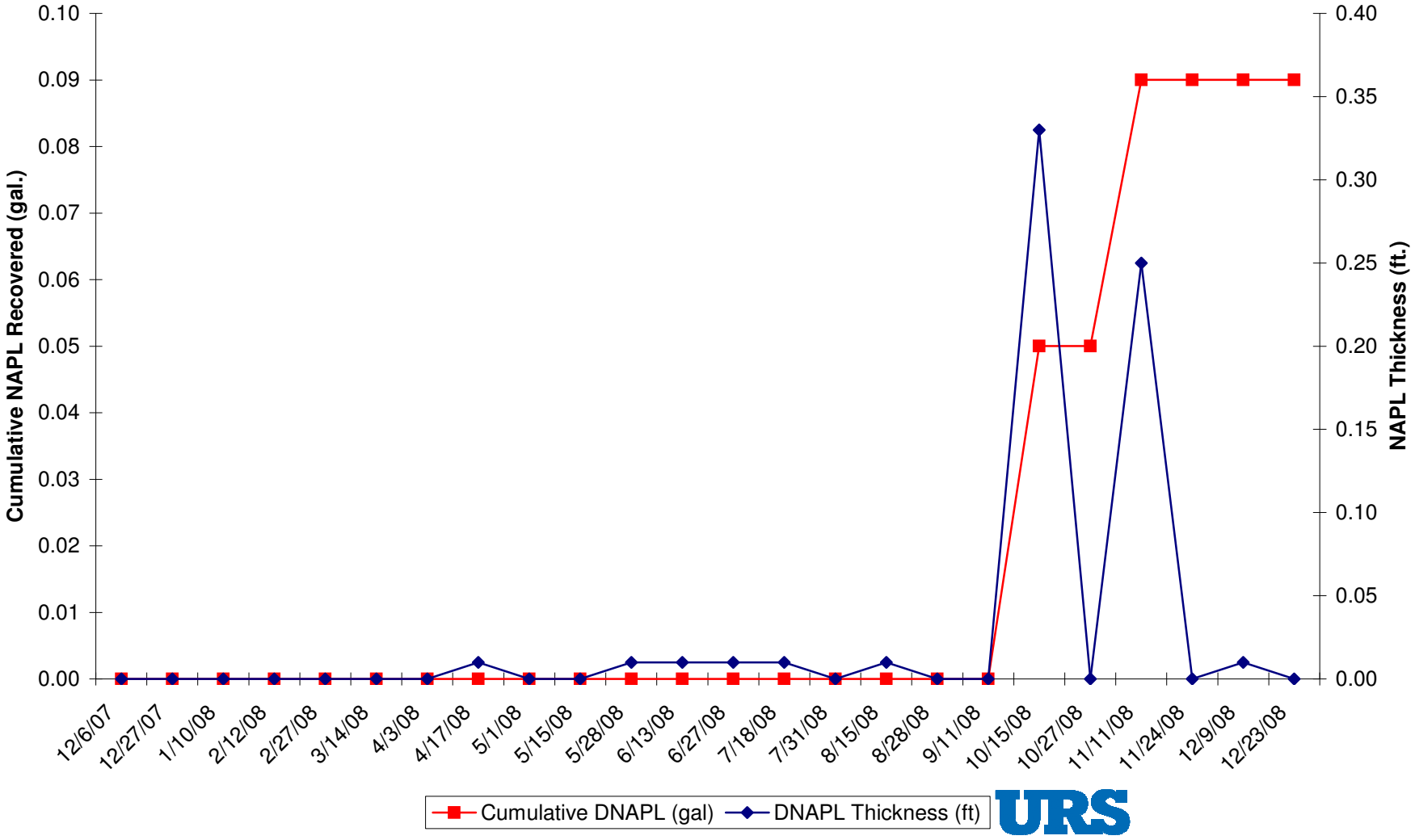


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Figure 10E
Well HIMW-07S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

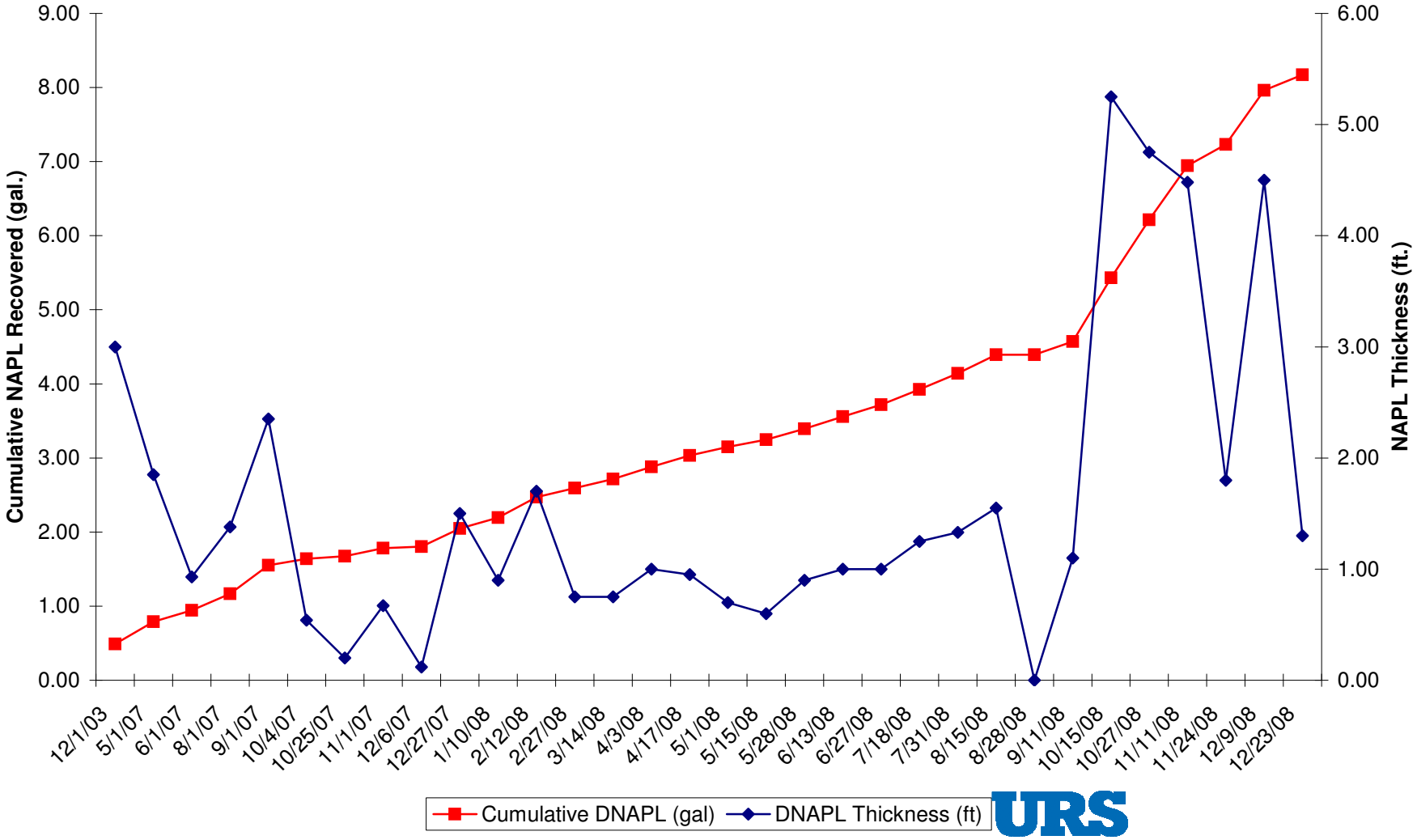

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Figure 10F
Well HIMW-11S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

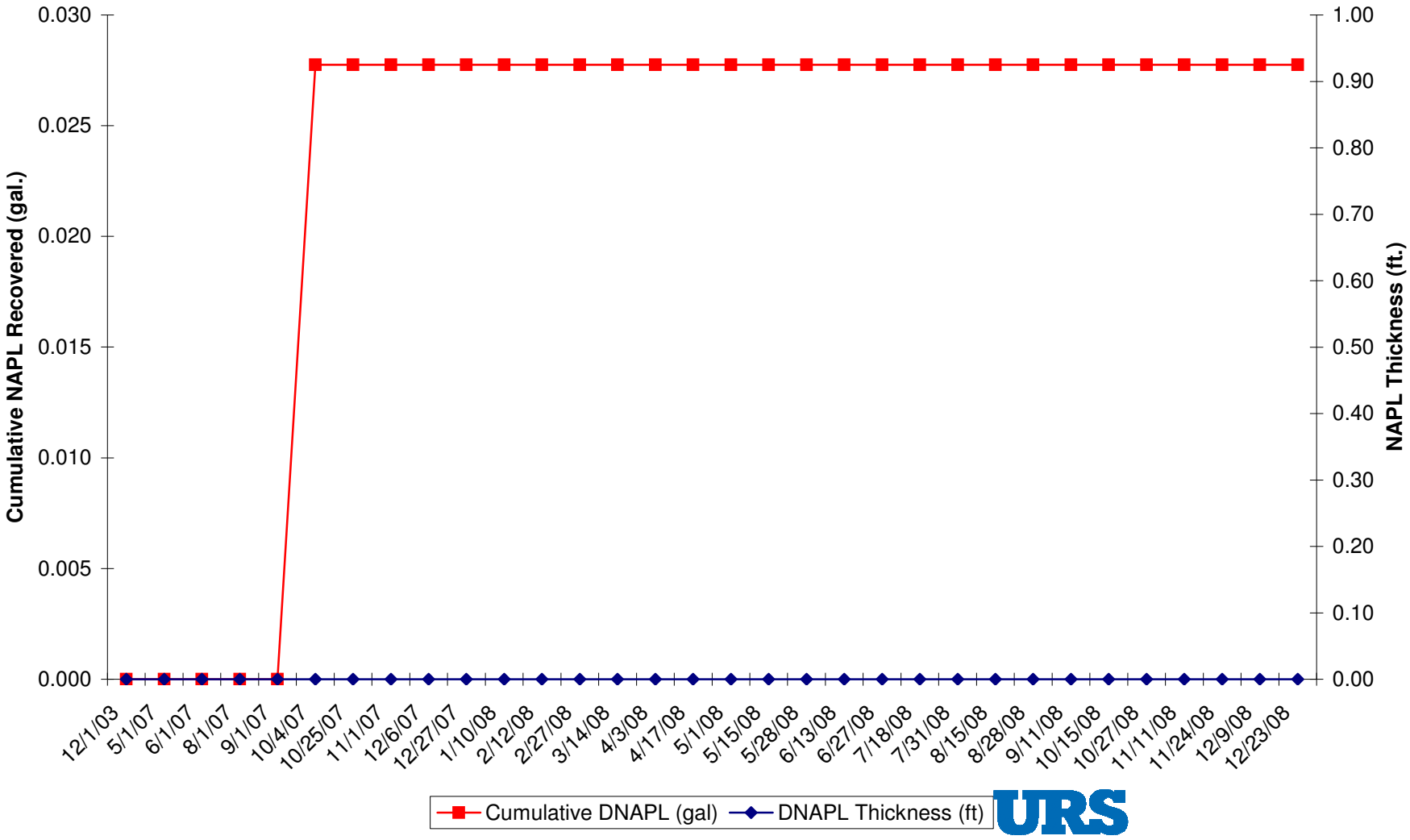

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Figure 10G
Well HIMW-11I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

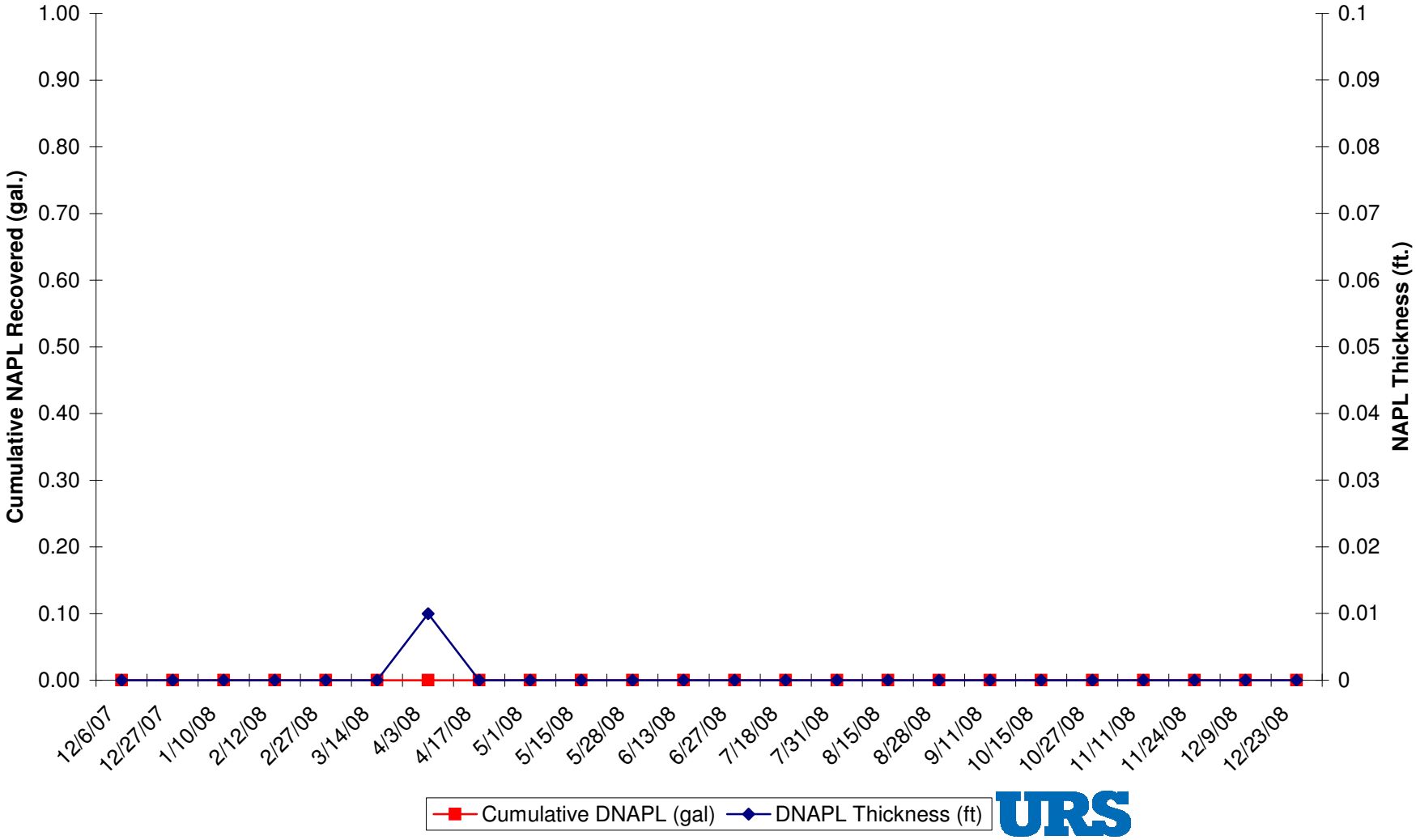

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Figure 10H
Well HIMW-16S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

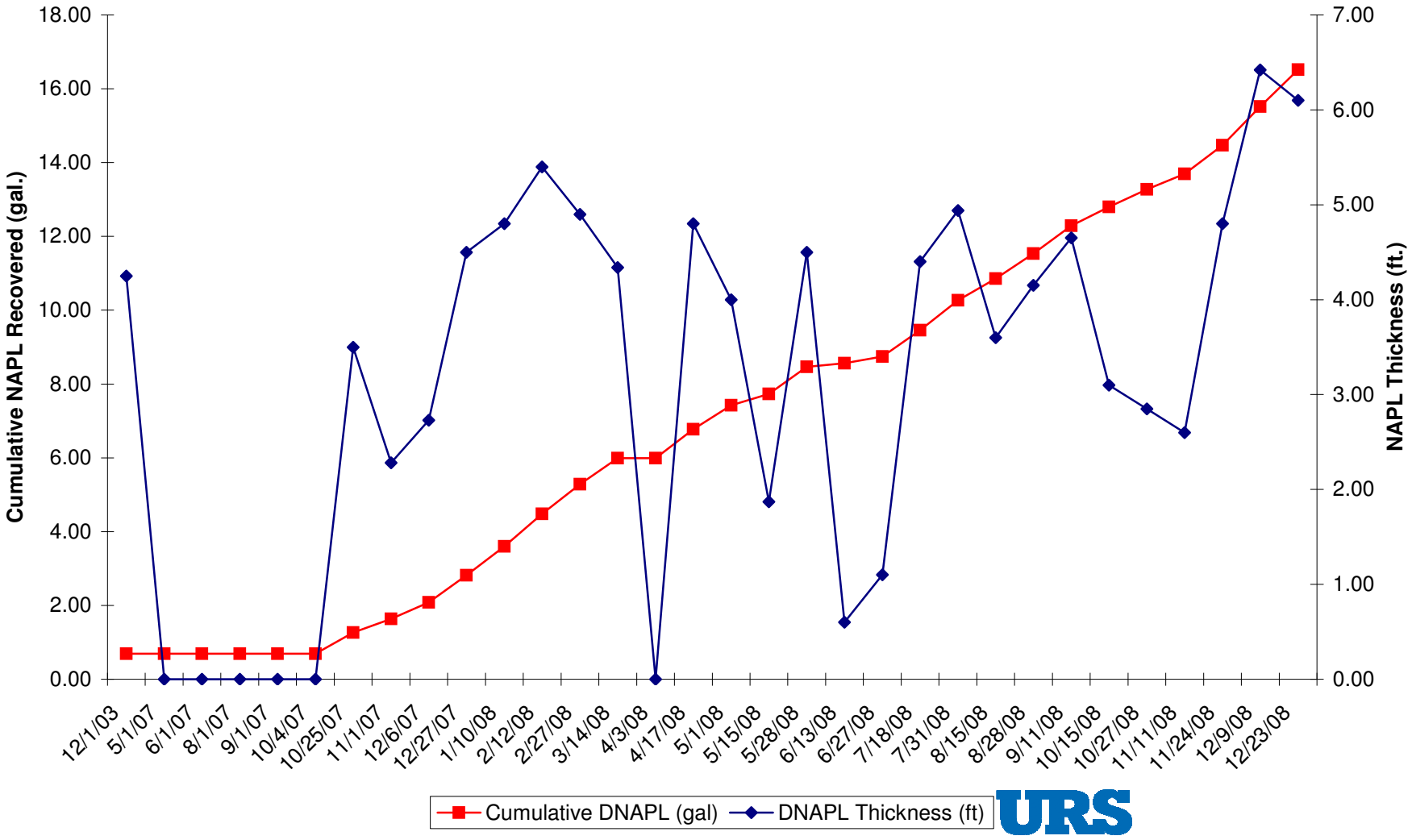

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Figure 10I
Well HIMW-16I NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

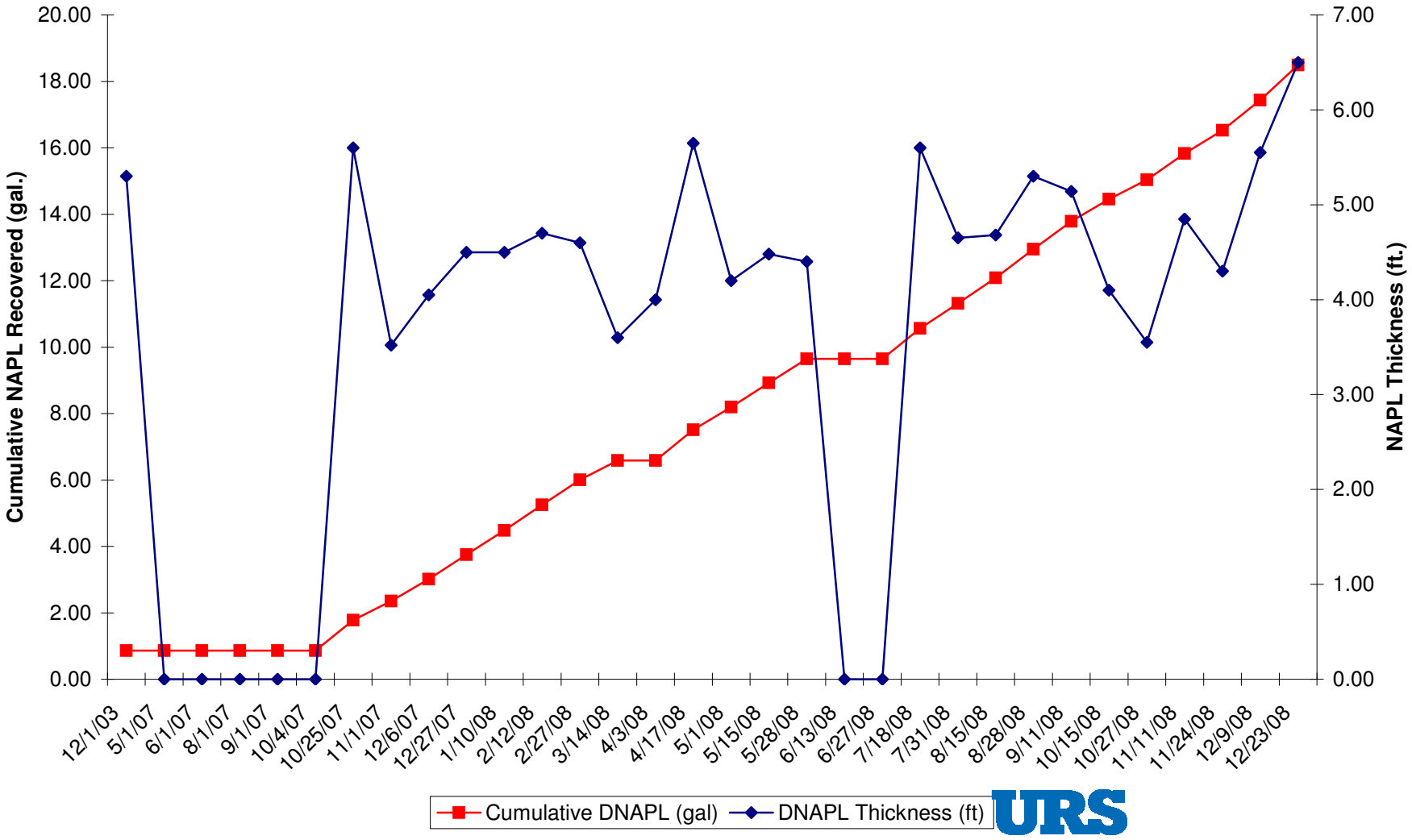

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Figure 10J
Well HIMW-17S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

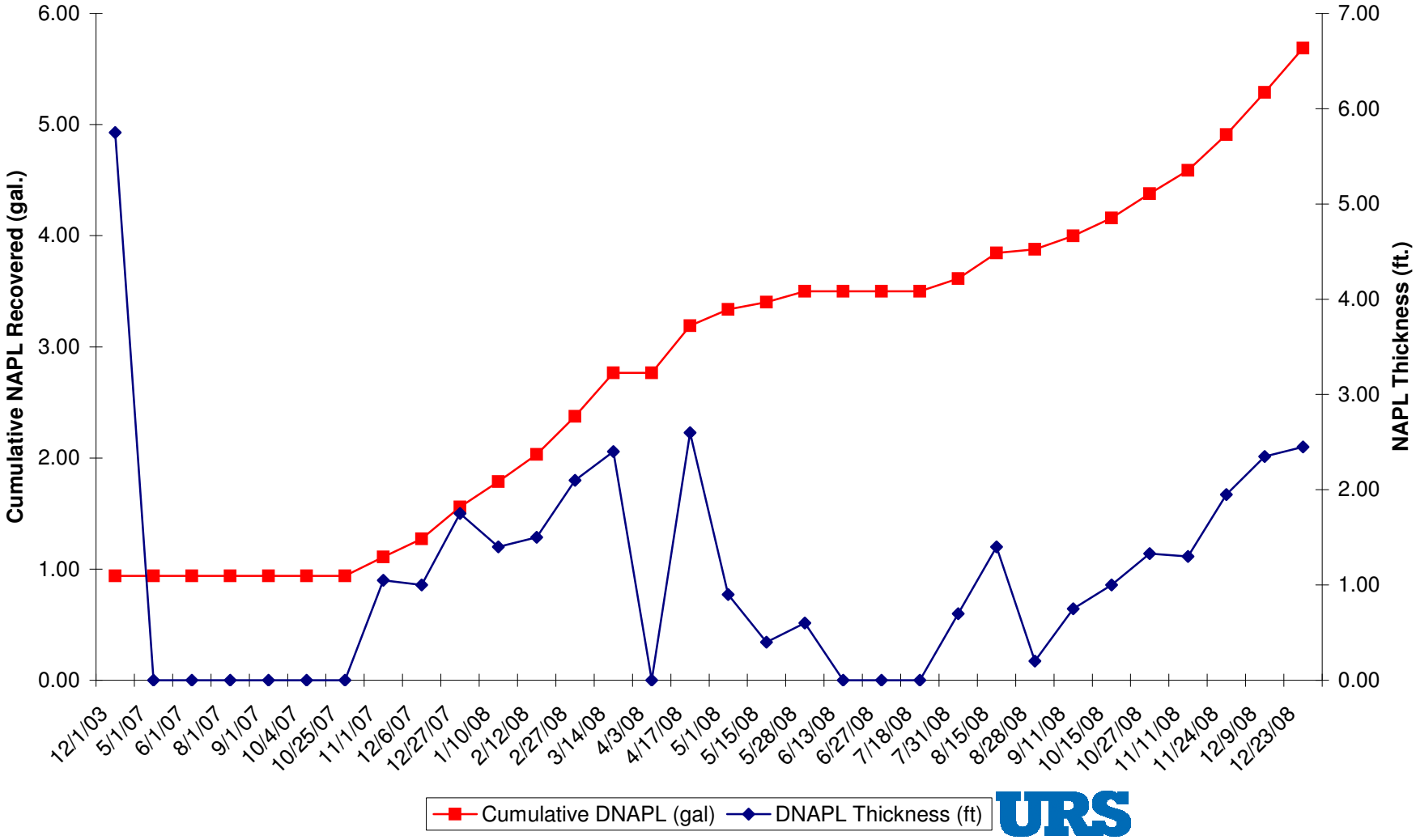

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Figure 10K
Well HIMW-18S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

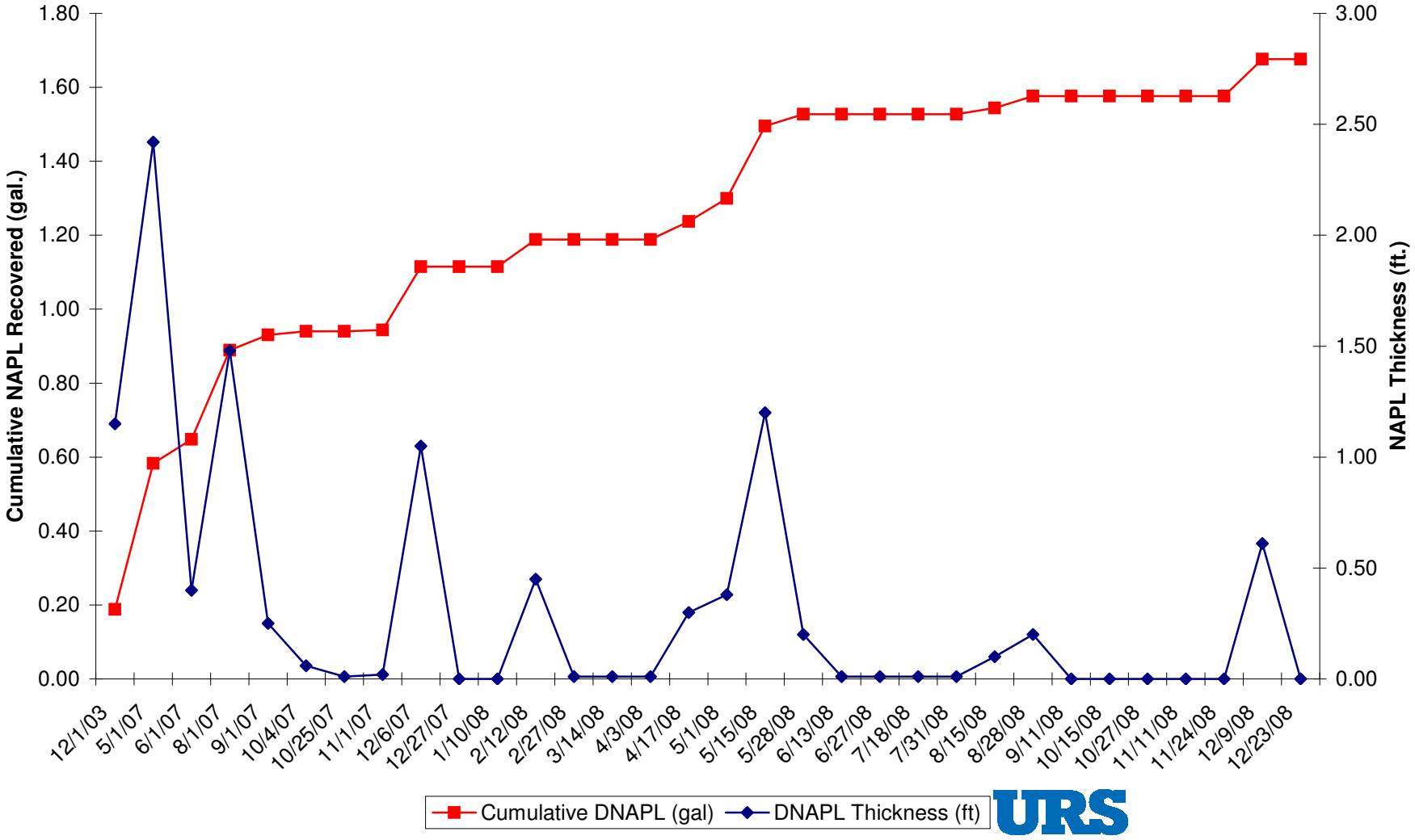

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Figure 10L
Well HIMW-19S NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

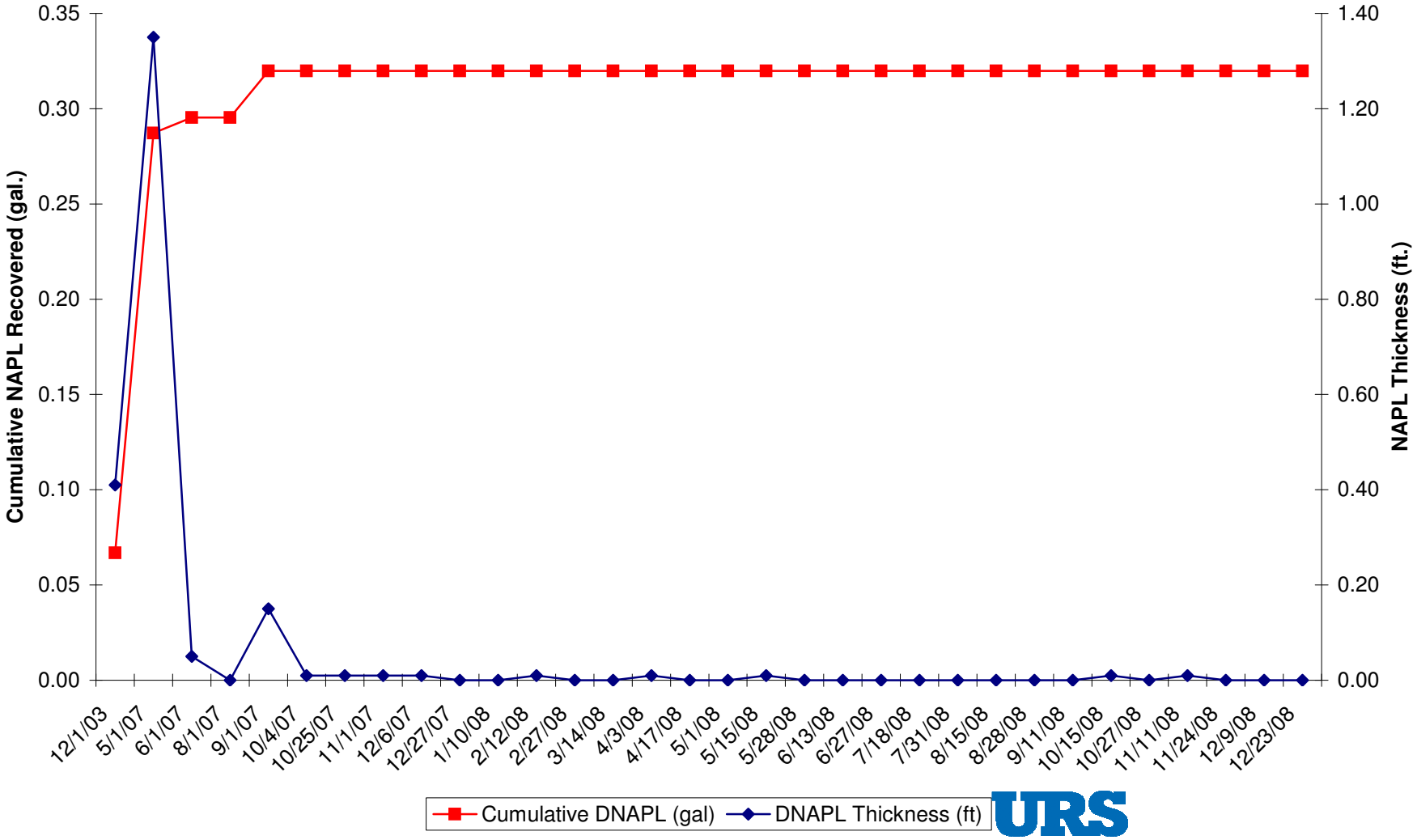

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Figure 10M
Well PZ-08 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

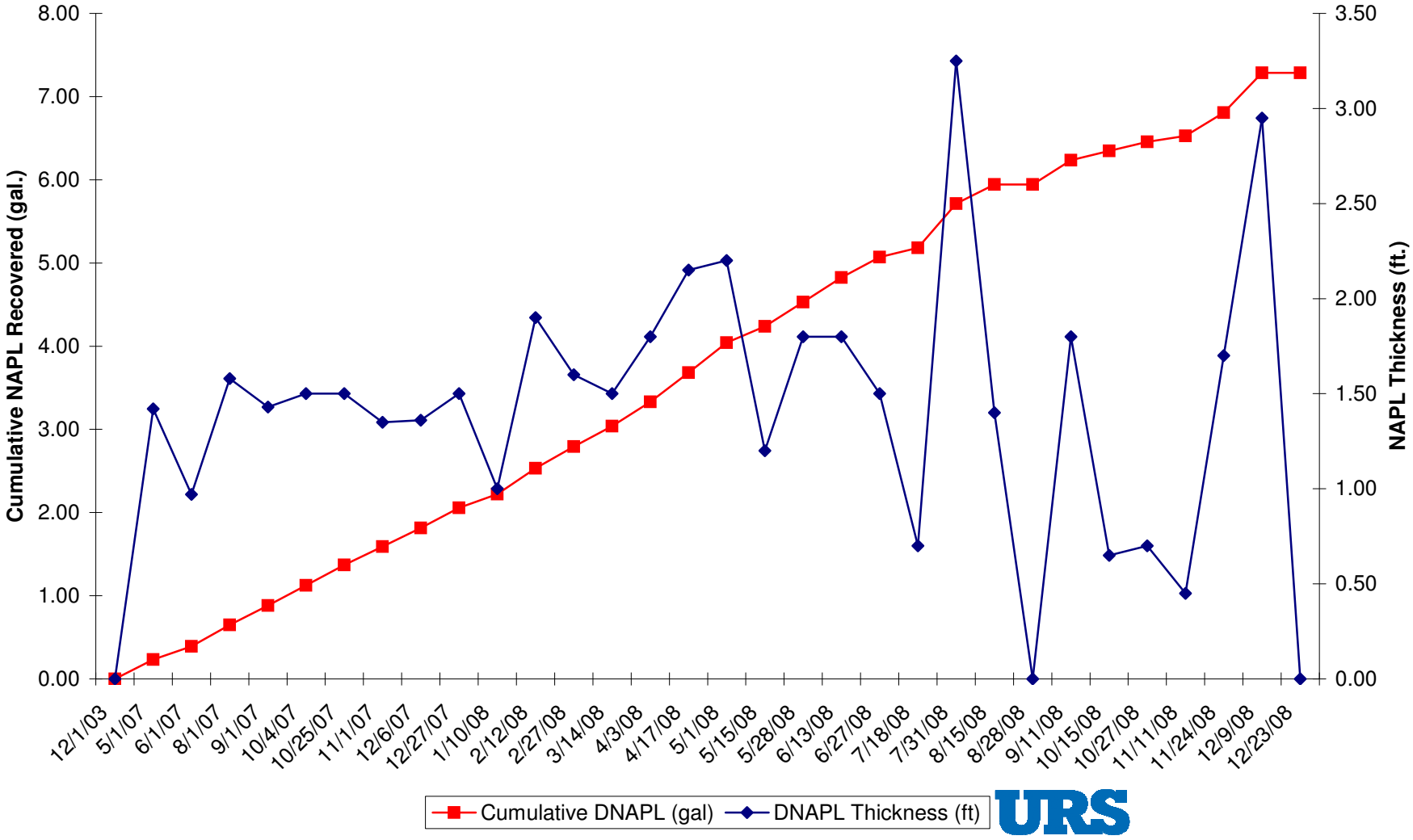

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Figure 10N
Well IPR-06 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

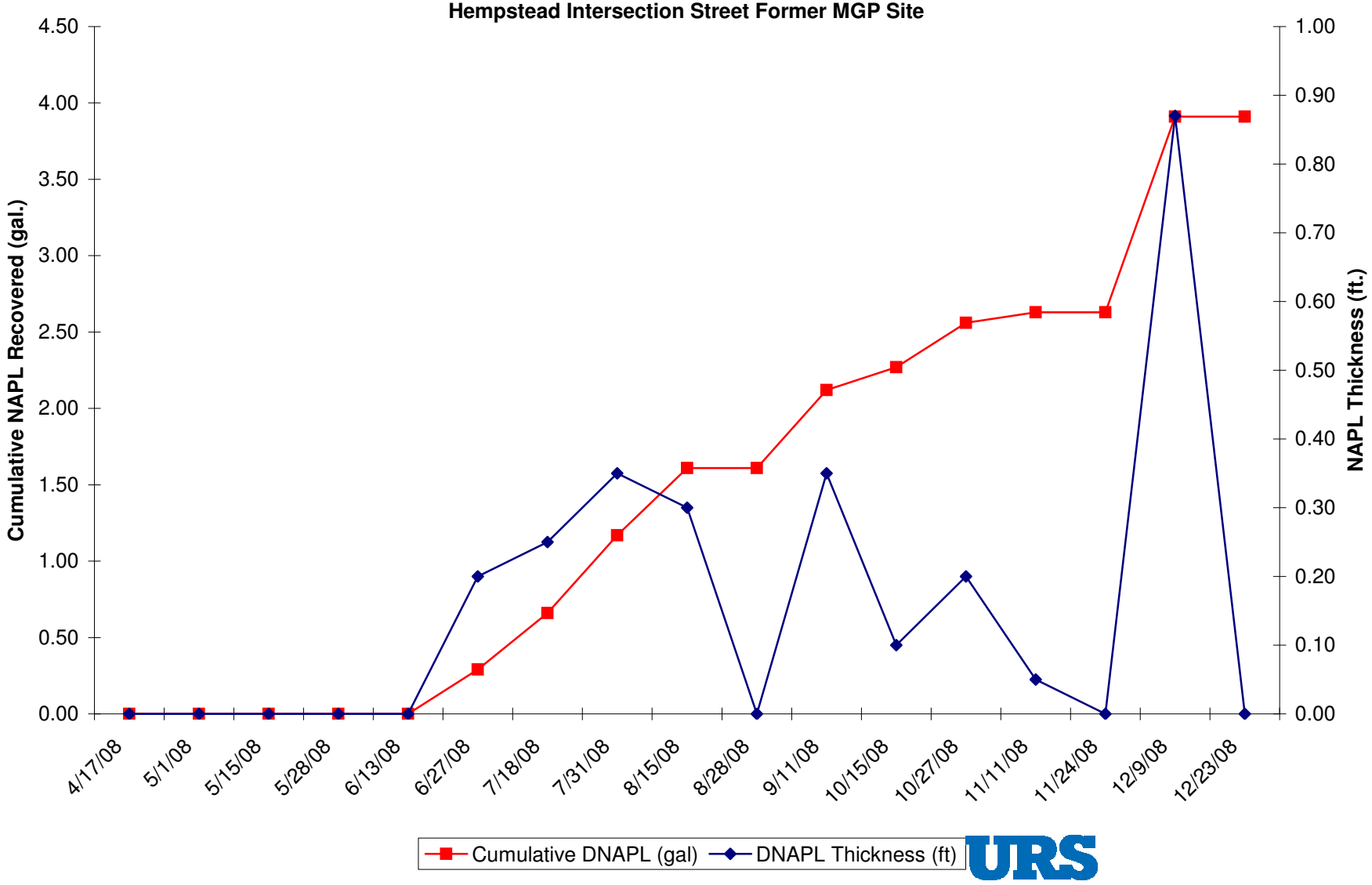

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Figure 10O
Well IPR-12A NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

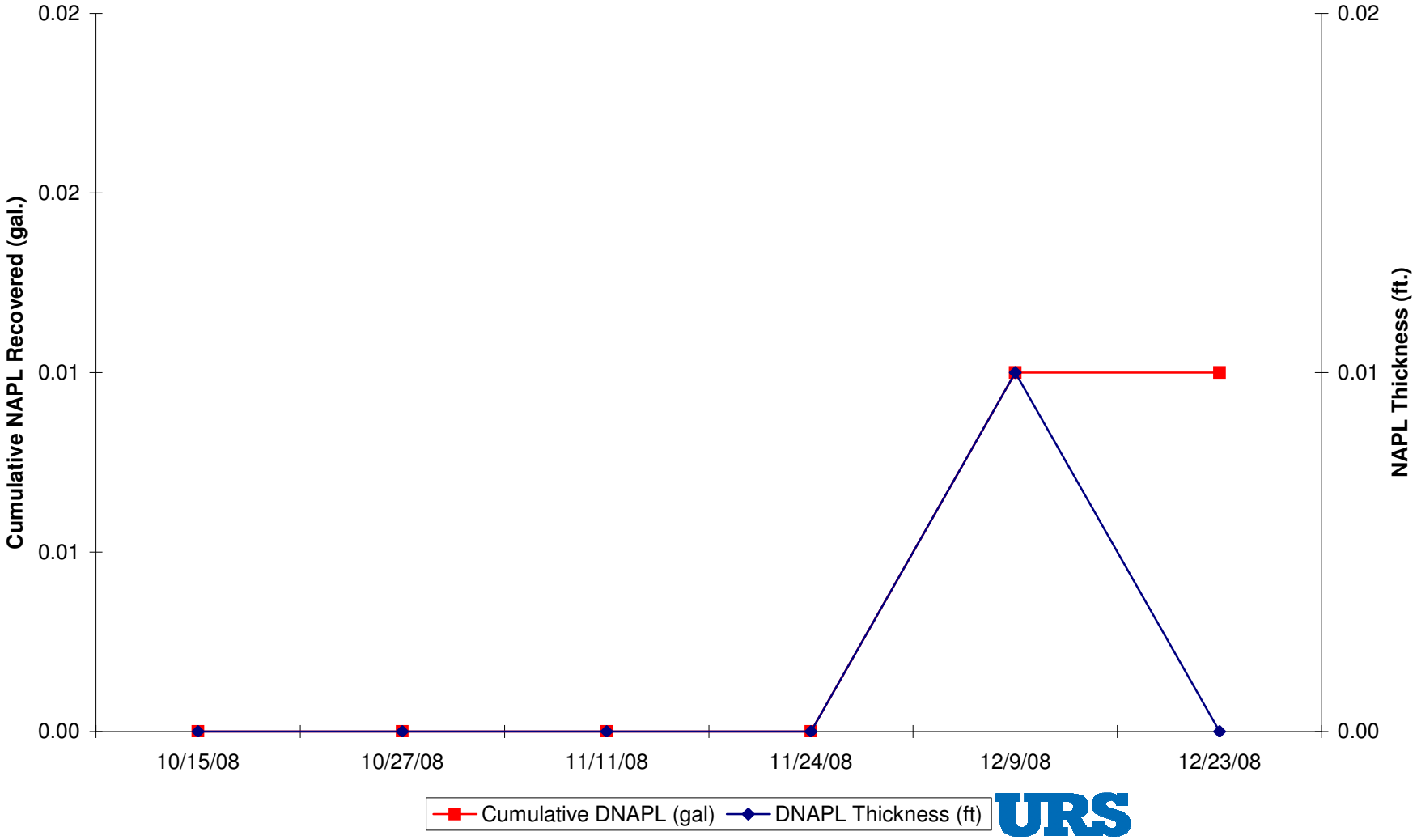

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Figure 10P
Well IPR-15 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

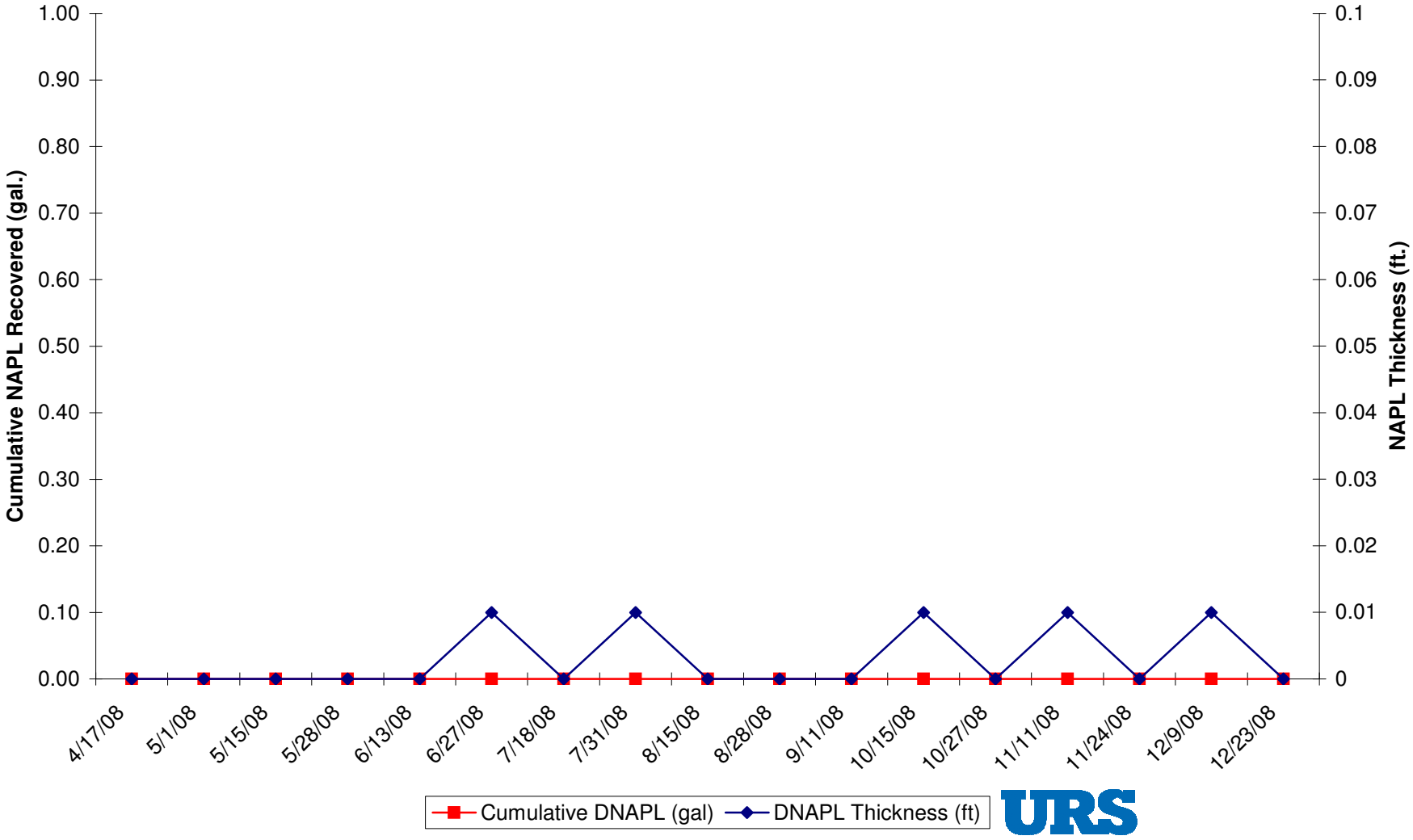

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Figure 10Q
Well IPR-17 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

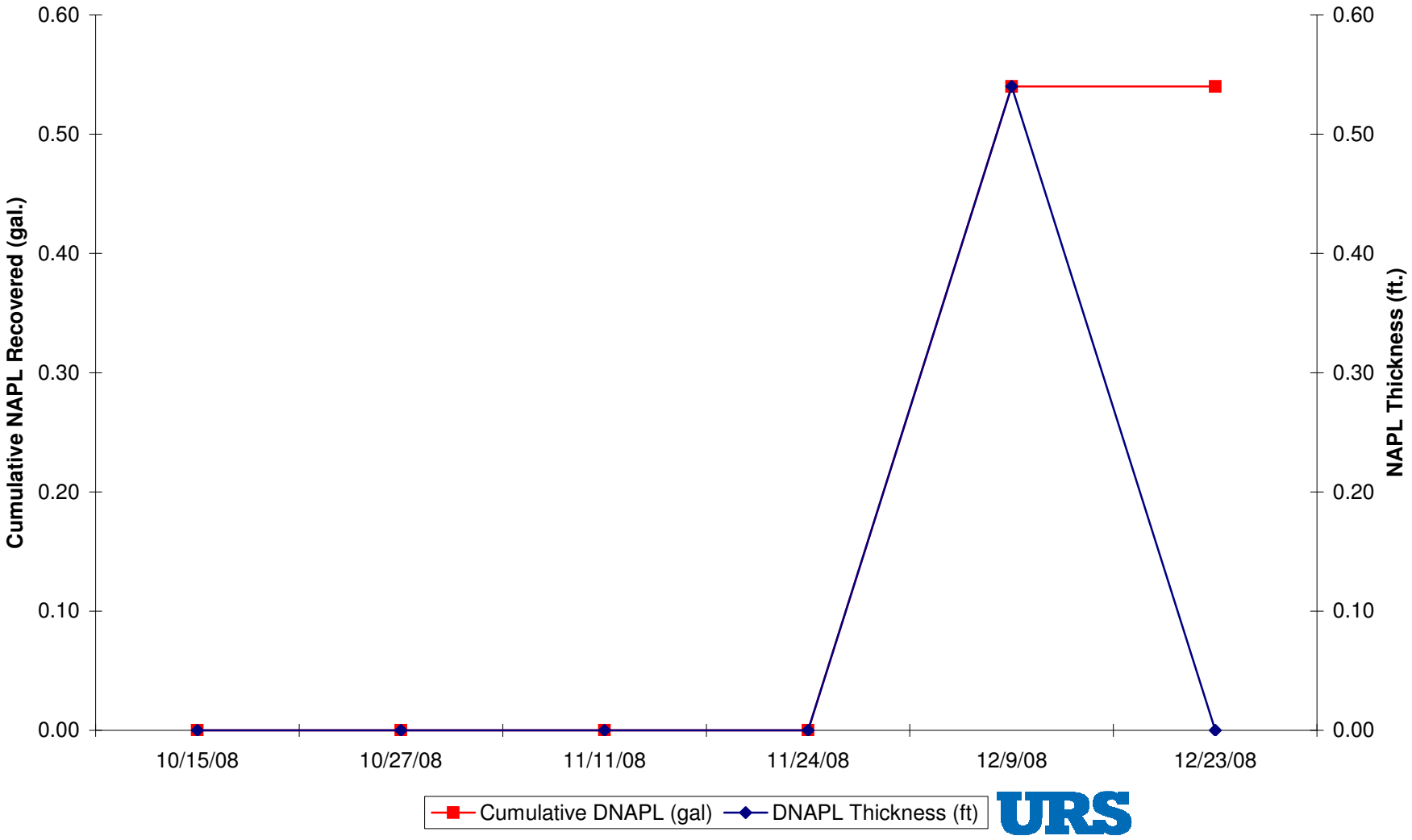

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Figure 10R
Well IPR-20 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

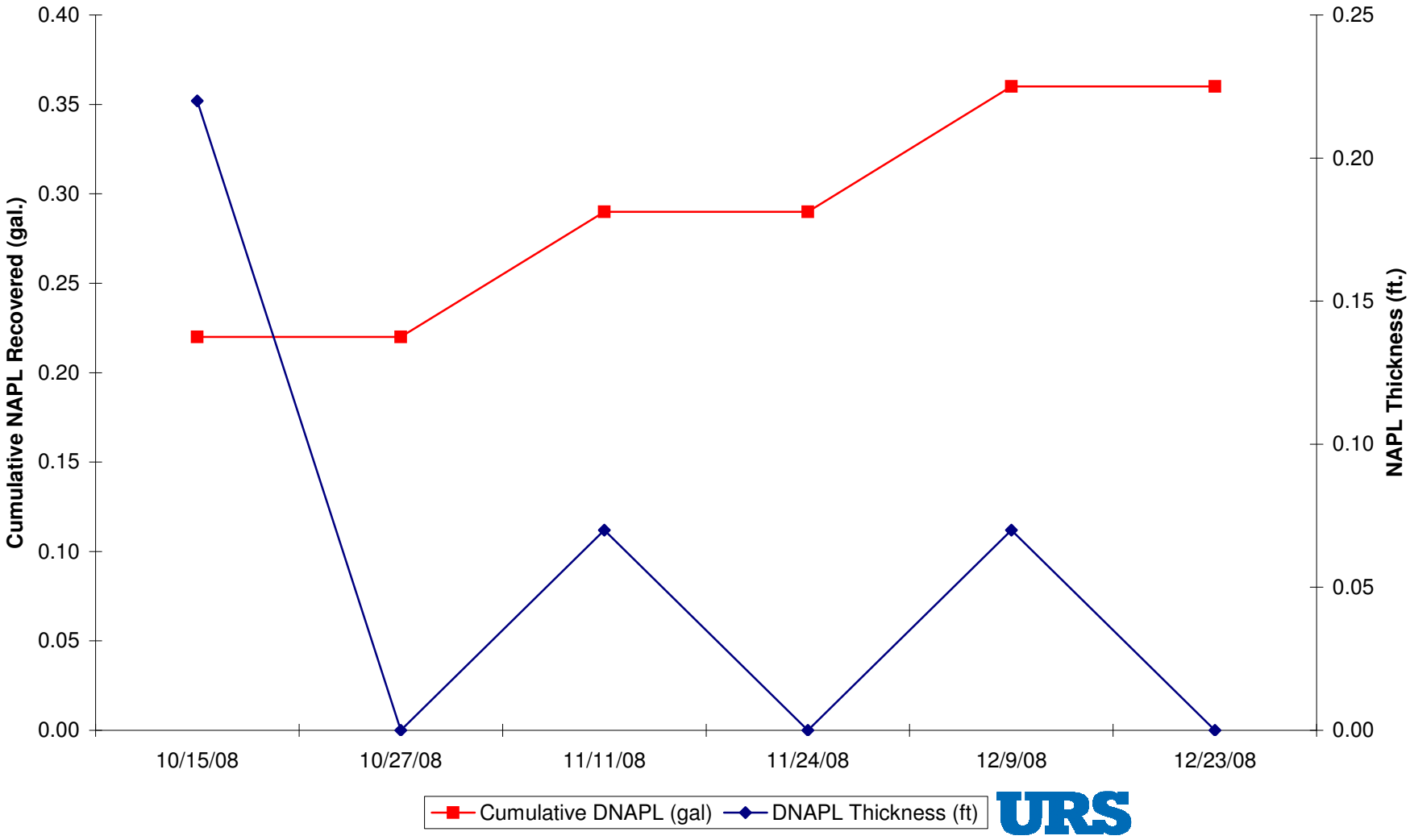

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Figure 10S
Well IPR-21 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

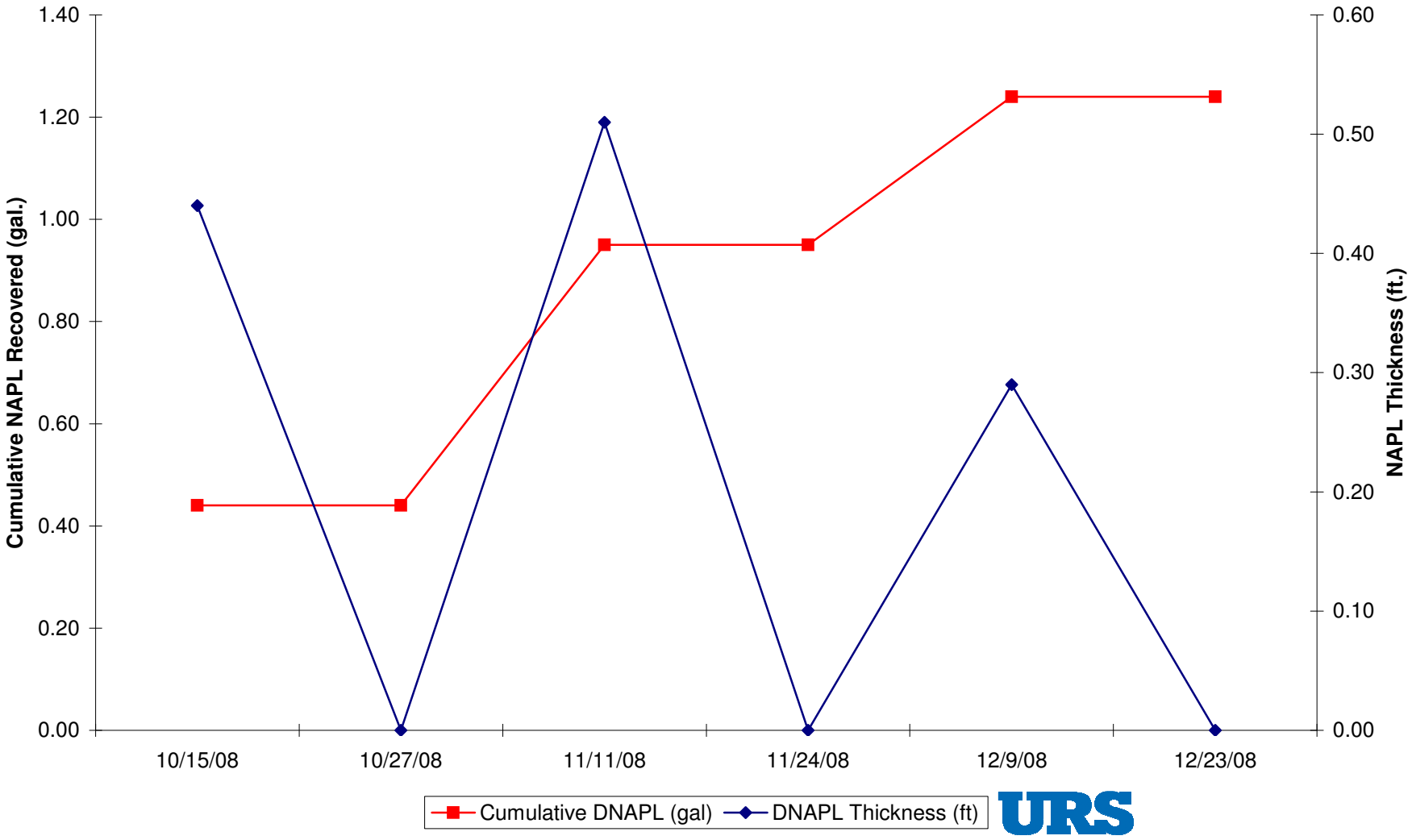

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Figure 10T
Well IPR-22 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

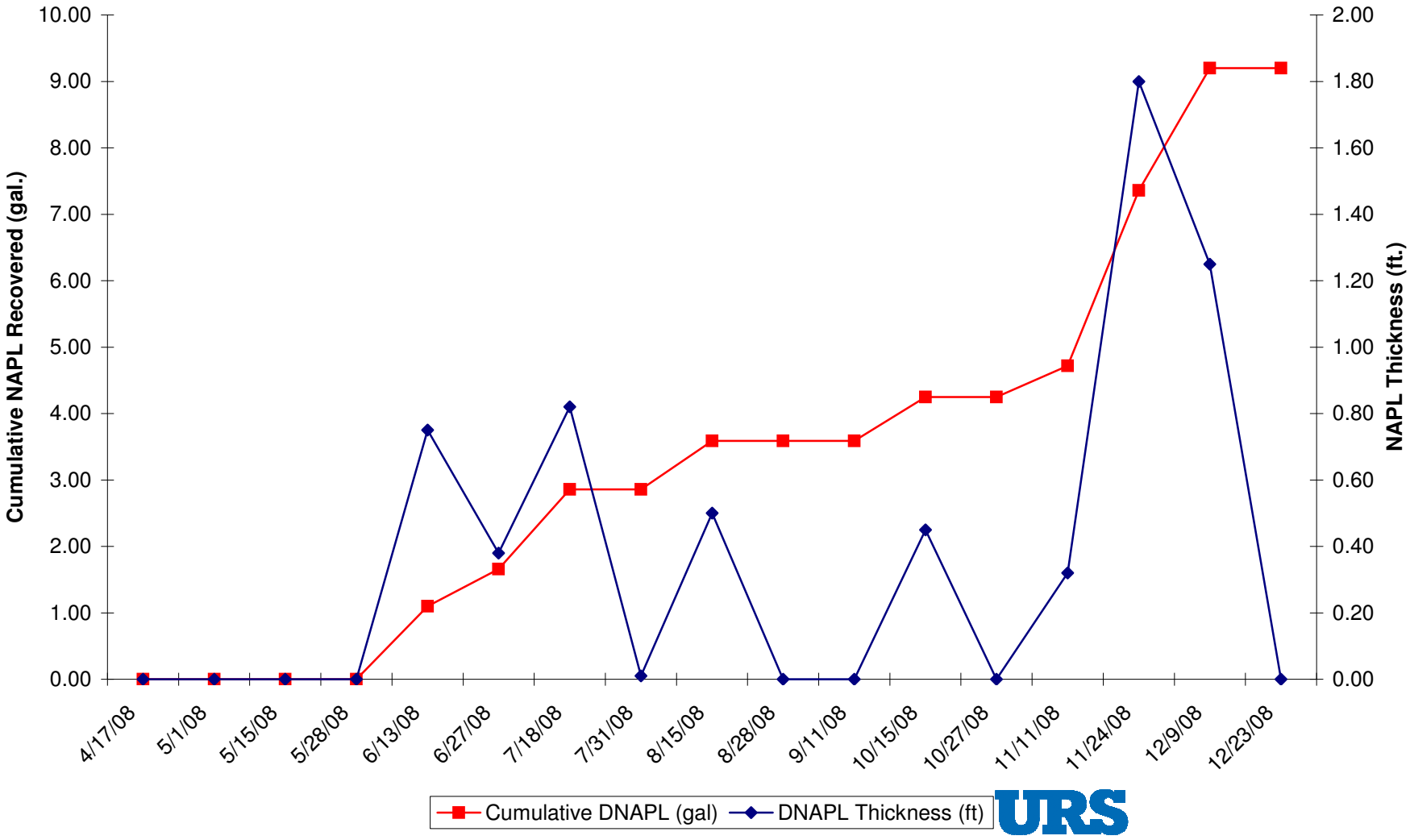

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Figure 10U
Well IPR-24 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site

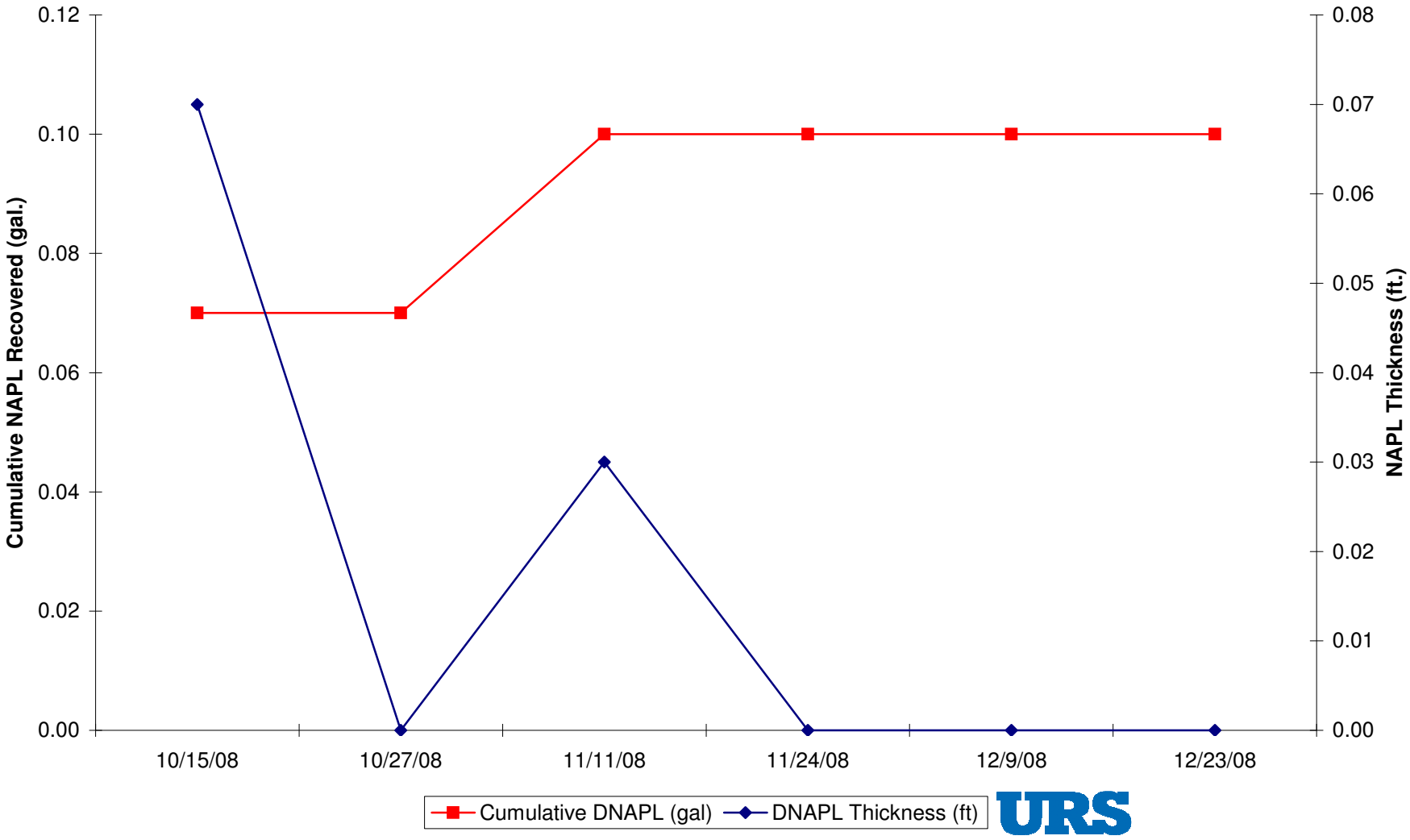

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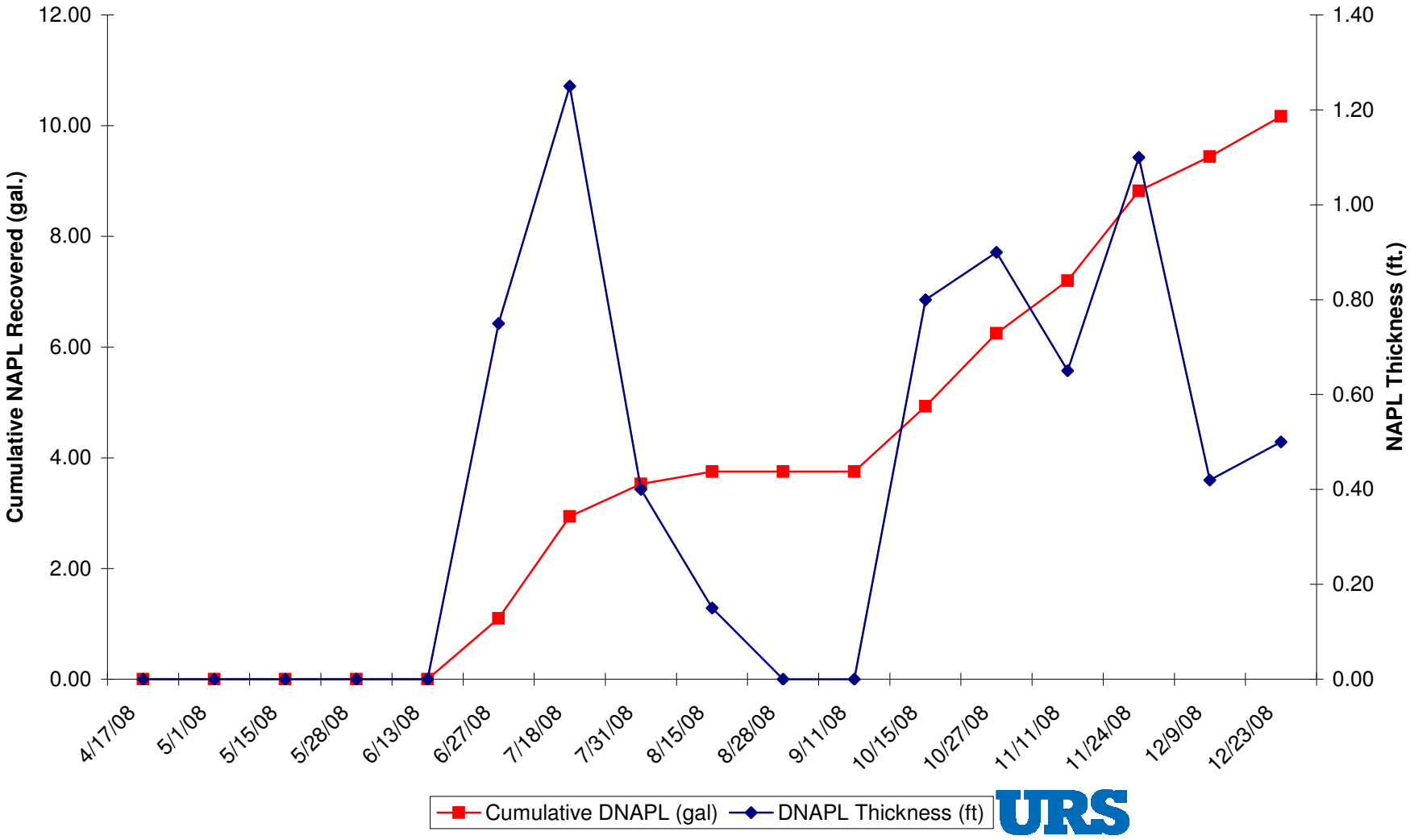
Figure 10V
Well IPR-25 NAPL Thickness and Cumulative Recovery Plot
Hempstead Intersection Street Former MGP Site



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DGP-209 (11/11/08)		
DEPTH	TOT. BTEX	TOT. PAHs
34-38	1,709	1,066
40-44	4,980	645
50-54	3,859	1,297
70-74	2	3

HIGP-01 (8/7/00)		
DEPTH	TOT. BTEX	TOT. PAHs
25-29	ND	ND
56-60	1	1

HIGP-02 (8/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
31-35	ND	ND
56-60	ND	ND

HIGP-03 (7/28/00)		
DEPTH	TOT. BTEX	TOT. PAHs
33-37	ND	ND
56-60	ND	ND

HIGP-04 (7/24/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	ND
56-60	ND	2

HIGP-28 (8/4/00)		
DEPTH	TOT. BTEX	TOT. PAHs
29-33	17	22
58-62	2,640	5,933

HIGP-40 (8/7/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	4,166	9,815
56-60	4	112

HIGP-41 (8/11/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	2,241	3,258
58-62	1	17

HIGP-44 (8/10/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	469	244
57-61	3	47

HIGP-45 (10/17/00)		
DEPTH	TOT. BTEX	TOT. PAHs
32-38	1,229	1,254
60-64	ND	ND

HIGP-47 (8/22/00)		
DEPTH	TOT. BTEX	TOT. PAHs
31-35	6,670	18,715
60-64	500	369

HIGP-48 (8/25/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	2
60-64	766	926

HIGP-49 (10/16/00)		
DEPTH	TOT. BTEX	TOT. PAHs
36-40	ND	ND
60-64	7	63
90-94	ND	16

HIGP-50 (9/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	8
60-64	ND	ND

HIGP-51 (8/31/00)		
DEPTH	TOT. BTEX	TOT. PAHs
28-32	ND	ND
58-60	ND	ND

HIGP-52 (9/11/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	1,031	2,629
58-60	ND	ND

HIGP-53 (9/1/00)		
DEPTH	TOT. BTEX	TOT. PAHs
27-31	76	317
60-64	15	35
90-94	1	ND

HIGP-54 (9/5/00)		
DEPTH	TOT. BTEX	TOT. PAHs
33-37	ND	1
60-64	373	338
90-94	3	ND

HIGP-55 (9/7/00)		
DEPTH	TOT. BTEX	TOT. PAHs
23-27	31	244
60-64	69	532
80-84	2	ND

HIGP-56 (10/9/00)		
DEPTH	TOT. BTEX	TOT. PAHs
24-28	ND	2
60-64	ND	ND

HIGP-57 (9/21/00)		
DEPTH	TOT. BTEX	TOT. PAHs
36-40	ND	ND
64-68	ND	ND

HIGP-58 (10/18/00)		
DEPTH	TOT. BTEX	TOT. PAHs
36-40	ND	ND
60-64	ND	ND
90-94	ND	ND

HIGP-59 (10/17/00)		
DEPTH	TOT. BTEX	TOT. PAHs
34-38	1	ND
60-64	ND	2
90-94	27	4

HIGP-60 (10/19/00)		
DEPTH	TOT. BTEX	TOT. PAHs
33-37	ND	ND
60-64	ND	ND
90-94	ND	ND

HIGP-61 (11/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
26-30	ND	ND
60-64	30	39
90-94	2	2

HIGP-62 (11/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37-41	8	4
54-58	771	152
84-89	45	89

HIGP-63 (12/15/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37-41	2	3
54-58	18	22
72-76	3,979	2,769
90-94	773	63

HIGP-64 (12/18/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37-41	27	17
54-58	4,031	1,574
72-76	401	239
90-94	14	48

HIGP-65 (12/19/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37-41	2	ND
54-58	376	125
72-76	775	190
90-94	36	59

HIGP-66 (12/14/00)		
DEPTH	TOT. BTEX	TOT. PAHs
40-44	ND	1
56-60	8	60
72-76	398	787
90-94	12,970	259

HIGP-67 (12/20/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37-41	ND	ND
54-58	ND	ND
72-76	ND	27
90-94	ND	ND

HIGP-68 (12/20/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37-41	3	5
54-58	163	300
72-76	ND	ND
90-94	ND	ND

HIGP-69 (9/24/01)		
DEPTH	TOT. BTEX	TOT. PAHs
54-58	ND	ND
70-74	28	28
82-86	126	76
90-94	12	19
104-108	5	ND

HIGP-70 (9/20/01)		
DEPTH	TOT. BTEX	TOT. PAHs
54-58	ND	0
70-74	21	20
82-86	29	38
92-96	15	18
110-114	3	6
140-144	3	ND

HIGP-71 (11/6/01)		
DEPTH	TOT. BTEX	TOT. PAHs
46-50	ND	ND
54-58	ND	ND
62-66	1	7
72-76	29	84
81-85	126	95

HIGP-72 (11/6/01)		
DEPTH	TOT. BTEX	TOT. PAHs
52-56	ND	ND
62-66	ND	ND
72-76	ND	ND
82-86	ND	ND
92-96	ND	ND

HIMW-03S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
23-33	ND-36 (ND)	ND (ND)
80.5-90.5	ND-10 (ND)	ND (ND)
133-143	ND (ND)	ND-30 (ND)

HIMW-04S,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-05S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
27-37	ND-232 (ND)	ND-765 (ND)
80-90	158-439 (174)	1,454-5,337 (1,479)
130-140	ND-62 (ND)	ND-301 (ND)

HIMW-08S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
25-35	ND-8,240 (ND)	ND-3,069 (1)
63-73	ND-0.5 (ND)	ND-251 (ND)
102-112	ND-16 (ND)	ND-37 (ND)

HIMW-09S,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-10S,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-12S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
22-32	ND-5 (ND)	ND-4 (ND)
63-73	38-256 (57)	98-527 (118)
117-127	ND-6 (ND)	ND-2 (ND)

HIMW-13S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
38-48	ND-11 (ND)	ND (ND)
70-80	ND-164 (38)	58-156 (73)
110-120	6-30 (5)	ND-21 (ND)

HIMW-14 I,D		
DEPTH	TOT. BTEX	TOT. PAHs
85-95	74-273 (74)	42-288 (42)
140-150	ND-15 (ND)	ND (ND)

HIMW-15 I,D		
DEPTH	TOT. BTEX	TOT. PAHs
80-90	5-111 (8)	ND-273 (7)
141.5-151.5	ND-94 (ND)	ND-1 (ND)

HIMW-20S,I (2/09)		
DEPTH	TOT. BTEX	TOT. PAHs
25-35	ND	ND
63-73	224	179

HISB-100 (11/19/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	ND
40-44	12,000	1,576
50-54	441	332
60-64	1,470	599
70-74	747	1,809
80-84	22	21

HISB-101 (11/19/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	122	190
40-44	14,100	4,356
50-54	4,040	3,244
60-64	1,995	2,074
70-74	4	4
80-84	1	2

HISB-102 (12/1/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	1,800	2,706
40-44	835	1,119
50-54	225	2,735
60-64	ND	10
70-74	1	4
80-84	76	130

HISB-102(2) (1/8/09)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	423	859
40-44	464	274
50-54	349	652
60-64	68	453
70-74	5	5
80-84	ND	1

HISB-103 (12/1/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	ND
40-44	4	6
50-54	84	171
60-64	ND	ND
70-74	ND	ND
80-84	5	9

HISB-104 (9/24/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	ND
45-49	ND	ND
55-59	ND	ND

HISB-105 (12/4/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	ND
40-44	ND	518
50-54	469	ND
60-64	1,043	3,058
70-74	60	59
80-84	279	576
90-94	48	99

HISB-105(2) (12/18/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	15	19
40-44	14	35
50-54	247	912
60-64	560	2,941
70-74	59	34
80-84	14	69
90-94	24	221
100-104	1	ND

HISB-106 (12/4/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	418	602
40-44	1,162	383
50-54	1,800	2,513
60-64	815	572
70-74	68	51
80-84	38	30
90-94	124	98

HISB-107 (12/8/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	ND
40-44	217	47
50-54	551	258
60-64	29	68
70-74	ND	ND
80-84	ND	ND
90-94	24	8

HISB-108 (12/9/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	ND
40-44	ND	ND
50-54	ND	ND
60-64	ND	ND
70-74	12	1
80-84	20	1
90-94	26	2

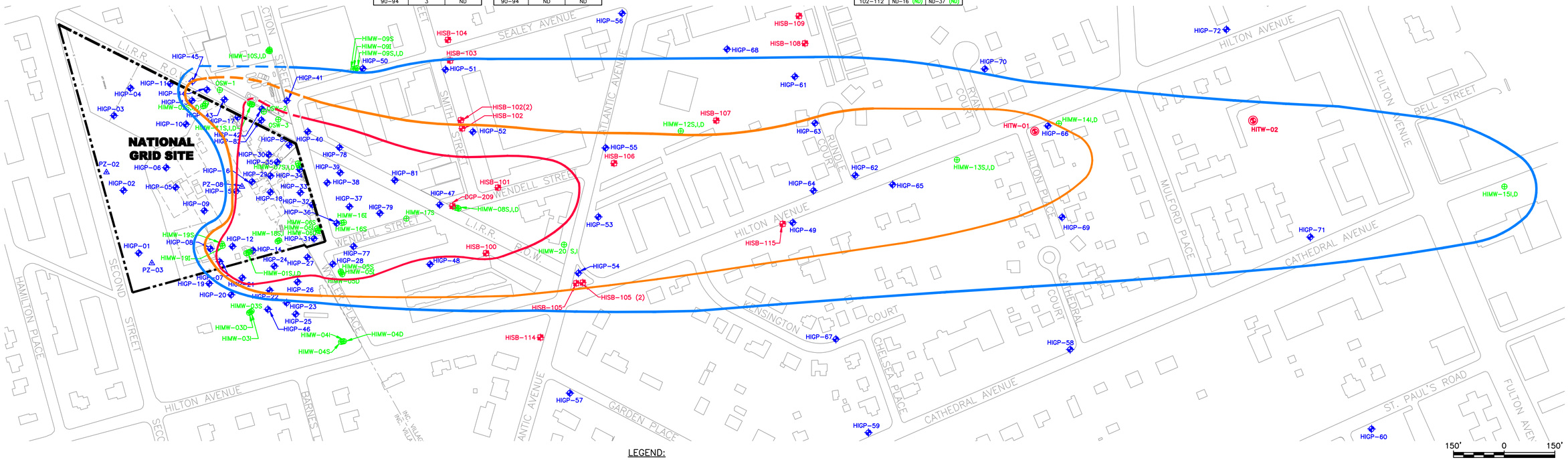
HISB-109 (12/10/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	ND
40-44	ND	ND
50-54	8	ND
60-64	19	ND
70-74	28	ND
80-84	31	2
90-94	ND	ND

HISB-114 (12/23/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	ND
40-44	ND	ND
50-54	ND	ND
60-64	ND	ND
70-74	ND	ND
80-84	ND	ND
90-94	ND	ND

HISB-115 (1/14/09)		
DEPTH	TOT. BTEX	TOT. PAHs
30-34	ND	15
40-44	9	14
50-54	288	265
60-64	125	133
70-74	1,411	1,153
80-84	123	99
90-94	56	67

HITW-01 (9/21/01)		
DEPTH	TOT. BTEX	TOT. PAHs
40-44	2	ND
54-58	3	6
70-74	95	278
82-86	293	274
90-94	45	44
109-113	210	1

HITW-02 (10/31/01)		
DEPTH	TOT. BTEX	TOT. PAHs
55-60	2	ND
65-70	5	9
75-80	9	40
85-90	29	52
115-120	42	ND
148-153	9	0



LEGEND:

HITW-02 TEMPORARY GROUNDWATER MONITORING WELL (TAKEN FROM RI REPORT, 2006)

HIGP-53 TEMPORARY GROUNDWATER SAMPLE LOCATION (TAKEN FROM RI REPORT, 2006)

HIMW-13 MONITORING WELL

PZ-02 PIEZOMETER

HISB-114 TEMPORARY GROUNDWATER SAMPLE LOCATION (URS, 2008-2009)

ND NOT DETECTED

LOCATION ID → HIGP-60 (10/19/00) ← SAMPLE DATE

DEPTH (ft bgs) →

DEPTH	TOT. BTEX	TOT. PAHs
33-37	ND	ND
60-64	ND	ND
90-94	ND	ND

← CONCENTRATION UNITS ARE ug/L (OCT. 2008 CONCENTRATION)

* SOME LOCATIONS ON SITE AND ADJACENT TO SITE ARE NOT SHOWN FOR FIGURE CLARITY.

EXISTING HOUSE OR BUILDING

NATIONAL GRID PROPERTY BOUNDARY

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 5,000 ug/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 1,000 ug/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 100 ug/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS. DASHED LINES REPRESENT CONTAMINATION CONCENTRATIONS THAT ARE LIKELY INFLUENCED BY THIRD PARTY SOURCES.

URS Corporation

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

EXTENT OF DISSOLVED-PHASE PLUME AND GROUNDWATER ANALYTICAL RESULTS

FIGURE 11

J:\11175065.00000\CAD\DRAFT\TASK2\HEMPSTEAD\GROUNDWATER MONITORING\FIGURE 11A.dwg 3/16/09 - 5 RAL

APPENDIX A

DATA USABILITY SUMMARY REPORT

(Provided in Electronic Format Only)

APPENDIX A
DATA USABILITY SUMMARY REPORT
FOURTH QUARTER 2008

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

Analyses Performed by:

H2M LABORATORIES, INC.

Prepared For:

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

Prepared by:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203

DECEMBER 2008

TABLE OF CONTENTS

TABLES
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APPENDICES
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I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Draft DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for the Development of Data Usability Summary Reports*, December 2002.

Analytical data for nineteen (19) groundwater samples, two field duplicates, two matrix spike/matrix spike duplicate (MS/MSD) pairs, one equipment rinsate blank, and three trip blanks collected by URS personnel from October 16-28, 2008 are discussed in this DUSR. The samples were collected as part of the fourth quarter 2008 groundwater monitoring event at the Hempstead Intersection Street Former MGP Site.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION

The samples were analyzed by H2M Laboratories, Inc. (Melville, NY) for the following parameters:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) – USEPA Method SW8260B, and
- Polynuclear aromatic hydrocarbons (PAHs) – USEPA Method SW8270C.

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, SOP HW-24, Rev. 2,* October 2006; and
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, SOP HW-22, Rev. 3,* October 2006.

The limited data validation included a review of holding times; completeness of all required deliverables; 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.

Qualifications applied to the data include 'U' (not detected), 'J' (estimated concentration), and 'UJ' (estimated quantitation limit). The validated analytical results are presented in Tables A-1 and A-2. Copies of the validated laboratory results (i.e., Form I's) are presented in Appendix A. Documentation supporting the qualification of data is presented in Appendix 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.

It should be noted that the laboratory method detection limits (MDLs) for BTEX reported in sample delivery group (SDG) number KEY-URS034 are associated with soils, not groundwaters. However, there are appropriate aqueous MDLs for BTEX reported in SDG no. KEY-URS036. No qualification of the data was necessary.

IV. HOLDING TIMES/SAMPLE RECEIPT

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

- For samples HIMW-08D and HIMW-14D, BTEX were collected on 10/16/08, while PAHs were collected on 10/21-22/08, due to an insufficient number of sample containers available in the field. However, this sampling non-conformance does not impact the usability of data, because the current BTEX and PAH results for these two samples (i.e., non-detect) are consistent with historic data collected from these two monitoring well locations.

- For sample HIMW-13D, only one sample container was labeled with the sample ID, while all others were labeled with the collection time only.

- For field dup DUP1-102108, the collection time on the sample containers (i.e., 1500) differs from the COC (i.e., 1300). It should be noted that the field duplicate results show good correlation with the parent sample (i.e., HIMW-14I).

- The trip blank associated with samples HIMW-03D, HIMW-05D, HIMW-12D, HIMW-13D, and HIMW-14I was not documented on the COC by the field technician.

- For samples collected on 10/23-28/08, no trip blanks were submitted for BTEX analysis. Since the trip blanks collected on 10/16-21/08 and the field blank collected on 10/28/08 did not exhibit BTEX contamination, it is not expected that subsequent trip blanks would exhibit contamination. It should be noted that current BTEX results for the affected samples show good correlation with historical results.

- The sample containers for HIMW-12S had incorrect collection times (i.e., same as HUMW-08S), whereas, the sample containers for HIMW-08S were labeled correctly. It should be noted that current results for these samples show good correlation with historical results.

Since the above referenced COC non-conformances have no significant impact on the data, no further data qualification was necessary.

All samples were analyzed within the required holding times.

V. NON-CONFORMANCES

Instrument Calibration

For BTEX analyses, the percent difference (%D) between the initial calibration (ICAL) average relative response factor (RRF) and the RRF in the continuing calibration (CCAL) standard, associated with the following groundwater/trip blank samples, was greater than 20% for total xylene: HIMW-03D, HIMW-03I, HIMW-05D, HIMW-05I, HIMW-12D, HIMW-13D, HIMW-14I (and field duplicate DUP1-102108) HIMW-15D, HIMW-15I (and field duplicate DUP2-102308), TB102108-1, and TB102108-2. The total xylene results for these samples were qualified 'J' or 'UJ'.

For PAH analyses, the %D between the ICAL average RRF and the RRF in the CCAL standards, associated with all groundwater samples (except HIMW-12I, HIMW-13I, and HIMW-14I), were greater than 20.0% for benzo(g,h,i)perylene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene. The non-detect results for these PAHs for all affected groundwater samples were qualified 'UJ'.

Documentation supporting the qualification of data (i.e., Forms 5 and 7) is presented in Appendix B.

VI. SAMPLE RESULTS AND REPORTING

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

For the undiluted PAH analysis of sample HIMW-05I, the raw and enhanced spectra for fluorene does not meet method identification criteria, due to coeluting matrix interference. Since the fluorene spectra from the secondary dilution meets method identification criteria, the presence of this PAH is considered accurate.

VII. SUMMARY

All sample analyses were found to be compliant with the method and validation criteria, except where previously noted. Those results qualified 'J' (estimated) or 'UJ' (estimated quantitation limit) are considered conditionally usable, while those results qualified 'R' (rejected) are considered unusable. All other sample results are usable as reported. URS does not recommend the re-collection of any samples at this time.

Prepared By: **Peter R. Fairbanks, Sr. Project Chemist** PF **Date:** 2/20/09

Reviewed By: **Mary E. Bitka, Principal Chemist** MEB **Date:** 2/20/09

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

D – The sample results are reported from a separate secondary dilution analysis.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2008
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			10/21/08	10/22/08	10/23/08	10/20/08	10/23/08
Parameter	Units	Criteria*					
Volatile Organic Compounds							
Benzene	UG/L	1	1 U	1 U	1 U	1 U	2
Ethylbenzene	UG/L	5	1 U	1 U	1 U	1 U	1 U
Toluene	UG/L	5	1 U	1 U	1 U	1 U	2
Xylene (total)	UG/L	5	1 UJ	1 UJ	1 U	1 UJ	170 J
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	220 D
Acenaphthene	UG/L	20	10 U	10 U	10 U	10 U	8 J
Acenaphthylene	UG/L	-	10 U	10 U	10 U	10 U	130 DJ
Anthracene	UG/L	50	10 U	10 U	10 U	10 U	1 J
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(k)fluoranthene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Fluoranthene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	10 U	10 U	10 U	12
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Naphthalene	UG/L	10	10 U	10 U	10 U	10 U	1,100 D
Phenanthrene	UG/L	50	10 U	10 U	10 U	10 U	8 J
Pyrene	UG/L	50	10 U	10 U	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.

UJ - Not detected. The reported quantitation limit is an estimated value.

D - Result reported from a secondary dilution analysis.

Made By_PRF 12/19/08_; Checked By_AMK 021009_

Detection Limits shown are PQL

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[LOGDATE] BETWEEN #10/16/2008# AND #10/28/2008# AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'WG'

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2008
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-005S	HIMW-008D	HIMW-008D	HIMW-008I	HIMW-008S
Sample ID			HIMW-05S	HIMW-08D	HIMW-08D	HIMW-08I	HIMW-08S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/24/08	10/16/08	10/22/08	10/23/08	10/24/08
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Benzene	UG/L	1	1 U	1 U	NA	1 U	1 U
Ethylbenzene	UG/L	5	1 U	1 U	NA	1 U	1 U
Toluene	UG/L	5	1 U	1 U	NA	1 U	1 U
Xylene (total)	UG/L	5	1 U	1 U	NA	1 U	1 U
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	NA	10 U	10 U	10 U
Acenaphthene	UG/L	20	10 U	NA	10 U	10 U	10 U
Acenaphthylene	UG/L	-	10 U	NA	10 U	10 U	1 J
Anthracene	UG/L	50	10 U	NA	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	NA	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 U	NA	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	10 U	NA	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 UJ	NA	10 UJ	10 UJ	10 UJ
Benzo(k)fluoranthene	UG/L	0.002	10 U	NA	10 U	10 U	10 U
Chrysene	UG/L	0.002	10 U	NA	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 UJ	NA	10 UJ	10 UJ	10 UJ
Fluoranthene	UG/L	50	10 U	NA	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	NA	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 UJ	NA	10 UJ	10 UJ	10 UJ
Naphthalene	UG/L	10	10 U	NA	10 U	10 U	10 U
Phenanthrene	UG/L	50	10 U	NA	10 U	10 U	10 U
Pyrene	UG/L	50	10 U	NA	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.

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D - Result reported from a secondary dilution analysis.

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TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2008
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-012D	HIMW-012I	HIMW-012S	HIMW-013D	HIMW-013I
Sample ID			HIMW-12D	HIMW-12I	HIMW-12S	HIMW-13D	HIMW-13I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/21/08	10/28/08	10/24/08	10/21/08	10/28/08
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Benzene	UG/L	1	1 U	42	1 U	3	34
Ethylbenzene	UG/L	5	1 U	3	1 U	1 U	1 U
Toluene	UG/L	5	1 U	1 U	1 U	1 U	1 U
Xylene (total)	UG/L	5	1 UJ	12	1 U	2 J	4
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	20	10 U	36	10 U	10 U	7 J
Acenaphthylene	UG/L	-	10 U	42	10 U	10 U	44
Anthracene	UG/L	50	10 U	10 U	10 U	10 U	1 J
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 UJ	10 U	10 UJ	10 UJ	10 U
Benzo(k)fluoranthene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 UJ	10 U	10 UJ	10 UJ	10 U
Fluoranthene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	26	10 U	10 U	13
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 UJ	10 U	10 UJ	10 UJ	10 U
Naphthalene	UG/L	10	10 U	7 J	10 U	10 U	10 U
Phenanthrene	UG/L	50	10 U	7 J	10 U	10 U	8 J
Pyrene	UG/L	50	10 U	10 U	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

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Made By_PRF 12/19/08_; Checked By_AMK 021009_

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[LOGDATE] BETWEEN #10/16/2008# AND #10/28/2008# AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'WG'

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2008
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-013S	HIMW-014D	HIMW-014D	HIMW-014I	HIMW-014I
Sample ID			HIMW-13S	HIMW-14D	HIMW-14D	DUP1-102108	HIMW-14I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/24/08	10/16/08	10/21/08	10/21/08	10/21/08
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
Benzene	UG/L	1	1 U	1 U	NA	65	66
Ethylbenzene	UG/L	5	1 U	1 U	NA	5	5
Toluene	UG/L	5	1 U	1 U	NA	1 U	1 U
Xylene (total)	UG/L	5	1 U	1 U	NA	3 J	3 J
Semivolatile Organic Compounds							
2-Methylnaphthalene	UG/L	-	10 U	NA	10 U	10 U	10 U
Acenaphthene	UG/L	20	10 U	NA	10 U	12	11
Acenaphthylene	UG/L	-	10 U	NA	10 U	19	17
Anthracene	UG/L	50	10 U	NA	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	NA	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 U	NA	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	10 U	NA	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 UJ	NA	10 UJ	10 UJ	10 UJ
Benzo(k)fluoranthene	UG/L	0.002	10 U	NA	10 U	10 U	10 U
Chrysene	UG/L	0.002	10 U	NA	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 UJ	NA	10 UJ	10 UJ	10 UJ
Fluoranthene	UG/L	50	10 U	NA	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	NA	10 U	6 J	6 J
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 UJ	NA	10 UJ	10 UJ	10 UJ
Naphthalene	UG/L	10	10 U	NA	10 U	10 U	10 U
Phenanthrene	UG/L	50	10 U	NA	10 U	5 J	5 J
Pyrene	UG/L	50	10 U	NA	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

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UJ - Not detected. The reported quantitation limit is an estimated value.

D - Result reported from a secondary dilution analysis.

Made By_PRF 12/19/08_; Checked By_AMK 021009_

Detection Limits shown are PQL

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[LOGDATE] BETWEEN #10/16/2008# AND #10/26/2008# AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'WG'

TABLE A-1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2008
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			HIMW-015D	HIMW-015I	HIMW-015I
Sample ID			HIMW-15D	DUP2-102308	HIMW-15I
Matrix			Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-
Date Sampled			10/22/08	10/23/08	10/23/08
Parameter	Units	Criteria*		Field Duplicate (1-1)	
Volatile Organic Compounds					
Benzene	UG/L	1	1 U	8	7
Ethylbenzene	UG/L	5	1 U	1 U	1 U
Toluene	UG/L	5	1 U	1 U	1 U
Xylene (total)	UG/L	5	1 UJ	1 UJ	1 U
Semivolatile Organic Compounds					
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U
Acenaphthene	UG/L	20	10 U	2 J	2 J
Acenaphthylene	UG/L	-	10 U	4 J	5 J
Anthracene	UG/L	50	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	-	10 UJ	10 UJ	10 UJ
Benzo(k)fluoranthene	UG/L	0.002	10 U	10 U	10 U
Chrysene	UG/L	0.002	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	-	10 UJ	10 UJ	10 UJ
Fluoranthene	UG/L	50	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 UJ	10 UJ	10 UJ
Naphthalene	UG/L	10	10 U	10 U	10 U
Phenanthrene	UG/L	50	10 U	10 U	10 U
Pyrene	UG/L	50	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

(8) (7) Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.

UJ - Not detected. The reported quantitation limit is an estimated value.

D - Result reported from a secondary dilution analysis.

Made By_PRF 12/19/08_; Checked By_AMK 021009_

Detection Limits shown are PQL

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[LOGDATE] BETWEEN #10/15/2008# AND #10/28/2008# AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'WG'

TABLE A-2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
4TH QUARTER 2008
NATIONAL GRID - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE

Location ID			FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID			TRIP BLANK 101608	TRIP BLANK 102108A	TRIP BLANK 102108B	FB 102808
Matrix			Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)			-	-	-	-
Date Sampled			10/16/08	10/21/08	10/21/08	10/28/08
Parameter	Units	Criteria*	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Field Blank (1-1)
Volatile Organic Compounds						
Benzene	UG/L	1	1 U	1 U	1 U	1 U
Ethylbenzene	UG/L	5	1 U	1 U	1 U	1 U
Toluene	UG/L	5	1 U	1 U	1 U	1 U
Xylene (total)	UG/L	5	1 U	1 UJ	1 UJ	1 U
Semivolatile Organic Compounds						
2-Methylnaphthalene	UG/L	-	NA	NA	NA	10 U
Acenaphthene	UG/L	20	NA	NA	NA	10 U
Acenaphthylene	UG/L	-	NA	NA	NA	10 U
Anthracene	UG/L	50	NA	NA	NA	10 U
Benzo(a)anthracene	UG/L	0.002	NA	NA	NA	10 U
Benzo(a)pyrene	UG/L	ND	NA	NA	NA	10 U
Benzo(b)fluoranthene	UG/L	0.002	NA	NA	NA	10 U
Benzo(g,h,i)perylene	UG/L	-	NA	NA	NA	10 U
Benzo(k)fluoranthene	UG/L	0.002	NA	NA	NA	10 U
Chrysene	UG/L	0.002	NA	NA	NA	10 U
Dibenz(a,h)anthracene	UG/L	-	NA	NA	NA	10 U
Fluoranthene	UG/L	50	NA	NA	NA	10 U
Fluorene	UG/L	50	NA	NA	NA	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	NA	NA	NA	10 U
Naphthalene	UG/L	10	NA	NA	NA	10 U
Phenanthrene	UG/L	50	NA	NA	NA	10 U
Pyrene	UG/L	50	NA	NA	NA	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit.

UJ - Not detected. The reported quantitation limit is an estimated value.

NA - The sample was not analyzed for this parameter.

Made By_PRF 12/19/08_; Checked By_AMK 021009_

Detection Limits shown are PQL

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[LOGDATE] BETWEEN #10/16/2008# AND #10/26/2008# AND ([SACODE] = 'TB' OR [SACODE] = 'FB') AND [MATRIX] = 'WQ'

APPENDIX A

VALIDATED FORM I'S

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-08D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812234-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61504.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. Date Analyzed: 10/17/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS034 S29

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-08D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812509-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43401.D

Level: (low/med) LOW Date Received: 10/23/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U ↓
191-24-2	Benzo(g,h,i)perylene	10	U ↓

(1) Cannot be separated from Diphenylamine

12/18/08

KEY-URS034 S48

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-14D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812234-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61505.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. Date Analyzed: 10/17/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS034 S30

1C

EPA SAMPLE NO.

HIMW-14D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812509-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43402.D

Level: (low/med) LOW Date Received: 10/23/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

12/18/08

KEY-URS034 S49

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB 101608

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812234-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61506.D

Level: (low/med) LOW Date Received: 10/16/08

% Moisture: not dec. Date Analyzed: 10/17/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS034 S31

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP1-102108

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61694.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: not dec. Date Analyzed: 10/29/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	65	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	5	
1330-20-7	Xylene (total)	3	J

12/18/08

KEY-URS034 S32

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP1-102108

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43392.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	19	
83-32-9	Acenaphthene	12	
86-73-7	Fluorene	6	J
85-01-8	Phenanthrene	5	J
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U ↓
191-24-2	Benzo(g,h,i)perylene	10	U ↓

(1) Cannot be separated from Diphenylamine

12/18/08

KEY-URS034 S33

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-03D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61695.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: not dec. Date Analyzed: 10/29/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	UJ

12/18/08 2

KEY-URS034 S34

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-03D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43393.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U ↓
191-24-2	Benzo(g,h,i)perylene	10	U ↓

(1) Cannot be separated from Diphenylamine

12/15/08

KEY-URS034 S35

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61696.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: not dec. Date Analyzed: 10/29/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U J

12/18/08

KEY-URS034 S36

1C

EPA SAMPLE NO.

HIMW-05D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43394.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U ↓
191-24-2	Benzo(g,h,i)perylene	10	U ↓

(1) Cannot be separated from Diphenylamine

12/18/08

KEY-URS034 S37

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-12D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61697.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: not dec. Date Analyzed: 10/29/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U J

12/18/08

KEY-URS034 S38

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-12D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43395.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U ↓
191-24-2	Benzo(g,h,i)perylene	10	U ↓

(1) Cannot be separated from Diphenylamine

12/18/08 JV

KEY-URS034 S39

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-13D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61698.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: not dec. Date Analyzed: 10/29/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	3	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	2	J

12/1/08

KEY-URS034 S40

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-005B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43396.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

12/18/08

KEY-URS034 S41

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-14I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61699.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: not dec. Date Analyzed: 10/29/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	66	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	5	
1330-20-7	Xylene (total)	3	J

12/15/08

KEY-URS034 S42

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-14I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-006B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43397.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	17	
83-32-9	Acenaphthene	11	
86-73-7	Fluorene	6	J
85-01-8	Phenanthrene	5	J
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U ↓
191-24-2	Benzo(g,h,i)perylene	10	U ↓

(1) Cannot be separated from Diphenylamine

12/18/08

KEY-URS034 S43

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 102108-1

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812393-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61700.D

Level: (low/med) LOW Date Received: 10/21/08

% Moisture: not dec. Date Analyzed: 10/29/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U J

12/18/08

KEY-URS034 S44

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-03I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812509-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61701.D

Level: (low/med) LOW Date Received: 10/23/08

% Moisture: not dec. Date Analyzed: 10/30/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U J

12/16/08

KEY-URS034 S45

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-03I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812509-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43398.D

Level: (low/med) LOW Date Received: 10/23/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

12/18/08

KEY-URS034 S46

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-15D

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812509-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61704.D

Level: (low/med) LOW Date Received: 10/23/08

% Moisture: not dec. Date Analyzed: 10/30/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U J

12/15/08

KEY-URS034 S47

1C

EPA SAMPLE NO.

HIMW-15D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812509-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43403.D

Level: (low/med) LOW Date Received: 10/23/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) Cannot be separated from Diphenylamine

12/18/08

KEY-URS034 S50

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB 102108-2

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Matrix: (soil/water) WATER Lab Sample ID: 0812509-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61705.D

Level: (low/med) LOW Date Received: 10/23/08

% Moisture: not dec. Date Analyzed: 10/30/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U J

12/18/08

KEY-URS034 S51

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP2-102308

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61706.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: not dec. Date Analyzed: 10/30/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	8	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U J

12/19/08

KEY-URS036 S26

1C

EPA SAMPLE NO.

DUP2-102308

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43409.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	4	J
83-32-9	Acenaphthene	2	J
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S27

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-03S

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61766.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: not dec. Date Analyzed: 11/03/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS036 S28

1C

EPA SAMPLE NO.

HIMW-03S

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43410.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S29

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-05I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61707.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: not dec. Date Analyzed: 10/30/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	2	
108-88-3	Toluene	2	
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	170	J

12/19/08

KEY-URS036 S30

1C

EPA SAMPLE NO.

HIMW-05I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43413.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
~~91-20-3~~	~~Naphthalene~~	~~710~~	~~E~~
~~91-57-6~~	~~2-Methylnaphthalene~~	~~190~~	~~E~~
~~208-96-8~~	~~Acenaphthylene~~	~~97~~	~~E~~
83-32-9	Acenaphthene	8	J
86-73-7	Fluorene	12	
85-01-8	Phenanthrene	8	J
120-12-7	Anthracene	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U |
191-24-2	Benzo(g,h,i)perylene	10	U +

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S31

1C

EPA SAMPLE NO.

HIMW-05IDL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-003BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43422.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/31/08

Injection Volume: 2 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	1100	D
91-57-6	2-Methylnaphthalene	220	D
208-96-8	Acenaphthylene	130	DJ
~~83-32-9~~	~~Acenaphthene~~	~~200~~	~~U~~
86-73-7	Fluorene	200	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
56-55-3	Benzo(a)anthracene	200	U
218-01-9	Chrysene	200	U
205-99-2	Benzo(b)fluoranthene	200	U
207-08-9	Benzo(k)fluoranthene	200	U
50-32-8	Benzo(a)pyrene	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	U
53-70-3	Dibenzo(a,h)anthracene	200	U
~~191-24-2~~	~~Benzo(g,h,i)perylene~~	~~200~~	~~U~~

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S32

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-05S

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61769.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: not dec. Date Analyzed: 11/03/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS036 S33

1C

EPA SAMPLE NO.

HIMW-05S

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43414.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S34

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-08I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61770.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: not dec. Date Analyzed: 11/03/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS036 S35

1C

EPA SAMPLE NO.

HIMW-08I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-005B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43415.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S36

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-08S

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61771.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: not dec. Date Analyzed: 11/03/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS036 S37

1C

EPA SAMPLE NO.

HIMW-08S

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-006B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43416.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	1	J
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S38

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-12S

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61772.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: not dec. Date Analyzed: 11/03/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS036 S39

1C

EPA SAMPLE NO.

HIMW-12S

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-007B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43417.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S40

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-13S

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61773.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: not dec. Date Analyzed: 11/03/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS036 S41

1C

EPA SAMPLE NO.

HIMW-13S

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-008B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43418.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U |
191-24-2	Benzo(g,h,i)perylene	10	U |

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S42

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-15I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61774.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: not dec. Date Analyzed: 11/03/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	7	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS036 S43

1C

EPA SAMPLE NO.

HIMW-15I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812555-009B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43419.D

Level: (low/med) LOW Date Received: 10/24/08

% Moisture: Decanted: (Y/N) N Date Extracted: 10/29/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	5	J
83-32-9	Acenaphthene	2	J
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

12/19/08

KEY-URS036 S44

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 102808

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812650-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61866.D

Level: (low/med) LOW Date Received: 10/28/08

% Moisture: not dec. Date Analyzed: 11/07/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U

KEY-URS036 S45

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FB 102808

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812650-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43474.D

Level: (low/med) LOW Date Received: 10/28/08

% Moisture: Decanted: (Y/N) N Date Extracted: 11/04/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/06/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

KEY-URS036 S46

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-12I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812650-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61867.D

Level: (low/med) LOW Date Received: 10/28/08

% Moisture: not dec. Date Analyzed: 11/07/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	42	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	3	
1330-20-7	Xylene (total)	12	

KEY-URS036 S47

1C

EPA SAMPLE NO.

HIMW-12I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812650-002B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43475.D

Level: (low/med) LOW Date Received: 10/28/08

% Moisture: Decanted: (Y/N) N Date Extracted: 11/04/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/06/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	7	J
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	42	
83-32-9	Acenaphthene	36	
86-73-7	Fluorene	26	
85-01-8	Phenanthrene	7	J
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13I

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812650-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A61868.D

Level: (low/med) LOW Date Received: 10/28/08

% Moisture: not dec. Date Analyzed: 11/07/08

GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	34	
108-88-3	Toluene	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	4	

KEY-URS036 S49

1C

EPA SAMPLE NO.

HIMW-13I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Matrix: (soil/water) WATER Lab Sample ID: 0812650-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C43476.D

Level: (low/med) LOW Date Received: 10/28/08

% Moisture: Decanted: (Y/N) N Date Extracted: 11/04/08

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/06/08

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
91-20-3	Naphthalene	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	44	
83-32-9	Acenaphthene	7	J
86-73-7	Fluorene	13	
85-01-8	Phenanthrene	8	J
120-12-7	Anthracene	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

APPENDIX B

SUPPORT DOCUMENTATION

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 10/16/08, 10/21/08 & 10/23/08
SDG #: KEY-URS034

For Samples:

HIMW-08D	HIMW-13D
HIMW-14D	HIMW-14I
TB	TB
DUP1-102108	HIMW-03I
HIMW-03D	HIMW-15D
HIMW-05D	TRIP BLANK 102108
HIMW-12D	

The above sample was analyzed for a select list of volatile organic analytes by EPA method 8260B.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample HIMW-03I was analyzed as the matrix / matrix spike duplicate. All percent recoveries and RPD's were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 6, 2008

****
* *
* *
****
Joann M. Slavin
Senior Vice President

KEY-URS034 A3

H2M LABS, INC.

SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLES RECEIVED: 10/21/08 & 10/23/08
SDG #: KEY-URS034

For Samples:

DUP1-102108	HIMW-14I
HIMW-03D	HIMW-03I
HIMW-05D	HIMW-08D
HIMW-12D	HIMW-14D
HIMW-13D	HIMW-15D

The above water samples were analyzed for a specific list of semivolatile organic analytes by EPA method 8270C.

All QC data and calibrations met the requirements of the method and no problems were encountered with sample analysis. The following should be noted:

Sample HIMW-03I was analyzed as the matrix spike / matrix spike duplicate. All percent recoveries and RPD's were met.

A lab-fortified blank was analyzed and indicates good method efficiency.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 4, 2008

****
* *
* *
****
Joann M. Slavin
Senior Vice President

KEY-URS034 A4

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

24668

EXTERNAL CHAIN OF CUSTODY

CLIENT: URS

H2M SDG NO: KEY-URS034

PROJECT NAME/NUMBER: Mike Akerbergs

SAMPLERS: (signature) Client: [signature] / URS

DELIVERABLES: full Cat B

TURNAROUND TIME: stnd

NOTES:

Project Contact: Mike Akerbergs 973-785-0702

Phone Number:

PIS/Quote #

Sample Container Description: 40 ml HCL clear glass

Total No. of Containers

ANALYSIS REQUESTED

ORGANIC: BTEX VOA | BNA | Pest/PCB

INORG.: Metal | CN

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	BTEX VOA	BNA	Pest/PCB	Metal	CN	LAB I.D. NO.	REMARKS:
10/16/08	0945	GW	HJMW-08D	2	✓					0812234-001A	
10/16/08	1250	GW	HJMW-14D	2	✓					-002A	
			TB	2						-003A	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/16/08	13:30	[signature]	10-16-08	13:30
[signature]	10-16-08	2:35	[signature]	101608	1425

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

Samples were:
1. Shipped ___ or Hand Delivered ✓ Airbill# _____
2. Ambient or chilled, Temp _____
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

KEY URS034 PA10

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

24669

EXTERNAL CHAIN OF CUSTODY

CLIENT: URS

H2M SDG NO: KEY-URS034

PROJECT NAME/NUMBER: National Grid / 11175065

SAMPLERS: (signature)/Client: Gary Friedman 646 739 0091

DELIVERABLES: Full Cat B

TURNAROUND TIME: Stnd

NOTES:

Project Contact: Mike Akerbergs

Phone Number: 973 785 0700

PIS/Quote #

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10/20/08	1200	GW	HIMW-05D	4	2	2				08 12393-003AB	
10/21/08	0900	GW	HIMW-03D							-002	
10/21/08	1030	GW	HIMW-13D							-005	
10/21/08	1205	GW	HIMW-12D							-004	
10/21/08	1445	GW	HIMW-14I	4	2	2				-006	
10/21/08	1300	DUP	DUP1-102108	4	2	2				-001	
			TB							-007A	

ANALYSIS REQUESTED

Sample Container Description: 40 ml Clear Vac Glass; 1L Amber Glass

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/21/08	15.13	S.Wall	10.21.08	15.13
S.Wall	10-21-08	16.20		10/21/08	1620

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

Samples were:
1. Shipped ___ or Hand Delivered ✓ Airbill# _____
2. Ambient or chilled, Temp. _____
3. Received in good condition: (Y) or N
4. Properly preserved: (Y) or N

COC Tape was:
1. Present on outer package: Y or (N)
2. Unbroken on outer package: Y or (N)
3. COC record present & complete upon sample receipt: (Y) or N

KEY-URS034 ORIGINAL

WHITE COPY - ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

24670

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

CLIENT: URS

H2M SDG NO: KEY-URS 034

PROJECT NAME/NUMBER: National Grid (Keyspan) / 11175065

SAMPLERS: (signature)/Client: Cary Fink 646 739 0094 / URS

DELIVERABLES:

TURNAROUND TIME:

NOTES: *HIMW-08D
HIMW-14D
2 1L Amber glass. Voa already sent to lab

Project Contact: Mike Averbergs 973 785 0700

Phone Number: 973 785 0700

PIS/Quote #

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40 ml clear glass HCl	Sample Container Description: 1L Amber Glass	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10/21/08	1600	GW	HIMW-14D *	2		2						08125 89-003 B	
10/22/08	0940	GW	HIMW-15D	4	2	2						-004 AB	
10/22/08	1350	GW	HIMW-03I	4	2	2						-001 AB	
10/22/08	1515	GW	HIMW-08D *	2		2						-002 B	
10/22/08	1350	GW	HIMW-03I MS	4	2	2						-001 AB	
10/22/08	1350	GW	HIMW-03I MSD	4	2	2						-001 ↓	
10/21/08	—	TB	TRIPBLANK 102108	2	2								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Megan Daniel	10/23/08	1458	S. Wad	10.23.08	14.58
S. Wad	10-23-08	16.15	Erik Lupinski	10/23/08	1615

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped___ or Hand Delivered ✓ Airbill# _____
2. Ambient or chilled, Temp_____
3. Received in good condition? (Y) or N
4. Properly preserved: (Y) or N

COC Tape was:
1. Present on outer package: Y or (N)
2. Unbroken on outer package: Y or (N)
3. COC record present & complete upon sample receipt: (Y) or N

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

KEY-URS034 A20

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Lab File ID: A\A61685.D BFB Injection Date: 10/29/08

Instrument ID: HP5971 BFB Injection Time: 15:16

GC Column: ZB-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	50.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	Greater than 50.0% of mass 95	77.4
175	5.0 - 9.0% of mass 174	5.5 (7.1)1
176	95.0 - 101.0% of mass 174	76.6 (99.0)1
177	5.0 - 9.0% of mass 176	5.0 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A61686.D	10/29/08	15:31
02	VBLK102908	VBLK102908	A\A61687.D	10/29/08	16:07
03	LFB102908	LFB102908	A\A61688.D	10/29/08	16:36
04	DUP1-102108	0812393-001A	A\A61694.D	10/29/08	19:28
05	HIMW-03D	0812393-002A	A\A61695.D	10/29/08	21:14
06	HIMW-05D	0812393-003A	A\A61696.D	10/29/08	21:42
07	HIMW-12D	0812393-004A	A\A61697.D	10/29/08	22:11
08	HIMW-13D	0812393-005A	A\A61698.D	10/29/08	22:40
09	HIMW-14I	0812393-006A	A\A61699.D	10/29/08	23:08
10	TB 102108-1	0812393-007A	A\A61700.D	10/29/08	23:37
11	HIMW-03I	0812509-001A	A\A61701.D	10/30/08	0:06
12	HIMW-03IMS	0812509-001AMS	A\A61702.D	10/30/08	0:34
13	HIMW-03IMSD	0812509-001AMSD	A\A61703.D	10/30/08	1:03
14	HIMW-15D	0812509-004A	A\A61704.D	10/30/08	1:31
15	TB 102108-2	0812509-005A	A\A61705.D	10/30/08	2:00

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Instrument ID: HP5971 Calibration Date: 10/29/08 Time: 15:31

Lab File ID: A\A61686.D Init. Calib. Date(s): 08/26/08 08/26/08

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 12:00 17:23

Heated Purge: (Y/N) N

GC Column: ZB-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzene	1.818	1.942		6.8	
Toluene	2.089	2.187		4.7	20.0
Ethylbenzene	0.682	0.798		17.0	20.0
Xylene (total)	0.843	1.028		21.9	

All other compounds must meet a minimum RRF of 0.010.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Lab File ID: A\C43388.D DFTPP Injection Date: 10/29/08

Instrument ID: HP5972 DFTPP Injection Time: 11:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	67.4
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	50.2
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	16.5
365	Greater than 1.0% of mass 198	1.6
441	Present, but less than mass 443	1.6
442	40.0 - 110.0% of mass 198	54.1
443	17.0 - 23.0% of mass 442	10.4 (19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	A\C43389.D	10/29/08	11:42
02	MB-28776	MB-28776	A\C43390.D	10/29/08	12:14
03	DUP1-102108	0812393-001B	A\C43392.D	10/29/08	13:16
04	HIMW-03D	0812393-002B	A\C43393.D	10/29/08	13:47
05	HIMW-05D	0812393-003B	A\C43394.D	10/29/08	14:18
06	HIMW-12D	0812393-004B	A\C43395.D	10/29/08	14:49
07	HIMW-13D	0812393-005B	A\C43396.D	10/29/08	15:20
08	HIMW-14I	0812393-006B	A\C43397.D	10/29/08	15:51
09	HIMW-03I	0812509-001B	A\C43398.D	10/29/08	16:22
10	HIMW-03IMS	0812509-001BMS	A\C43399.D	10/29/08	16:52
11	HIMW-03IMSD	0812509-001BMSD	A\C43400.D	10/29/08	17:23
12	HIMW-08D	0812509-002B	A\C43401.D	10/29/08	17:54
13	HIMW-14D	0812509-003B	A\C43402.D	10/29/08	18:25
14	HIMW-15D	0812509-004B	A\C43403.D	10/29/08	18:56
15	LFB-28763	LFB-28763	A\C43404.D	10/29/08	19:27

KEY-URS034 B8

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS034

Instrument ID: HP5972 Calibration Date: 10/29/08 Time: 11:42

Lab File ID: A\C43389.D Init. Calib. Date(s): 10/20/08 10/20/08

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 15:54 18:59

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Naphthalene	1.084	1.060		-2.2	
2-Methylnaphthalene	0.652	0.629		-3.5	
Acenaphthylene	1.943	1.818		-6.5	
Acenaphthene	1.206	1.123		-6.9	20.0
Fluorene	1.332	1.260		-5.4	
Phenanthrene	1.328	1.297		-2.3	
Anthracene	1.363	1.328		-2.6	
Fluoranthene	1.017	1.044		2.7	20.0
Pyrene	1.910	1.848		-3.3	
Benzo(a)anthracene	1.364	1.384		1.5	
Chrysene	1.307	1.323		1.2	
Benzo(b)fluoranthene	1.707	1.700		-0.4	
Benzo(k)fluoranthene	1.207	1.359		12.6	
Benzo(a)pyrene	1.339	1.277		-4.6	20.0
Indeno(1,2,3-cd)pyrene	1.402	0.804		-42.7	
Dibenzo(a,h)anthracene	1.201	0.721		-40.0	
Benzo(g,h,i)perylene	1.211	0.573		-52.7	

All other compounds must meet a minimum RRF of 0.010.

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 10/24/08 & 10/28/08
SDG #: KEY-URS036

For Samples:

DUP2-102308	HIMW-12S
HIMW-03S	HIMW-13S
HIMW-05I	HIMW-15I
HIMW-05S	FB 102808
HIMW-08I	HIMW-12I
HIMW-08S	HIMW-13I

The above sample was analyzed for a select list of volatile organic analytes by EPA method 8260B.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample HIMW-03S was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met except for a high RPD for benzene.
- Lab fortified blanks were analyzed and indicate good method efficiency.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 12, 2008

****
* *
* *
****
Joann M. Slavin
Senior Vice President

KEY-URS036 A3

H2M LABS, INC.

SDG NARRATIVE FOR SEMIVOLATILE ANALYSES
SAMPLES RECEIVED: 10/24/08 & 10/28/08
SDG #: KEY-URS036

For Samples:

DUP2-102308	HIMW-12S
HIMW-03S	HIMW-13S
HIMW-05I	HIMW-15I
HIMW-05S	FB 102808
HIMW-08I	HIMW-12I
HIMW-08S	HIMW-13I

The above water samples were analyzed for a specific list of semivolatile organic analytes by EPA method 8270C.

All QC data and calibrations met the requirements of the method and no problems were encountered with sample analysis. The following should be noted:

Sample HIMW-03S was analyzed as the matrix spike/matrix spike duplicate sample. All percent recoveries and RPD's were met. Lab fortified blanks were analyzed and indicate good method efficiency. Sample HIMW-05I was reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: November 7, 2008

****
* *
* *
****
Joann M. Slavin
Senior Vice President

KEY-URS036 A4

H2M LABS, INC.

24673

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

CLIENT: URS

H2M SDG NO: KEYUES036

PROJECT NAME/NUMBER: National Grid (Keyspan) 11175065

SAMPLERS: (signature)/Client: URS

DELIVERABLES: Full Cat B

TURNAROUND TIME: Stnd

NOTES: Page 1 of 1 for 2 coolers

Project Contact: Mike Akerbergs

Phone Number: 973 785 0700

PIS/Quote #

Sample Container Description: 40ml Clear glass HCL; 1L Amber Glass

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10/23/08	0950	GW	HIMW-15I	4	2	2				0812555-004AB	
10/23/08	1120	GW	HIMW-08I	4	2	2				-005AB	
10/23/08	1305	GW	HIMW-05I	4	2	2				-003AB	
10/23/08	0900	GW	DUP2-102308	4	2	2				-001AB	
10/23/08	1440	GW	HIMW-03S	4	2	2				-002AB	
10/23/08	1440	GW	HIMW-03S MS	4	2	2				-	
10/23/08	1440	GW	HIMW-03S MSD	4	2	2				-	

	Date	Time		Date	Time
Relinquished by: (Signature)	10/24/08	14.48	Received by: (Signature) S.W	10.24.08	14.48
Relinquished by: (Signature) S.W	10.24.08	16.05	Received by: (Signature)	10/24/08	1605
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

Samples were:
1. Shipped ___ or Hand Delivered ✓ Airbill# ___
2. Ambient or chilled, Temp ___
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:
1. Present on outer package: Y or (N)
2. Unbroken on outer package: Y or (N)
3. COC record present & complete upon sample receipt: Y or N

KEYUES036 ORIGINAL — WHITE COPY — YELLOW COPY - CLIENT — PINK COPY - LABORATORY

H2M LABS, INC.

24672

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

CLIENT: URS

H2M SDG NO: KEY-URS036

PROJECT NAME/NUMBER: National Grid (Keyspan) / 111750065

SAMPLERS: (signature)/Client: URS

DELIVERABLES: Full Cat B

TURNAROUND TIME: Stnd

NOTES: page 2 of 2 for 2 coolers

Project Contact: Mike Akerbergs

Phone Number: 973 785 0700

PIS/Quote #

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10/24/08	0855	GW	HJMW-085	4	2	2				OX12555-006AB	
10/24/08	1030	GW	HJMW-105	4	2	2				-007AB	
10/24/08	1215	GW	HJMW-055	4	2	2				-004AB	
10/24/08	1355	GW	HJMW-135	4	2	2				-008	

Sample Container Description: 40ml clear glass HCL; 1L amber glass

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/24/08	14.48	S. Weil	10.24.08	14.48
S. Weil	10-24-08	16.05		10/24/08	1605

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

Samples were:
1. Shipped ___ or Hand Delivered ✓ Airbill# _____
2. Ambient or chilled, Temp _____
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

KEY-URS036 ORIGINAL — YELLOW COPY - CLIENT — PINK COPY - LABORATORY

H2M LABS, INC.

24671

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

CLIENT: URS

H2M SDG NO: KEY-URS 036

PROJECT NAME/NUMBER: National Grid / 11175065 (Keyspan)

SAMPLERS: (signature)/Client: URS 646 739 0054

DELIVERABLES: Full Cat B

TURNAROUND TIME: Std

NOTES:

Project Contact: Mike Akerbergs

Phone Number: 973 785 0700

PIS/Quote #

Sample Container Description: 40 ml Clear glass (HCL) | Amber glass 1L

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10/28/08	1005	GW	NIMW-13I	4	2	2				08 12650-003AB	
10/28/08	1250	GW	HIMW-12I	4	2	2				-002AB	
10/28/08	1300	DI	FB	4	2	2				-001AB	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10-28-08	13.05	S. Weed	10-28-08	13.05
S. Weed	10-28-08	15.58		10/28/08	1558
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped ___ or Hand Delivered ___ Airbill# _____
2. Ambient or chilled, Temp _____
3. Received in good condition: (Y) or N
4. Properly preserved (Y) or N

COC Tape was:
1. Present on outer package: Y or (N)
2. Unbroken on outer package: Y or (N)
3. COC record present & complete upon sample receipt: (Y) or N

KEY-URS036 ORIGINAL — YELLOW COPY - CLIENT — PINK COPY - LABORATORY

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Lab File ID: A\C43405.D DFTPP Injection Date: 10/30/08

Instrument ID: HP5972 DFTPP Injection Time: 14:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	66.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.6
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	17.3
365	Greater than 1.0% of mass 198	1.9
441	Present, but less than mass 443	8.7
442	40.0 - 110.0% of mass 198	56.6
443	17.0 - 23.0% of mass 442	10.6 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	A\C43406.D	10/30/08	14:56
02	MB-28810	MB-28810	A\C43407.D	10/30/08	16:32
03	LFB-28810	LFB-28810	A\C43408.D	10/30/08	17:03
04	DUP2-102308	0812555-001B	A\C43409.D	10/30/08	17:34
05	HIMW-03S	0812555-002B	A\C43410.D	10/30/08	18:04
06	HIMW-03SMS	0812555-002BMS	A\C43411.D	10/30/08	18:35
07	HIMW-03SMSD	0812555-002BMSD	A\C43412.D	10/30/08	19:06
08	HIMW-05I	0812555-003B	A\C43413.D	10/30/08	19:37
09	HIMW-05S	0812555-004B	A\C43414.D	10/30/08	20:08
10	HIMW-08I	0812555-005B	A\C43415.D	10/30/08	20:38
11	HIMW-08S	0812555-006B	A\C43416.D	10/30/08	21:09
12	HIMW-12S	0812555-007B	A\C43417.D	10/30/08	21:40
13	HIMW-13S	0812555-008B	A\C43418.D	10/30/08	22:11
14	HIMW-15I	0812555-009B	A\C43419.D	10/30/08	22:41

KEY-URS036 B10

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: KEY-URS SAS No.: _____ SDG No.: KEY-URS036

Instrument ID: HP5972 Calibration Date: 10/30/08 Time: 14:56

Lab File ID: A\C43406.D Init. Calib. Date(s): 10/20/08 10/20/08

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 15:54 18:59

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Naphthalene	1.084	1.023		-5.6	
2-Methylnaphthalene	0.652	0.617		-5.3	
Acenaphthylene	1.943	1.749		-10.0	
Acenaphthene	1.206	1.121		-7.1	20.0
Fluorene	1.332	1.241		-6.8	
Phenanthrene	1.328	1.265		-4.8	
Anthracene	1.363	1.292		-5.2	
Fluoranthene	1.017	1.019		0.2	20.0
Pyrene	1.910	1.853		-3.0	
Benzo(a)anthracene	1.364	1.382		1.3	
Chrysene	1.307	1.409		7.8	
Benzo(b)fluoranthene	1.707	1.757		2.9	
Benzo(k)fluoranthene	1.207	1.217		0.8	
Benzo(a)pyrene	1.339	1.284		-4.1	20.0
Indeno(1,2,3-cd)pyrene	1.402	0.772		-44.9	
Dibenzo(a,h)anthracene	1.201	0.689		-42.6	
Benzo(g,h,i)perylene	1.211	0.523		-56.8	

All other compounds must meet a minimum RRF of 0.010.