

# 2007 Annual Groundwater Sampling and NAPL Monitoring/Recovery Report for the Hempstead Intersection Street Former Manufactured Gas Plant Site Villages of Garden City & Hempstead Long Island, New York



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February 2008

**2007 ANNUAL GROUNDWATER SAMPLING AND  
NAPL MONITORING/RECOVERY REPORT**

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

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**HEMPSTEAD INTERSECTION STREET**

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## **1.0 INTRODUCTION**

This report summarizes the potentiometric head measurements, product thickness measurements, and ground water quality sampling performed in the second, third and fourth quarters of 2007 at the Hempstead Intersection Street Former MGP Site (Site). In addition, it presents results of the free product recovery activities conducted throughout 2007.

The Site location is shown on Figures 1 and 2.

The URS quarterly data acquisition effort for the Site was initiated in April 2007. The objective of the quarterly rounds of sampling is to establish the current baseline of groundwater quality within the area covered by the existing network of monitoring wells installed as part of the Remedial Investigation. A quarterly report covering the second and third quarters of 2007 was issued by URS in November 2007 (*Groundwater Sampling and NAPL Monitoring/Recovery Report for the Second and Third Quarters of 2007*, URS Corporation, November 2007). Results of the fourth quarter activities have not been presented in a separate quarterly report, instead, they are included in this annual report.

In addition to presenting data acquired by URS in 2007, the report also includes a summary of the previous groundwater quality sampling and product recovery efforts, conducted by others in 2001 and 2003.

## **2.0 FIELD INVESTIGATION ACTIVITIES**

The field activities performed by URS consisted of the following tasks:

- Measuring water and product levels in the Site's monitoring wells.
- Collecting samples of ground water from the Site's monitoring wells.
- Recovering product from accessible monitoring wells that contain measurable product.

See Table 1 for the list of wells included in the field activities.

## **2.1 Ground Water Level and Product Thickness**

Depth to groundwater is measured with a manual water level indicator. Measurements of product thickness are performed using two methods: an oil/water interface probe and a weighted string coated with oil indicator paste.

During the second and third quarters, measurements were taken in all accessible Site monitoring wells. During the fourth quarter, measurements were conducted only in those wells where groundwater quality samples were collected, as part of the purging activities performed prior to sampling.

Wells used for the water/product monitoring are listed in Table 1. Depths to groundwater and the product thicknesses were measured in 53 monitoring wells during the second quarter (April 15, 2007), 50 wells during the third quarter (July 15, 2007) and 19 wells during the fourth quarter (October 15 - 23, 2007).

## **2.2 Ground Water Sampling**

Low-flow groundwater sampling methods and procedures are used to sample the monitoring wells in this period. Low-flow sampling involves a relatively low (between 250 and 500 milliliters a minute) known fixed pumping rate established by the sampler. This is accomplished using a Grundfos Redi-Flow 2 pump that includes a regulator to control the power output of the pump, and also controls the flow rate. The flow rate is established by timing the flow into a graduated cylinder over a known unit of time. Low-flow sampling also involves monitoring several water quality parameters for stabilization. These parameters include; pH, conductivity, turbidity, dissolved oxygen (DO), and oxidation reduction potential (ORP). Stabilization is achieved when three consecutive readings over a fixed time period (15 minutes in this case) are consistent within a given percent (usually 10 percent). Once stabilization has occurred, analytical sampling can begin.

All activities reported in this summary report are conducted under a Health and Safety Plan developed in accordance with Occupational Safety and Health Administration (OSHA) requirements. Groundwater sampling is performed using modified Level D Health and Safety personal protective equipment (PPE).

Only wells without free product are included in this quarterly sampling program. During the pre-sampling purging activities, measurements are taken to confirm that product is not present.

In 2007, groundwater samples were collected from 46 wells during the second and third quarters (April 4 - 17, 2007 and July 24 - August 6, 2007, respectively), and from 18 wells during the fourth quarter (October 15 - 23, 2007). The wells are listed in Table 1.

### **2.3 Product Recovery**

Recovery of dense non-aqueous phase liquid (DNAPL) from the wells at the site is conducted using the appropriate PPE. First, all accessible wells included in the recovery program are gauged using an oil/water interface probe. Gauging the wells is used 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 found to contain DNAPL are also gauged with a weighted cotton string to confirm product level measurements. A Hammerhead pump is used to pump water and product from the bottom of the DNAPL-containing wells. Wells that do not contain DNAPL are not pumped. The Hammerhead pump uses compressed air (powered by a generator) to push water and product up the well through polyethylene tubing and into a container. Following that, the mixture is transferred from the container into a 55-gallon steel drum for subsequent disposal.

The quantity of the recovered product is estimated as the volume of product contained inside the well prior to pumping, based on the cross sectional area of the well screen multiplied by the measured NAPL thickness. Note that previously, the total volume of liquid pumped out of the well (both product and water) was reported. However, based on the experience acquired during the course of the program, the current method of using the in-well volume of NAPL appears to be more representative.

Unlike the monitoring of water and product levels, and the water quality sampling, product recovery is not conducted on a quarterly schedule. Instead, product is recovered once to twice each month, as shown in Table 1.

### **3.0 RESULTS**

This section presents results of the second, third and fourth quarter 2007 monitoring of the potentiometric heads, product thickness and groundwater quality sampling, as well as the results of the free product recovery efforts conducted throughout 2007.

#### **3.1 Potentiometric Heads and Product Thickness**

The depths to groundwater are presented in Table 2. Table 2 also contains potentiometric heads, including the calculation of the fluctuation observed in all monitoring wells throughout 2007. Correction of the potentiometric heads for the presence of LNAPL is performed in all wells where a layer of floating product has been found. The correction is based on the thickness of the floating product layer and the product density obtained from a product characterization sampling effort.

The potentiometric heads have been used to develop three contour maps for each quarterly round of sampling: the shallow ground water (wells screened up to 45 feet below ground surface, or bgs), intermediate ground water (wells screened between 45 and 95 feet bgs) and the deep ground water (wells screened at depths greater than 95 feet bgs). These contour maps are presented in Figures 3 through 5 (October 15 - 23, 2007; fourth quarter), Figures 6 through 8 (July 15, 2007; third quarter) and Figures 9 through 11 (April 15, 2007; second quarter).

As indicated previously, the full round of water/product measurements was not conducted during the fourth quarter. Water levels were measured only in the 19 wells that were used for the fourth quarter groundwater quality sampling round (October 15 - 23, 2007). Those wells did not contain product. However, information about product thickness is available for the product recovery activities that occurred on the 4<sup>th</sup> and 25<sup>th</sup> of October. By combining the data from the quarterly product/water monitoring round (October 15 - 23, 2007) and from the October 25, 2007 product recovery event, a fourth quarter product thickness map (Figure 12) was constructed. Product thickness maps for the third and second quarters, based on full monitoring rounds of July 15, 2007 and April 15, 2007, respectively, are shown on Figures 13 and 14.

#### **3.2 Groundwater Analytical Results**

Historically, the dissolved-phase contamination at this site has been defined by means of the total concentration of benzene, toluene, ethylbenzene and xylene (BTEX) and total

concentration of the polycyclic aromatic hydrocarbons (PAH). The BTEX and PAH data for the fourth quarter (October 15 - 23, 2007), third quarter (July 24 – August 6, 2007) and second quarter (April 4 – 17, 2007) sampling are summarized in Table 3, and presented on Figures 15 through 17, respectively. Table 3 also contains results of previous sampling rounds, included for the purpose of comparison.

Analytical results for the other miscellaneous parameters are presented in Table 4. These parameters of alkalinity, nitrite, nitrate, sulfate, heterotrophic plate count, total iron, dissolved iron, carbon dioxide and methane were obtained from seventeen wells during the second and third quarter sampling events.

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. The DUSRs are included in this report as Attachment A (provided only in the electronic version of this report). A limited data validation was performed on the samples collected following the guidelines in USEPA Region II documents. The review 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.

### **3.3 Product Recovery Volumes**

Volume of product recovered is presented in Table 5. Product thicknesses over time, as observed in the recovery wells prior to the recovery events, are presented in Figures 18 through 20.

### **3.4 Properties of Free Product**

NAPL recovered from nine monitoring wells and one piezometer in the first half of 2007 was analyzed for density and viscosity by an outside laboratory, with the results presented in

Attachment B. Wells HIMW-006S, HIMW-007S, HIMW-016S, HIMW-016I, HIMW-017S, HIMW-018S, HIMW-019S, and PZ-08 contained DNAPL, while both LNAPL and DNAPL were identified in well HIMW-001S. At the temperature of 70 degrees Fahrenheit, the specific gravity of the LNAPL was reported as 0.9541, and the kinematic viscosity was reported as 14.3 centistokes. The specific gravity and the kinematic viscosity at 100 degrees and at 130 degrees were 0.9482 and 7.77 centistokes; and 0.9408 and 4.84 centistokes, respectively. The ranges of values of the specific gravity of the DNAPL at 70 degrees, 100 degrees and 130 degrees were 1.029 to 1.082, 1.025 to 1.078 and 1.018 to 1.075, respectively. The corresponding values of the kinematic viscosity of DNAPL were 28.5 to 169 centistokes, 13.4 to 55.2 centistokes and 7.51 to 23.8 centistokes.

Potentiometric heads for all wells containing an LNAPL layer were corrected for the specific gravity of the LNAPL. The corrections were based on the measurement of density of an LNAPL sample collected from the monitoring well HIMW-001S. The pattern of change of the specific gravity with temperature obtained from the analysis was extrapolated to the temperature of 55 degrees, prevailing in the aquifer, to arrive at the value of the specific gravity of LNAPL of approximately 0.96.

In April 2007, a product sample from the monitoring well HIMW-011S was collected for a fingerprint analysis. Results are presented in Attachment B. The well is located between the Site and the property used by the Oswego Oil Company. The analysis of the sample indicated that the product present in the monitoring well HIMW-011S closely resembles the #2 fuel oil.

#### **4.0 DATA SUMMARY AND INTERPRETATION**

This section contains a summary of the second, third and fourth quarter 2007 data on potentiometric heads, product thicknesses and water quality at the Site. It also presents the summary of results of the product recovery activities conducted in 2007.

The potentiometric surface maps for the second, third and fourth quarters of 2007 indicate that the general direction of groundwater flow was to the south. The average hydraulic gradient was on the order of 1 ft / 1,000 ft to the south. The potentiometric surface remained relatively stable, with the fluctuation of approximately 0 foot to 2 feet in the shallow horizon, and 0 to 5 feet in the intermediate/deep horizons.

In 2007, free product was detected in eleven wells at nine locations (a location is defined as either a single wells or a well cluster). Wells containing free product were either on site or within the parking lot of the Medical Office Building immediately south of the site. Five wells contained a sheen of LNAPL, and ten wells contained DNAPL (sheen to approximately 6 feet).

Seventeen wells were included in the product recovery program for 2007. Product was recovered on nine occasions between May and December 2007. Time interval between the recovery events varied between approximately 3 weeks and 2 months. The volume of product removed was approximately 1 to 3 gallons per event. It appears that there was no discernible trend in the thickness of the product layer and in the amount of product recovered as a function of time (note that because of access restrictions, the number of wells used to recover the product varied between the events).

Product found in the monitoring well HIMW-011S, located between the Site and the property used by the Oswego Oil Company appears to consist predominantly of #2 fuel oil.

The extent of the dissolved-phase plume during the second, third and fourth quarters of 2007 is summarized on Figures 21, 22 and 23, respectively. The core of the plume, defined here either by the presence of free product, or by the total BTEX or total PAH concentration greater than 1,000 micrograms per liter ( $\mu\text{g/L}$ , or ppb), extends to the distance of approximately 400 feet south of the site's boundary. The area of total BTEX or total PAH concentration between 100 and 1,000  $\mu\text{g/L}$  extends to the distance of approximately 2,500 - 2,800 feet to the south of the site's boundary. Beyond 2,800 ft, concentrations reduce to below 100  $\mu\text{g/L}$ , and the concentrations of total BTEX and total PAH's in the downgradient-most well pair (HIMW-015I/D), located approximately 3,500 feet south of the site's boundary, are between "not detected" and 30  $\mu\text{g/L}$ . The plume appears to have been stable in 2007, with concentrations of BTEX/PAH compounds in given wells remaining at the same order-of-magnitude levels throughout the measurement period.

Historically, the extent of the plume has been defined as an area enclosed within the isoconcentration line of 50  $\mu\text{g/L}$ , which is the lowest isoconcentration line shown on Drawings 6C and 6D of the 2006 RI report. Based the 50  $\mu\text{g/L}$  isoconcentration line, it is estimated that in 2007 the dissolved-phase plume extended to the distance of approximately 3,000 - 3,200 feet south of the site's boundary.

The likely cause of the stability of the dissolved-phase plume is natural attenuation. Natural attenuation encompasses mass redistribution processes, such as dispersion, dilution and adsorption onto soil particles, and mass destruction processes, such as biodegradation, hydrolysis and photolysis. Typically, the dominant attenuation processes are dispersion and biodegradation.

Evidence for biodegradation occurring at the Site is provided by results of sampling for the miscellaneous parameters, shown in Table 4. In areas where biodegradation occurs, the alkalinity of groundwater and dissolved-phase concentrations of carbon dioxide and methane are elevated, while dissolved-phase concentrations of nitrate and sulfate are lower than elsewhere within the aquifer (*Technical Protocol for Implementing Intrinsic Remediation with Long-Term Monitoring for Natural Attenuation of Fuel Contamination Dissolved In Groundwater*, AFCEE, 1995). Site data show that the alkalinity and the dissolved-phase concentration of carbon dioxide are higher within the plume (monitoring wells HIMW-012 through HIMW-015) than within the source area (wells HIMW-011 and HIMW-018) or outside the plume (wells HIMW-004, HIMW-010 and PZ-02). Similarly, methane was detected only in the monitoring wells within the plume. Concentrations of nitrate in the plume wells are mostly “Not detected”, while nitrate is present in all wells located in the source or outside the plume. This indicates that degradation does not occur outside of the plume, where there is little or no substrate to consume, and that degradation is weak within the source area, where the high concentrations of hydrocarbons inhibit the growth of the microorganisms. However, once the dissolved-phase concentrations of hydrocarbons decrease at some distance from the source as a result of dispersion, the microorganisms become active, converting the hydrocarbons into simple compounds, such as carbon dioxide (aerobic degradation) and methane (anaerobic degradation).



# **TABLES**

Table 1

**Hempstead Intersection Street Former MGP Site  
2007 Summary of Field Activities  
Water Level Measurements, Product Thickness Measurements and Water Quality Sampling**

Well ID	Fourth Quarter (Oct 2007)			Third Quarter (Jul-Aug 2007)			Second Quarter (Apr-May 2007)		
	Water Level	Product Thickness	Water Quality	Water Level	Product Thickness	Water Quality	Water Level	Product Thickness	Water Quality
HIMW-001S				X	X		X	X	
HIMW-001I				X	X		X	X	
HIMW-001D				X	X	X	X	X	X
HIMW-002S				X	X	X	X	X	X
HIMW-002I				X	X	X	X	X	X
HIMW-002D				X	X	X	X	X	X
HIMW-003S	X	X	X	X	X	X	X	X	X
HIMW-003I	X	X	X	X	X	X	X	X	X
HIMW-003D	X	X		X	X	X	X	X	X
HIMW-004S				X	X	X	X	X	X
HIMW-004I				X	X	X	X	X	X
HIMW-004D				X	X	X	X	X	X
HIMW-005S	X	X	X	X	X	X	X	X	X
HIMW-005I	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	
HIMW-006I				X	X	X	X	X	X
HIMW-006D				X	X	X	X	X	X
HIMW-007S				X	X		X	X	
HIMW-007I				X	X	X	X	X	X
HIMW-007D				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
HIMW-008D	X	X	X	X	X	X	X	X	X
HIMW-009S				X	X	X	X	X	X
HIMW-009I				X	X	X	X	X	X
HIMW-009D				X	X	X	X	X	X
HIMW-010S				X	X	X	X	X	X
HIMW-010I				X	X	X	X	X	X
HIMW-010D				X	X	X	X	X	X
HIMW-011S				X	X		X	X	
HIMW-011I				X	X	X	X	X	X
HIMW-011D				X	X	X	X	X	X
HIMW-012S	X	X	X	X	X	X	X	X	X
HIMW-012I	X	X	X	X	X	X	X	X	X
HIMW-012D	X	X	X	X	X	X	X	X	X
HIMW-013S	X	X	X	X	X	X	X	X	X
HIMW-013I	X	X	X	X	X	X	X	X	X
HIMW-013D	X	X	X	X	X	X	X	X	X
HIMW-014I	X	X	X	X	X	X	X	X	X
HIMW-014D	X	X	X	X	X	X	X	X	X
HIMW-015I	X	X	X	X	X	X	X	X	X
HIMW-015D	X	X	X	X	X	X	X	X	X
HIMW-016S						X	X	X	X
HIMW-016I							X	X	
HIMW-017S						X	X	X	X
HIMW-018S				X	X	X	X	X	X
HIMW-018I				X	X	X	X	X	X
HIMW-019S				X	X	X	X	X	X
HIMW-019I				X	X	X	X	X	X
PZ-02				X	X	X	X	X	X
PZ-03				X	X	X	X	X	X
PZ-08				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 (continued)**  
**Hempstead Intersection Street Former MGP Site**  
**2007 Summary of Field Activities**  
**Product Recovery**

Well ID	Dec 27, 2007	Dec 6, 2007	Nov 2007	Oct 25, 2007	Oct 4, 2007	Sep 2007	Aug 2007	June 2007	May 2007
HIMW-001S								X	X
HIMW-001I	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
HIMW-006I									
HIMW-006D									
HIMW-007S	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								X	
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					
HIMW-016I	X	X	X	X					
HIMW-017S	X	X	X						
HIMW-018S	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

Notes:

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

Table 2

**Hempstead Intersection Street Former MGP Site  
Groundwater and Product Measurements  
Fourth Quarter of 2007**

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL	Potentiometric Head (1)
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S		71.61	NM	NM	NM	41.00	NM	NM	NM
HIMW-001I		71.68	NM	NM	NM	89.50	NM	NM	NM
HIMW-001D		71.95	NM	NM	NM	127.10	NM	NM	NM
HIMW-002S		73.82	NM	NM	NM	42.20	NM	NM	NM
HIMW-002I		78.87	NM	NM	NM	91.60	NM	NM	NM
HIMW-002D		74.13	NM	NM	NM	111.30	NM	NM	NM
HIMW-003S	10/15/2007	65.00	ND	19.80	ND	34.80	0	0	45.20
HIMW-003I	10/16/2007	64.94	ND	20.30	ND	87.10	0	0	44.64
HIMW-003D	10/19/2007	65.26	ND	20.89	ND	144.50	0	0	44.37
HIMW-004S		72.74	NM	NM	NM	41.40	NM	NM	NM
HIMW-004I		72.78	NM	NM	NM	90.73	NM	NM	NM
HIMW-004D		72.65	NM	NM	NM	180.20	NM	NM	NM
HIMW-005S	10/15/2007	67.19	ND	22.49	ND	39.10	0	0	44.70
HIMW-005I	10/16/2007	67.22	ND	22.59	ND	92.30	0	0	44.63
HIMW-005D	10/18/2007	67.22	ND	23.49	ND	140.00	0	0	43.73
HIMW-006S		68.25	NM	NM	NM	36.10	NM	NM	NM
HIMW-006I		67.88	NM	NM	NM	82.20	NM	NM	NM
HIMW-006D		67.77	NM	NM	NM	118.58	NM	NM	NM
HIMW-007S		70.47	NM	NM	NM	40.75	NM	NM	NM
HIMW-007I		70.10	NM	NM	NM	98.20	NM	NM	NM
HIMW-007D		70.40	NM	NM	NM	119.50	NM	NM	NM
HIMW-008S	10/16/2007	65.04	ND	20.78	ND	37.20	0	0	44.26
HIMW-008I	10/23/2007	65.14	ND	20.72	ND	75.10	0	0	44.42
HIMW-008D	10/19/2007	64.93	ND	20.75	ND	114.75	0	0	44.18
HIMW-009S		70.03	NM	NM	NM	39.70	NM	NM	NM
HIMW-009I		69.93	NM	NM	NM	80.50	NM	NM	NM
HIMW-009D		69.96	NM	NM	NM	123.10	NM	NM	NM
HIMW-010S		71.60	NM	NM	NM	39.90	NM	NM	NM
HIMW-010I		71.47	NM	NM	NM	90.60	NM	NM	NM
HIMW-010D		71.44	NM	NM	NM	134.20	NM	NM	NM
HIMW-011S		71.62	NM	NM	NM	40.25	NM	NM	NM
HIMW-011I		71.43	NM	NM	NM	93.40	NM	NM	NM
HIMW-011D		71.39	NM	NM	NM	123.45	NM	NM	NM
HIMW-012S	10/17/2007	61.58	ND	18.42	ND	33.50	0	0	43.16
HIMW-012I	10/17/2007	61.59	ND	18.29	ND	75.00	0	0	43.30
HIMW-012D	10/18/2007	61.82	ND	20.98	ND	128.45	0	0	40.84
HIMW-013S	10/17/2007	72.83	ND	31.41	ND	49.20	0	0	41.42
HIMW-013I	10/18/2007	72.60	ND	31.17	ND	82.60	0	0	41.43
HIMW-013D	10/22/2007	72.53	ND	31.03	ND	122.50	0	0	41.50
HIMW-014I	10/22/2007	71.71	ND	30.10	ND	96.90	0	0	41.61
HIMW-014D	10/19/2007	71.59	ND	33.56	ND	122.50	0	0	38.03
HIMW-015I	10/23/2007	64.18	ND	25.38	ND	93.10	0	0	38.80
HIMW-015D	10/22/2007	63.96	ND	27.73	ND	155.00	0	0	36.23
HIMW-016S		67.45	NM	NM	NM	34.41	NM	NM	NM
HIMW-016I		67.50	NM	NM	NM	82.66	NM	NM	NM
HIMW-017S		65.96	NM	NM	NM	35.48	NM	NM	NM
HIMW-018S		69.76	NM	NM	NM	42.80	NM	NM	NM
HIMW-018I		69.70	NM	NM	NM	71.80	NM	NM	NM
HIMW-019S		70.95	NM	NM	NM	38.65	NM	NM	NM
HIMW-019I		71.27	NM	NM	NM	69.10	NM	NM	NM
PZ-02		72.96	NM	NM	NM	35.60	NM	NM	NM
PZ-03		64.58	NM	NM	NM	29.90	NM	NM	NM
PZ-08		70.51	NM	NM	NM	36.00	NM	NM	NM

## Notes:

Sh - sheen (assumed thickness of 0.01 ft)  
LNAPL - light non-aqueous phase liquid  
DNAPL - dense non-aqueous phase liquid  
HIMW-nnnS, PZ-nn - wells screened in shallow horizon  
HIMW-nnnI - wells screened in intermediate horizon  
HIMW-nnnD - wells screened in deep horizon

TOR - top of riser  
amsl - above mean sea level  
ND - not detected  
NM - not measured

(1) - Corrected using specific gravity of LNAPL of SG = 0.96

Table 2 (continued)

**Hempstead Intersection Street Former MGP Site  
Groundwater and Product Measurements  
Third Quarter of 2007**

Well ID	Date	Elevation	Depth to	Depth to	Depth to	Well	Thickness	Thickness	Potentiometric
		of TOR	LNAPL	Water	DNAPL		of LNAPL	of DNAPL	
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	7/15/2007	71.61	Sh	26.07	40.99	41.00	0.01	0.01	45.55
HIMW-001I	7/15/2007	71.68	ND	26.43	85.83	89.50	0	3.67	45.25
HIMW-001D	7/15/2007	71.95	ND	27.01	ND	127.10	0	0	44.94
HIMW-002S	7/15/2007	73.82	ND	28.15	ND	42.20	0	0	45.67
HIMW-002I	7/15/2007	78.87	ND	24.79	ND	91.60	0	0	54.08
HIMW-002D	7/15/2007	74.13	ND	24.50	ND	111.30	0	0	49.63
HIMW-003S	7/15/2007	65.00	ND	19.99	ND	34.80	0	0	45.01
HIMW-003I	7/15/2007	64.94	ND	20.35	ND	87.10	0	0	44.59
HIMW-003D	7/15/2007	65.26	ND	21.15	ND	144.50	0	0	44.11
HIMW-004S	7/15/2007	72.74	ND	28.40	ND	41.40	0	0	44.34
HIMW-004I	7/15/2007	72.78	ND	28.57	ND	90.73	0	0	44.21
HIMW-004D	7/15/2007	72.65	ND	29.33	ND	180.20	0	0	43.32
HIMW-005S	7/15/2007	67.19	ND	22.66	ND	39.10	0	0	44.53
HIMW-005I	7/15/2007	67.22	ND	23.35	ND	92.30	0	0	43.87
HIMW-005D	7/15/2007	67.22	ND	23.73	ND	140.00	0	0	43.49
HIMW-006S	7/15/2007	68.25	ND	23.15	35.03	36.10	0	1.07	45.10
HIMW-006I	7/15/2007	67.88	ND	23.18	ND	82.20	0	0	44.70
HIMW-006D	7/15/2007	67.77	ND	23.09	ND	118.58	0	0	44.68
HIMW-007S	7/15/2007	70.47	ND	26.36	39.37	40.75	0	1.38	44.11
HIMW-007I	7/15/2007	70.10	ND	25.55	ND	98.20	0	0	44.55
HIMW-007D	7/15/2007	70.40	ND	25.60	ND	119.50	0	0	44.80
HIMW-008S	7/15/2007	65.04	ND	22.89	ND	37.20	0	0	42.15
HIMW-008I	7/15/2007	65.14	ND	19.89	ND	75.10	0	0	45.25
HIMW-008D	7/15/2007	64.93	ND	20.62	ND	114.75	0	0	44.31
HIMW-009S	7/15/2007	70.03	ND	24.89	ND	39.70	0	0	45.14
HIMW-009I	7/15/2007	69.93	ND	24.94	ND	80.50	0	0	44.99
HIMW-009D	7/15/2007	69.96	ND	25.10	ND	123.10	0	0	44.86
HIMW-010S	7/15/2007	71.60	ND	26.20	ND	39.90	0	0	45.40
HIMW-010I	7/15/2007	71.47	ND	23.09	ND	90.60	0	0	48.38
HIMW-010D	7/15/2007	71.44	ND	24.39	ND	134.20	0	0	47.05
HIMW-011S	7/15/2007	71.62	Sh	26.16	ND	40.25	0.01	0	45.47
HIMW-011I	7/15/2007	71.43	ND	26.97	ND	93.40	0	0	44.46
HIMW-011D	7/15/2007	71.39	ND	26.00	ND	123.45	0	0	45.39
HIMW-012S	7/15/2007	61.58	ND	18.31	ND	33.50	0	0	43.27
HIMW-012I	7/15/2007	61.59	ND	18.18	ND	75.00	0	0	43.41
HIMW-012D	7/15/2007	61.82	ND	21.03	ND	128.45	0	0	40.79
HIMW-013S	7/15/2007	72.83	ND	31.39	ND	49.20	0	0	41.44
HIMW-013I	7/15/2007	72.60	ND	31.16	ND	82.60	0	0	41.44
HIMW-013D	7/15/2007	72.53	ND	31.16	ND	122.50	0	0	41.37
HIMW-014I	7/15/2007	71.71	ND	33.43	ND	96.90	0	0	38.28
HIMW-014D	7/15/2007	71.59	ND	30.15	ND	122.50	0	0	41.44
HIMW-015I	7/15/2007	64.18	ND	25.45	ND	93.10	0	0	38.73
HIMW-015D	7/15/2007	63.96	ND	28.41	ND	155.00	0	0	35.55
HIMW-016S		67.45	NM	NM	NM	34.41	NM	NM	NM
HIMW-016I		67.50	NM	NM	NM	82.66	NM	NM	NM
HIMW-017S		65.96	NM	NM	NM	35.48	NM	NM	NM
HIMW-018S	7/15/2007	69.76	ND	24.54	41.31	42.80	0	1.49	45.22
HIMW-018I	7/15/2007	69.70	ND	24.03	ND	71.80	0	0	45.67
HIMW-019S	7/15/2007	70.95	ND	25.26	ND	38.65	0	0	45.69
HIMW-019I	7/15/2007	71.27	ND	25.81	ND	69.10	0	0	45.46
PZ-02	7/15/2007	72.96	ND	27.18	ND	35.60	0	0	45.78
PZ-03	7/15/2007	64.58	ND	18.88	ND	29.90	0	0	45.70
PZ-08	7/15/2007	70.51	ND	25.17	34.42	36.00	0	1.58	45.34

## Notes:

- Sh - sheen (assumed thickness of 0.01 ft)  
 LNAPL - light non-aqueous phase liquid  
 DNAPL - dense non-aqueous phase liquid  
 HIMW-nnnS, PZ-nn - wells screened in shallow horizon  
 HIMW-nnnI - wells screened in intermediate horizon  
 HIMW-nnnD - wells screened in deep horizon  
 TOR - top of riser  
 amsl - above mean sea level  
 ND - not detected  
 NM - not measured  
 (1) - Corrected using specific gravity of LNAPL of SG = 0.96

Table 2 (continued)

**Hempstead Intersection Street Former MGP Site  
Groundwater and Product Measurements  
Second Quarter of 2007**

Well ID	Date	Elevation of TOR	Depth to LNAPL	Depth to Water	Depth to DNAPL	Well Depth	Thickness of LNAPL	Thickness of DNAPL	Potentiometric Head (1)
		[ft amsl]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft amsl]
HIMW-001S	4/15/2007	71.61	27.04	27.75	40.05	41.00	0.71	0.95	44.54
HIMW-001I	4/15/2007	71.68	ND	27.74	82.25	89.50	0	7.25	43.94
HIMW-001D	4/15/2007	71.95	ND	28.02	ND	127.10	0	0	43.93
HIMW-002S	4/15/2007	73.82	ND	29.52	ND	42.20	0	0	44.30
HIMW-002I	4/15/2007	78.87	ND	29.6	ND	91.60	0	0	49.27
HIMW-002D	4/15/2007	74.13	ND	28.93	ND	111.30	0	0	45.20
HIMW-003S	4/15/2007	65.00	ND	21.04	ND	34.80	0	0	43.96
HIMW-003I	4/15/2007	64.94	ND	21.19	ND	87.10	0	0	43.75
HIMW-003D	4/15/2007	65.26	ND	21.96	ND	144.50	0	0	43.30
HIMW-004S	4/15/2007	72.74	ND	29.41	ND	41.40	0	0	43.33
HIMW-004I	4/15/2007	72.78	ND	29.52	ND	90.73	0	0	43.26
HIMW-004D	4/15/2007	72.65	ND	30.16	ND	180.20	0	0	42.49
HIMW-005S	4/15/2007	67.19	ND	23.71	ND	39.10	0	0	43.48
HIMW-005I	4/15/2007	67.22	ND	24.41	ND	92.30	0	0	42.81
HIMW-005D	4/15/2007	67.22	ND	24.61	ND	140.00	0	0	42.61
HIMW-006S	4/15/2007	68.25	ND	24.21	34.20	36.10	0	1.9	44.04
HIMW-006I	4/15/2007	67.88	ND	24.18	ND	82.20	0	0	43.70
HIMW-006D	4/15/2007	67.77	ND	24.09	ND	118.58	0	0	43.68
HIMW-007S	4/15/2007	70.47	ND	26.73	38.59	40.75	0	2.16	43.74
HIMW-007I	4/15/2007	70.10	ND	26.62	ND	98.20	0	0	43.48
HIMW-007D	4/15/2007	70.40	ND	26.55	ND	119.50	0	0	43.85
HIMW-008S	4/15/2007	65.04	ND	21.87	ND	37.20	0	0	43.17
HIMW-008I	4/15/2007	65.14	ND	22.07	ND	75.10	0	0	43.07
HIMW-008D	4/15/2007	64.93	ND	21.86	ND	114.75	0	0	43.07
HIMW-009S	4/15/2007	70.03	ND	26.41	ND	39.70	0	0	43.62
HIMW-009I	4/15/2007	69.93	ND	26.19	ND	80.50	0	0	43.74
HIMW-009D	4/15/2007	69.96	ND	26.48	ND	123.10	0	0	43.48
HIMW-010S	4/15/2007	71.60	ND	27.65	ND	39.90	0	0	43.95
HIMW-010I	4/15/2007	71.47	ND	27.52	ND	90.60	0	0	43.95
HIMW-010D	4/15/2007	71.44	ND	27.45	ND	134.20	0	0	43.99
HIMW-011S	4/15/2007	71.62	Sh	27.48	ND	40.25	0.01	0	44.15
HIMW-011I	4/15/2007	71.43	ND	27.31	ND	93.40	0	0	44.12
HIMW-011D	4/15/2007	71.39	ND	27.31	ND	123.45	0	0	44.08
HIMW-012S	4/15/2007	61.58	ND	19.51	ND	33.50	0	0	42.07
HIMW-012I	4/15/2007	61.59	ND	19.36	ND	75.00	0	0	42.23
HIMW-012D	4/15/2007	61.82	ND	21.65	ND	128.45	0	0	40.17
HIMW-013S	4/15/2007	72.83	ND	32.59	ND	49.20	0	0	40.24
HIMW-013I	4/15/2007	72.60	ND	32.37	ND	82.60	0	0	40.23
HIMW-013D	4/15/2007	72.53	ND	32.37	ND	122.50	0	0	40.16
HIMW-014I	4/15/2007	71.71	ND	31.49	ND	96.90	0	0	40.22
HIMW-014D	4/15/2007	71.59	ND	33.73	ND	122.50	0	0	37.86
HIMW-015I	4/15/2007	64.18	ND	26.45	ND	93.10	0	0	37.73
HIMW-015D	4/15/2007	63.96	ND	28.08	ND	155.00	0	0	35.88
HIMW-016S	4/15/2007	67.45	ND	23.81	32.01	34.41	0	2.4	43.64
HIMW-016I	4/15/2007	67.50	ND	24.03	77.26	82.66	0	5.4	43.47
HIMW-017S	4/15/2007	65.96	ND	22.45	34.42	35.48	0	1.06	43.51
HIMW-018S	4/15/2007	69.76	ND	25.81	40.18	42.80	0	2.62	43.95
HIMW-018I	4/15/2007	69.70	ND	25.75	ND	71.80	0	0	43.95
HIMW-019S	4/15/2007	70.95	ND	26.69	37.15	38.65	0	1.5	44.26
HIMW-019I	4/15/2007	71.27	ND	26.88	ND	69.10	0	0	44.39
PZ-02	4/15/2007	72.96	ND	28.24	ND	35.60	0	0	44.72
PZ-03	4/15/2007	64.58	ND	20.07	ND	29.90	0	0	44.51
PZ-08	4/15/2007	70.51	ND	26.43	33.2	36.00	0	2.8	44.08

Notes:

- Sh - sheen (assumed thickness of 0.01 ft)  
 LNAPL - light non-aqueous phase liquid  
 DNAPL - dense non-aqueous phase liquid  
 HIMW-nnnS, PZ-nn - wells screened in shallow horizon  
 HIMW-nnnI - wells screened in intermediate horizon  
 HIMW-nnnD - wells screened in deep horizon
- TOR - top of riser  
 amsl - above mean sea level  
 ND - not detected  
 NM - not measured

(1) - corrected using specific gravity of LNAPL of SG = 0.96

Table 2 (continued)

Hempstead Intersection Street Former MGP Site  
 Groundwater and Product Measurements  
 Summary of Potentiometric Heads for 2007

Well ID	Wells Screened in Shallow Horizon					
	Potentiometric Surface Elevation					Fluctuation [ft]
	Fourth Quarter [ft amsl]	Third Quarter [ft amsl]	Second Quarter [ft amsl]	Maximum [ft amsl]	Minimum [ft amsl]	
HIMW-001S	NM	45.55	44.54	45.55	44.54	1.01
HIMW-002S	NM	45.67	44.30	45.67	44.30	1.37
HIMW-003S	45.20	45.01	43.96	45.01	43.96	1.05
HIMW-004S	NM	44.34	43.33	44.34	43.33	1.01
HIMW-005S	44.70	44.53	43.48	44.53	43.48	1.05
HIMW-006S	NM	45.10	44.04	45.10	44.04	1.06
HIMW-007S	NM	44.11	43.74	44.11	43.74	0.37
HIMW-008S	44.26	42.15	43.17	43.17	42.15	1.02
HIMW-009S	NM	45.14	43.62	45.14	43.62	1.52
HIMW-010S	NM	45.40	43.95	45.40	43.95	1.45
HIMW-011S	NM	45.47	44.15	45.47	44.15	1.32
HIMW-012S	43.16	43.27	42.07	43.27	42.07	1.20
HIMW-013S	41.42	41.44	40.24	41.44	40.24	1.20
HIMW-016S	NM	NM	43.64	43.64	43.64	0.00
HIMW-017S	NM	NM	43.51	43.51	43.51	0.00
HIMW-018S	NM	45.22	43.95	45.22	43.95	1.27
HIMW-019S	NM	45.69	44.26	45.69	44.26	1.43
PZ-02	NM	45.78	44.72	45.78	44.72	1.06
PZ-03	NM	45.70	44.51	45.70	44.51	1.19
PZ-08	NM	45.34	44.08	45.34	44.08	1.26
Highest Fluctuation [ft] =						1.52
Lowest Fluctuation [ft] =						0.00
Average Fluctuation [ft] =						1.04

Notes:

- NM - not measured
- Second Quarter - measurements taken on April 15, 2007
- Third Quarter - measurements taken on July 15, 2007
- Fourth Quarter - measurements taken October 15 to 23, 2007

Table 2 (continued)

**Hempstead Intersection Street Former MGP Site  
Groundwater and Product Measurements  
Summary of Potentiometric Heads for 2007**

Well ID	Wells Screened in Intermediate Horizon					Fluctuation [ft]
	Potentiometric Surface Elevation					
	Fourth Quarter [ft amsl]	Third Quarter [ft amsl]	Second Quarter [ft amsl]	Maximum [ft amsl]	Minimum [ft amsl]	
HIMW-001I	NM	45.25	43.94	45.25	43.94	1.31
HIMW-002I	NM	54.08	49.27	54.08	49.27	4.81
HIMW-003I	44.64	44.59	43.75	44.59	43.75	0.84
HIMW-004I	NM	44.21	43.26	44.21	43.26	0.95
HIMW-005I	44.63	43.87	42.81	43.87	42.81	1.06
HIMW-006I	NM	44.70	43.70	44.70	43.70	1.00
HIMW-007I	NM	44.55	43.48	44.55	43.48	1.07
HIMW-008I	44.42	45.25	43.07	45.25	43.07	2.18
HIMW-009I	NM	44.99	43.74	44.99	43.74	1.25
HIMW-010I	NM	48.38	43.95	48.38	43.95	4.43
HIMW-011I	NM	44.46	44.12	44.46	44.12	0.34
HIMW-012I	43.30	43.41	42.23	43.41	42.23	1.18
HIMW-013I	41.43	41.44	40.23	41.44	40.23	1.21
HIMW-014I	41.61	38.28	40.22	40.22	38.28	1.94
HIMW-015I	38.80	38.73	37.73	38.73	37.73	1.00
HIMW-016I	NM	NM	43.47	43.47	43.47	0.00
HIMW-018I	NM	45.67	43.95	45.67	43.95	1.72
HIMW-019I	NM	45.46	44.39	45.46	44.39	1.07
					Highest Fluctuation [ft] =	4.81
					Lowest Fluctuation [ft] =	0.00
					Average Fluctuation [ft] =	1.52

## Notes:

NM - not measured

Second Quarter - measurements taken on April 15, 2007

Third Quarter - measurements taken on July 15, 2007

Fourth Quarter - measurements taken October 15 to 23, 2007



Table 2 (continued)

Hempstead Intersection Street Former MGP Site  
 Groundwater and Product Measurements  
 Summary of Potentiometric Heads for 2007

Well ID	Wells Screened in Deep Horizon					
	Potentiometric Surface Elevation					Fluctuation [ft]
	Fourth Quarter [ft amsl]	Third Quarter [ft amsl]	Second Quarter [ft amsl]	Maximum [ft amsl]	Minimum [ft amsl]	
HIMW-001D	NM	44.94	43.93	44.94	43.93	1.01
HIMW-002D	NM	49.63	45.20	49.63	45.20	4.43
HIMW-003D	44.37	44.11	43.30	44.11	43.30	0.81
HIMW-004D	NM	43.32	42.49	43.32	42.49	0.83
HIMW-005D	43.73	43.49	42.61	43.49	42.61	0.88
HIMW-006D	NM	44.68	43.68	44.68	43.68	1.00
HIMW-007D	NM	44.80	43.85	44.80	43.85	0.95
HIMW-008D	44.18	44.31	43.07	44.31	43.07	1.24
HIMW-009D	NM	44.86	43.48	44.86	43.48	1.38
HIMW-010D	NM	47.05	43.99	47.05	43.99	3.06
HIMW-011D	NM	45.39	44.08	45.39	44.08	1.31
HIMW-012D	40.84	40.79	40.17	40.79	40.17	0.62
HIMW-013D	41.50	41.37	40.16	41.37	40.16	1.21
HIMW-014D	38.03	41.44	37.86	41.44	37.86	3.58
HIMW-015D	36.23	35.55	35.88	35.88	35.55	0.33
Highest Fluctuation [ft] =						4.43
Lowest Fluctuation [ft] =						0.33
Average Fluctuation [ft] =						1.51

Notes:

- NM - not measured
- Second Quarter - measurements taken on April 15, 2007
- Third Quarter - measurements taken on July 15, 2007
- Fourth Quarter - measurements taken October 15 to 23, 2007

Table 3

**Hempstead Intersection Street Former MGP Site**  
**Dissolved-Phase Concentrations of Total BTEX Compounds and Total PAH Compounds**  
**Data Collected in 2007**

Well ID	Concentration [micrograms per liter, or ppb]					
	Fourth Quarter October 2007		Third Quarter July-August 2007		Second Quarter April 2007	
	BTEX	PAH	BTEX	PAH	BTEX	PAH
HIMW-001D			ND	1	ND	1.41
HIMW-001I						
HIMW-001S						
HIMW-002D			ND	ND	ND	ND
HIMW-002I			ND	ND	ND	0.203
HIMW-002S			ND	ND	ND	ND
HIMW-003D			ND	ND	ND	ND
HIMW-003I	ND	ND	ND	ND	ND	ND
HIMW-003S	ND	ND	ND	ND	ND	ND
HIMW-004D			ND	ND	ND	ND
HIMW-004I			ND	ND	0.438	ND
HIMW-004S			ND	6	ND	ND
HIMW-005D	17	ND	62	92	48.66	301.77
HIMW-005I	296	4872	183	3383	157.5	1840.06
HIMW-005S	ND	ND	ND	ND	ND	ND
HIMW-006D			3	6	0.262	28.256
HIMW-006I			40	151	26.66	63.266
HIMW-006S						
HIMW-007D			ND	ND	ND	0.567
HIMW-007I			ND	ND	ND	0.945
HIMW-007S						
HIMW-008D	ND	ND	1	ND	ND	ND
HIMW-008I	ND	ND	ND	ND	0.525	ND
HIMW-008S	ND	20	ND	ND	0.416	ND
HIMW-009D			1	ND	ND	ND
HIMW-009I			ND	ND	ND	ND
HIMW-009S			ND	ND	ND	ND
HIMW-010D			ND	ND	ND	ND
HIMW-010I			ND	ND	ND	ND
HIMW-010S			ND	1	ND	4.9
HIMW-011D			ND	ND	ND	ND
HIMW-011I			ND	ND	ND	ND
HIMW-011S						
HIMW-012D	2	ND	ND	ND	0.503	0.454
HIMW-012I	253	138	63	168	38.35	97.937
HIMW-012S	ND	ND	ND	ND	0.403	ND
HIMW-013D	14	21	9	17	8.252	10.482
HIMW-013I	ND	104	152	119	164.411	76.894
HIMW-013S	ND	ND	ND	ND	ND	ND
HIMW-014D	ND	ND	ND	ND	0.39	ND
HIMW-014I	175	78	174	67	113.307	53.795
HIMW-015D	ND	ND	ND	ND	ND	ND
HIMW-015I	11	22	21	30	19.761	19.414
HIMW-016I						
HIMW-018I			21	191	69.6	258.26
HIMW-019I			ND	ND	ND	ND
PZ-02			ND	ND	ND	ND
PZ-03			ND	ND	ND	ND
PZ-08						

## Notes:

ND - Not Detected.

NAPL is periodically identified in this well.

A blank field is "Not Sampled".

Within each round, wells were sampled over several days in the given period.

(1) - Previous sampling rounds, included for the purpose of comparison (source - March 2006 RI report).

Table 3 (continued)

**Hempstead Intersection Street Former MGP Site**  
**Dissolved-Phase Concentrations of Total BTEX Compounds and Total PAH Compounds**  
**Data Collected Prior to 2007**

Well ID	Concentration [micrograms per liter, or ppb]			
	(1) December 2001		(1) November 2003	
	BTEX	PAH		
HIMW-001D	132	ND		
HIMW-001I	139	1706		
HIMW-001S	13800	209980		
HIMW-002D	2	ND		
HIMW-002I	18	ND		
HIMW-002S	5	ND		
HIMW-003D	ND	1		
HIMW-003I	ND	ND		
HIMW-003S	36	ND		
HIMW-004D	4	1		
HIMW-004I	13	ND	ND	ND
HIMW-004S	33	6	ND	ND
HIMW-005D	45	115		
HIMW-005I	229	2960		
HIMW-005S	232	765		
HIMW-006D	ND	13		
HIMW-006I	17	1	98	560
HIMW-006S	103000	10518000		
HIMW-007D	40	2		
HIMW-007I	9	8		
HIMW-007S	10300	8053	ND	ND
HIMW-008D	16	ND		
HIMW-008I	ND	ND	ND	ND
HIMW-008S	7070	1995	6440	1415
HIMW-009D	16	10		
HIMW-009I	2	ND		
HIMW-009S	19	8		
HIMW-010D	16	ND		
HIMW-010I	13	ND		
HIMW-010S	33	150		
HIMW-011D	39	19		
HIMW-011I	49	3	ND	ND
HIMW-011S	13920	13076		
HIMW-012D	6	2		
HIMW-012I	109	126	77	136
HIMW-012S	5	ND	ND	ND
HIMW-013D	30	5		
HIMW-013I	75	58	143	156
HIMW-013S	11	ND	ND	ND
HIMW-014D	15	ND	ND	ND
HIMW-014I	100	61	273	288
HIMW-015D	94	1	ND	ND
HIMW-015I	41	15	111	29
HIMW-016I			9	ND
HIMW-018I			1338	3008
HIMW-019I			ND	19
PZ-02	ND	ND	ND	ND
PZ-03	1	ND	ND	ND
PZ-08	8010			

## Notes:

----- ND - Not Detected.

----- NAPL is periodically identified in this well.

----- A blank field is "Not Sampled".

Within each round, wells were sampled over several days in the given period.

(1) - Previous sampling rounds, included for the purpose of comparison (source: March 2006 RI report).

**Table 4**

**Hempstead Intersection Street Former MGP Site  
Miscellaneous Parameters**

Well ID	Alkalinity, Total (as CaCO <sub>3</sub> )		Nitrate-Nitrogen		Nitrite-Nitrogen		Sulfate (as SO <sub>4</sub> )		Heterotrophic Plate Count	
	Second Quarter 2007	Third Quarter 2007	Second Quarter 2007	Third Quarter 2007	Second Quarter 2007	Third Quarter 2007	Second Quarter 2007	Third Quarter 2007	Second Quarter 2007	Third Quarter 2007
	[ppb]	[ppb]	[ppb]	[ppb]	[ppb]	[ppb]	[ppb]	[ppb]	[cfu/mL]	[cfu/mL]
Wells Located Outside of the Plume or at the Plume Perimeter										
HIMW-004D	13,000	13,000	5,020	4,360	ND	ND	23,100	27,800	56	210 J
HIMW-004I	32,500	34,800	3,920	2,360	ND	ND	29,700	23,700	980 J	320 J
HIMW-004S	13,500	12,600	2,000	3,390	ND	ND	22,700	18,500	26	210 J
HIMW-010D	9,000	4,800	1,980	2,140	ND	ND	15,200	22,000	46 J	120 J
HIMW-010I	3,000	ND	2,420	2,400	ND	ND	28,700	30,200	50	340 J
HIMW-010S	28,000	1,700	3,040	5,510	90	220	59,400	96,500	44	1,000 J
PZ-02	NA	12,400	NA	3,400	NA	ND	NA	18,600	NA	210 J
Wells Located Within the Source area										
HIMW-011S	35,000	NA	2,480	NA	ND	NA	21,400	NA	NA	NA
HIMW-018I	4,000	63,000	3,760	200	52	ND	41,400	29,600	99	640
Wells Located Within the Plume										
HIMW-012D	13,000	6,100	955	1,390	ND	ND	54,700	61,800	26	100 J
HIMW-012I	65,000	69,400	ND	ND	ND	ND	38,400	43,200	9	77 J
HIMW-012S	NA	30,200	NA	5,290	NA	ND	NA	21,600	40	460
HIMW-13I	28,000	NA	ND	NA	ND	NA	60,200	NA	16	NA
HIMW-014D	NA	24,100	NA	ND	NA	ND	NA	79,500	NA	190 J
HIMW-014I	116,000	62,500	ND	ND	ND	ND	20,000	23,100	3	160 J
HIMW-015D	ND	ND	ND	ND	ND	ND	47,600	57,500	35 J	930
HIMW-015I	65,000	NA	ND	NA	ND	NA	28,800	NA	104 J	NA

Notes:

NA - Not Analyzed

ND - Not Detected

D - Results reported from a separate secondary dilution analysis.

J - Analyte was positively identified, reported concentration is approximate.

Sampling for the Second Quarter of 2007 was performed between April 4 and May 2, 2007.

Sampling for the Third Quarter of 2007 was performed between July 24 and August 6, 2007.

Table 4 (continued)

Hempstead Intersection Street Former MGP Site  
Miscellaneous Parameters

Well ID	Total Iron		Dissolved Iron		Carbon Dioxide		Methane	
	Second Quarter 2007	Third Quarter 2007	Second Quarter 2007	Third Quarter 2007	Second Quarter 2007	Third Quarter 2007	Second Quarter 2007	Third Quarter 2007
	[ppb]	[ppb]	[ppb]	[ppb]	[ppb]	[ppb]	[ppb]	[ppb]
Wells Located Outside of the Plume or at the Plume Perimeter								
HIMW-004D	330	213 J	ND	111	34,400	60,900	ND	ND
HIMW-004I	688	567	ND	21.0 J	20,500	63,500	ND	ND
HIMW-004S	120	45.3 J	ND	48.4 J	22,000	39,600	ND	ND
HIMW-010D	198	929 J	ND	48.9 J	9,900	42,900	ND	ND
HIMW-010I	199	129 J	ND	75.3 J	ND	ND	ND	ND
HIMW-010S	9,250	3,910	8,660	2,510	45,200	9,400	ND	ND
PZ-02	NA	NA	NA	NA	NA	NA	NA	NA
Wells Located Within the Source area								
HIMW-011S	NA	NA	NA	NA	NA	NA	NA	NA
HIMW-018I	342	3,560 J	267	159	ND	ND	ND	ND
Wells Located Within the Plume								
HIMW-012D	727	255 J	124	98.2 J	10,900	70,200	ND	19
HIMW-012I	22,900	20,500 J	20,800	16,900	59,100	230,000	64.9	330 D
HIMW-012S	1,660	390 J	ND	34.7 J	6,500	64,700	ND	ND
HIMW-13I	NA	NA	NA	NA	NA	NA	NA	NA
HIMW-014D	2,430	5,620 J	1,020	898	42,200	171,000	ND	180 D
HIMW-014I	45,700	44,900 J	32,500	16,700	75,600	244,000	ND	290 D
HIMW-015D	16,500	17,200 J	17,100	15,200	ND	ND	NA	210 D
HIMW-015I	375	480 J	114	97.4 J	18,700	135,000	ND	32 D

Notes:

NA - Not Analyzed

ND - Not Detected

D - Results reported from a separate secondary dilution analysis.

J - Analyte was positively identified, reported concentration is approximate.

Sampling for the Second Quarter of 2007 was performed between April 4 and May 2, 2007.

Sampling for the Third Quarter of 2007 was performed between July 24 and August 6, 2007.

Table 5

**Hempstead Intersection Street Former MGP Site  
Product Recovery  
November and December 2007**

Well ID	December 27, 2007			December 6, 2007			November 2007		
	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	0	0	0	0	0
HIMW-001I	0	2.5	0.41	0	0	0	0	2.96	0.48
HIMW-006S	0	3	0.49	0	0	0	0	0.5	0.08
HIMW-006I	0	0	0	0	0	0	NI	NI	0
HIMW-007S	0	1.5	0.24	0	0.12	0.02	0	0.67	0.11
HIMW-007I	0	0	0	0	0	0	NI	NI	0
HIMW-007D	0	0	0	0	0	0	NI	NI	0
HIMW-010S	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-011S	Sheen	0	0	0	0	0	0	0	0
HIMW-011I	0	0	0	0	0	0	NI	NI	0
HIMW-016S	0	4.5	0.73	0	2.73	0.45	0	2.28	0.37
HIMW-016I	0	4.5	0.73	0	4.05	0.66	0	3.52	0.57
HIMW-017S	0	1.75	0.29	0	1.00	0.16	0	1.05	0.17
HIMW-018S	0	0	0	0	1.05	0.17	0	0.02	0.00
HIMW-018I	0	0	0	0	0	0	NI	NI	0
HIMW-019S	0	0	0	0	Trace	0	0	Trace	0
HIMW-019I	0	0	0	0	0	0	NI	NI	0
PZ-08	0	1.5	0.24	0	1.36	0.22	0	1.35	0.22
	Volume Removed		<b>3.14</b>	Volume Removed		<b>1.68</b>	Volume Removed		<b>2.02</b>

## 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 / ft of well screen.

Table 5 (continued)

Hempstead Intersection Street Former MGP Site  
Product Recovery  
September and October 2007

Well ID	October 25, 2007			October 4, 2007			September 2007		
	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	0.02	0
HIMW-001I	0	3	0.49	0	2.9	0.47	0	3.65	0.60
HIMW-006S	Sheen	2.2	0	0	1.5	0.24	0	0.5	0.08
HIMW-006I	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-007S	0	0.2	0.03	Sheen	0.54	0.09	Sheen	2.35	0.38
HIMW-007I	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-007D	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-010S	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-011S	Sheen	0	0	0.17	0	0.03	Sheen	0	0
HIMW-011I	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-016S	0	3.5	0.57	NA	NA	0	NA	NA	0
HIMW-016I	0	5.6	0.91	NA	NA	0	NA	NA	0
HIMW-017S	NA	NA	0	NA	NA	0	NA	NA	0
HIMW-018S	0	Trace	0	0	0.06	0.01	Sheen	0.25	0.04
HIMW-018I	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-019S	0	Trace	0	0	Trace	0	0	0.15	0.02
HIMW-019I	NI	NI	0	NI	NI	0	NI	NI	0
PZ-08	0	1.5	0.24	0	1.5	0.24	0	1.43	0.23
	Volume Removed		<b>2.25</b>	Volume Removed		<b>1.09</b>	Volume Removed		<b>1.36</b>

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 wells wells are 2-inch diameter: Vol = 0.163 gal / lft of well screen.

Table 5 (continued)

**Hempstead Intersection Street Former MGP Site  
Product Recovery  
May, June and August 2007**

Well ID	August 2007			June 2007			May 2007		
	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	Sheen	0.8	0.13	Sheen	1.1	0.18
HIMW-001I	0	**	0	0	4.65	0.76	0	7.3	1.19
HIMW-006S	0	1.07	0.17	0	1.05	0.17	0	4.25	0.69
HIMW-006I	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-007S	0	1.38	0.23	0	0.93	0.15	0	1.85	0.30
HIMW-007I	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-007D	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-010S	NI	NI	0	NI	NI	0	0	NI	0
HIMW-011S	Sheen	0	0	Sheen	0	0	Sheen	0	0
HIMW-011I	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-016S	NA	NA	0	NA	NA	0	0	NA	0
HIMW-016I	NA	NA	0	NA	NA	0	0	NA	0
HIMW-017S	NA	NA	0	NA	NA	0	0	NA	0
HIMW-018S	0	1.48	0.24	0	0.4	0.07	0	2.42	0.39
HIMW-018I	NI	NI	0	NI	NI	0	NI	NI	0
HIMW-019S	0	0	0	0	0.05	0.01	0	1.35	0.22
HIMW-019I	NI	NI	0	NI	NI	0	NI	NI	0
PZ-08	0	1.58	0.26	0	0.97	0.16	0	1.42	0.23
	Volume Removed		<b>0.90</b>	Volume Removed		<b>1.44</b>	Volume Removed		<b>3.21</b>

## 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 wells are 2-inch diameter: Vol = 0.163 gal / ft of well screen.



Table 5 (continued)

Hempstead Intersection Street Former MGP Site  
Product Recovery  
December 2003

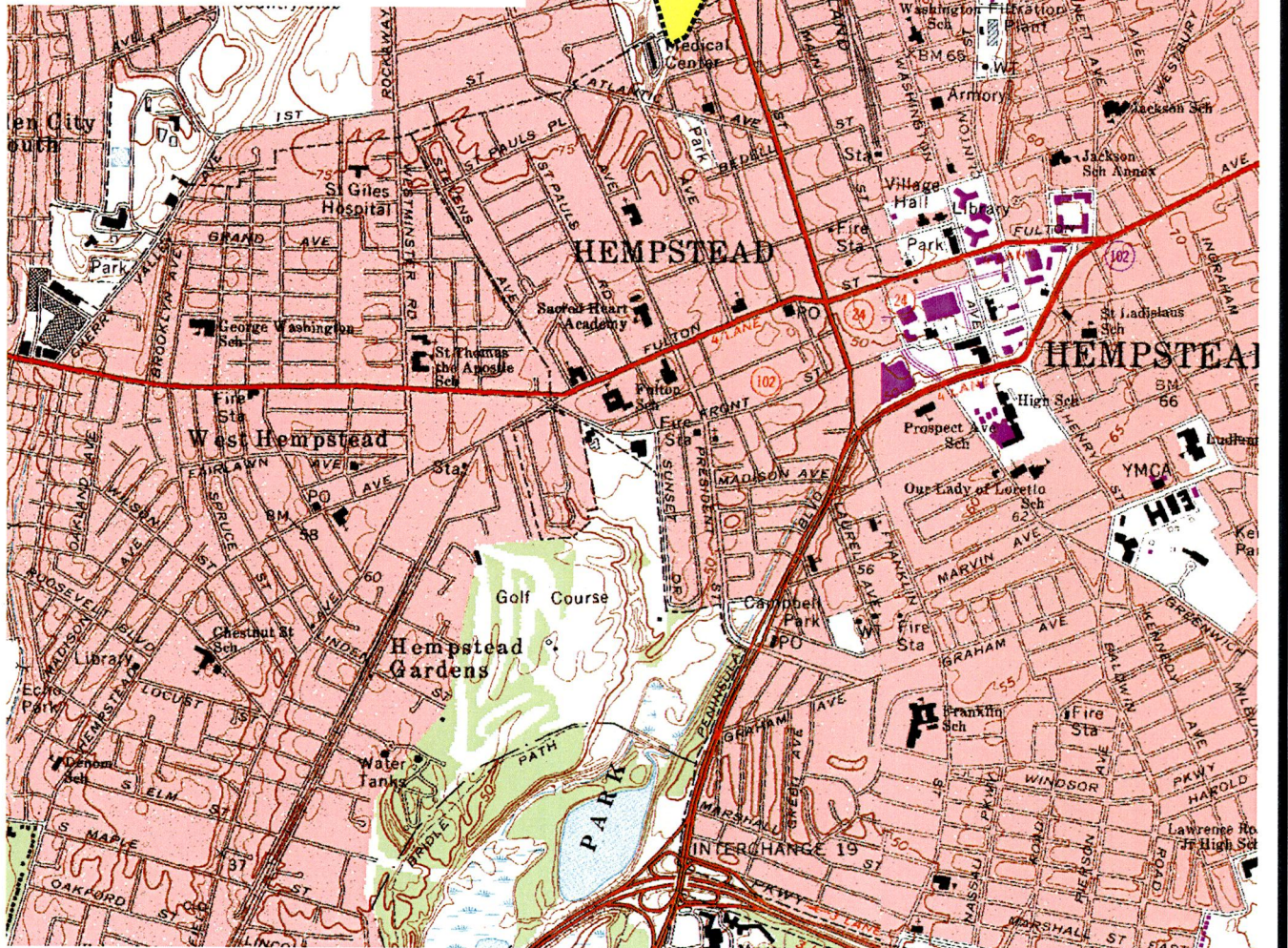
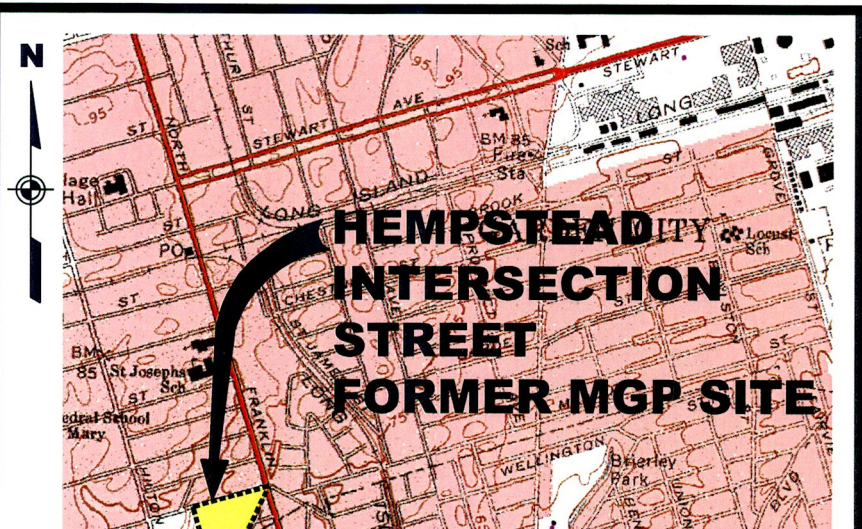
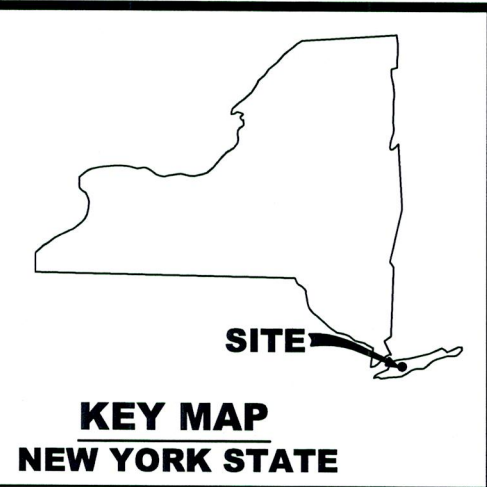
Well ID	December 2003		
	Thickness of LNAPL	Thickness of DNAPL	Volume Removed (1)
	[ft]	[ft]	[gal]
HIMW-001S	Sheen	3.77	0.62
HIMW-001I	0	0	0
HIMW-006S	0	3.4	0.55
HIMW-006I	NI	NI	0
HIMW-007S	Sheen	3	0.49
HIMW-007I	NI	NI	0
HIMW-007D	NI	NI	0
HIMW-010S	0	0	0
HIMW-011S	Sheen	0	0
HIMW-011I	NI	NI	0
HIMW-016S	Sheen	4.25	1
HIMW-016I	0	5.3	0.87
HIMW-017S	Sheen	5.75	0.94
HIMW-018S	0	1.15	0.19
HIMW-018I	NI	NI	0
HIMW-019S	0	0.41	0.07
HIMW-019I	NI	NI	0
PZ-08	0	0	0
	Volume Removed		<b>4.41</b>

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 wells are 2-inch diameter: Vol = 0.163 gal / lft of well screen.

# FIGURES





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

**KEYSPAN CORPORATION**  
**HEMPSTEAD INTERSECTION STREET**  
**FORMER MGP SITE**  
**GARDEN CITY/HEMPSTEAD, NY**

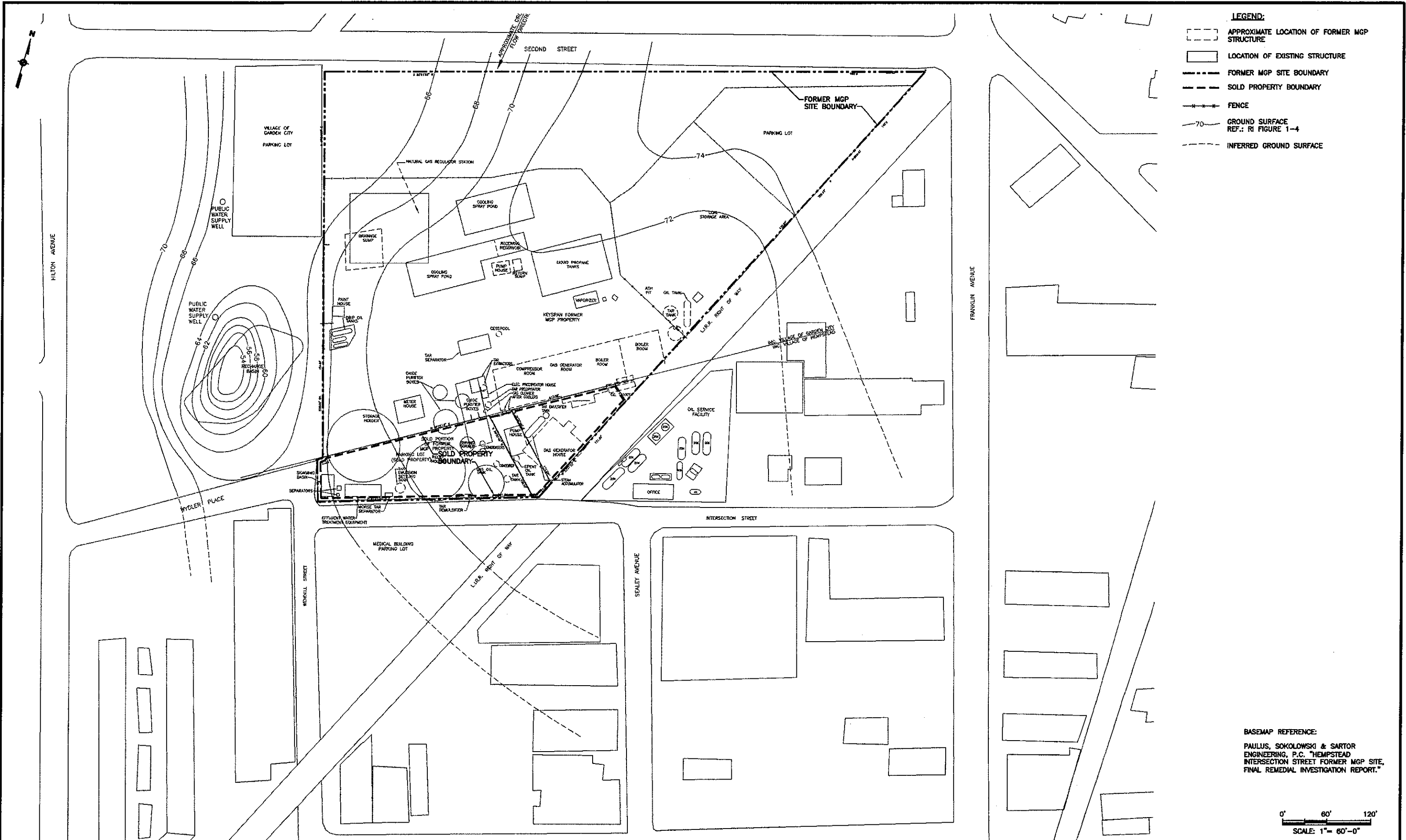


**URS Corporation**

**SITE LOCATION MAP**

**FIGURE 1**





- LEGEND:**
- APPROXIMATE LOCATION OF FORMER MGP STRUCTURE
  - ▭ LOCATION OF EXISTING STRUCTURE
  - FORMER MGP SITE BOUNDARY
  - SOLD PROPERTY BOUNDARY
  - FENCE
  - 70 GROUND SURFACE REF.: RI FIGURE 1-4
  - INFERRED GROUND SURFACE

**BASEMAP REFERENCE:**  
 PAULUS, SOKOLOWSKI & SARTOR  
 ENGINEERING, P.C. "HEMPSTEAD  
 INTERSECTION STREET FORMER MGP SITE,  
 FINAL REMEDIAL INVESTIGATION REPORT."

0' 60' 120'  
 SCALE: 1" = 60'-0"

**URS Corporation**

**KEYSPAN CORPORATION  
 HEMPSTEAD INTERSECTION STREET  
 FORMER MGP SITE  
 GARDEN CITY/HEMPSTEAD, NY**

**SITE MAP**

**FIGURE 2**

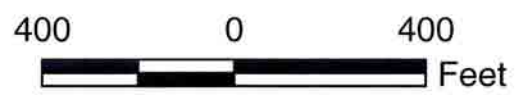
10/11/2008 04:00 PM URS\URS\Projects\Garden City\Hempstead\Site Map.dwg 2:24pm 8/24/08 - B. ML





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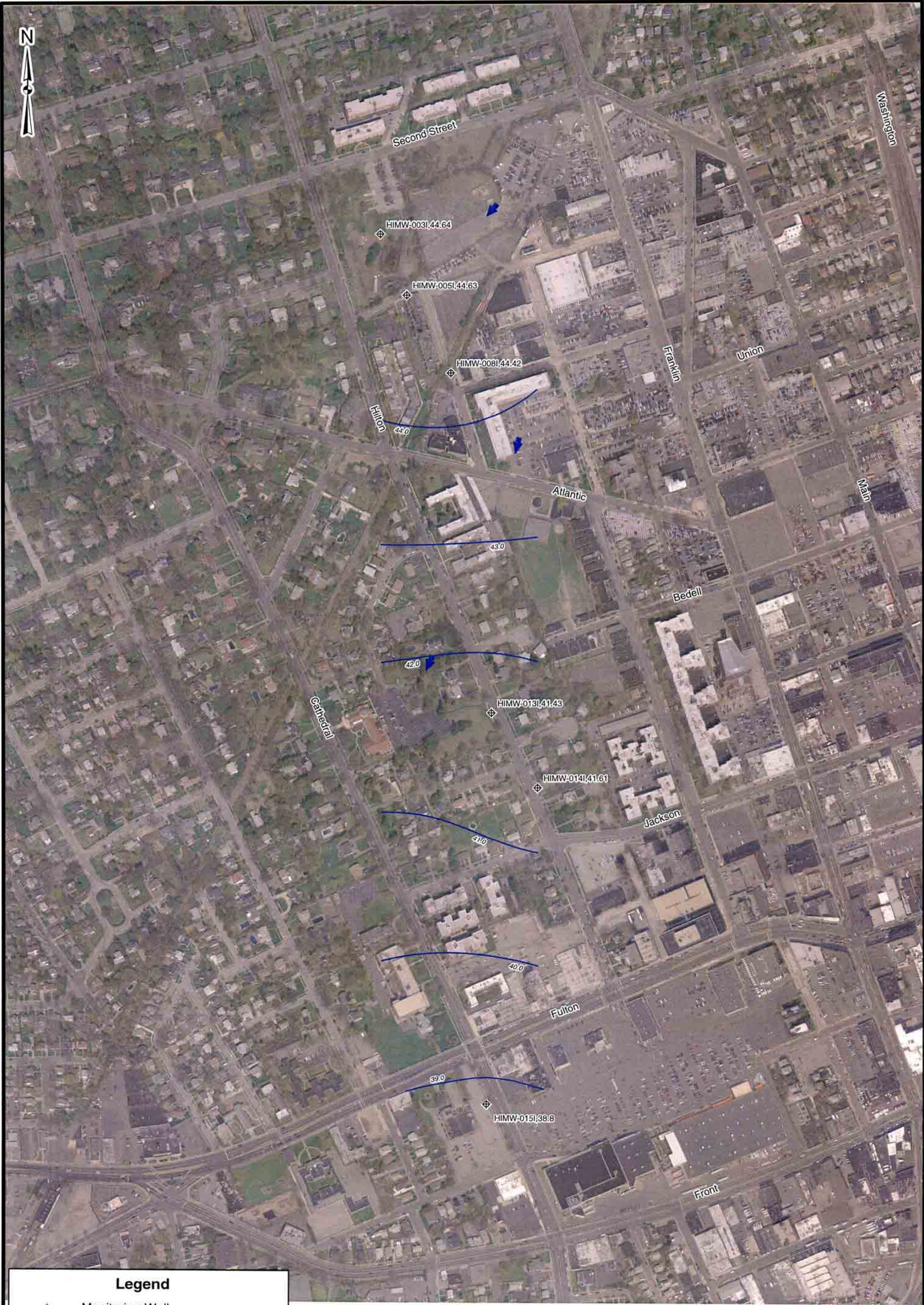
Legend	
	Monitoring Well
	Groundwater Flow Direction
	Groundwater Elevation Contour
Location ID	HIMW-002S, 44.30
	Groundwater Elevation (ft.)



GARDEN CITY/HEMPSTEAD, NY  
 POTENTIOMETRIC SURFACE MAP FOR SHALLOW GROUNDWATER  
 OCTOBER 15 - 23, 2007

FIGURE 3



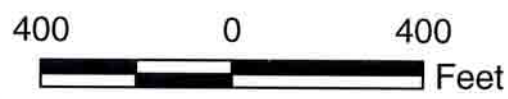


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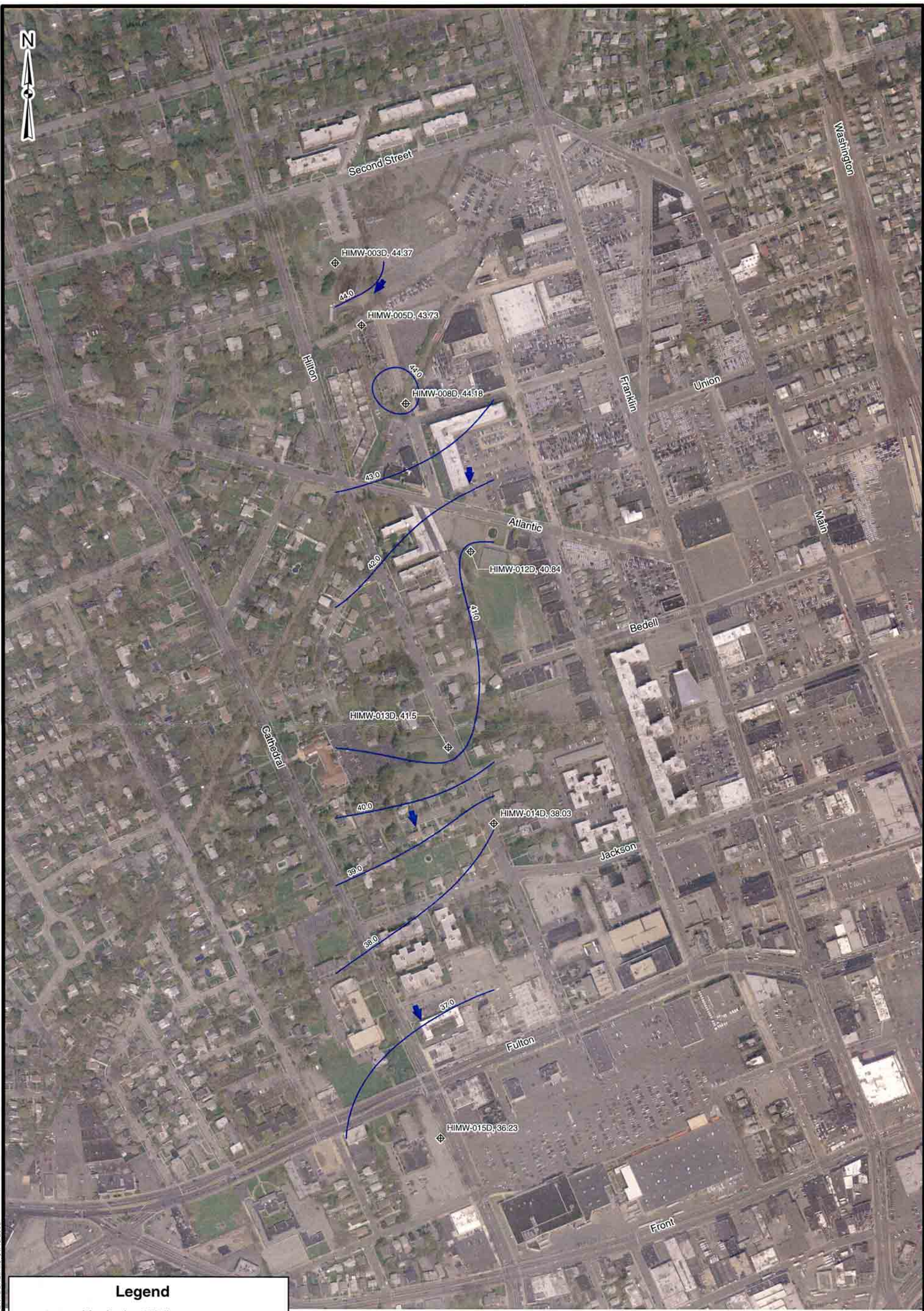
**Legend**

- ⊕ Monitoring Well
- ← Groundwater Flow Direction
- 48.0 — Groundwater Elevation Contour




Location ID	HIMW-0021, 49.27	Groundwater Elevation (ft.)
-------------	------------------	-----------------------------

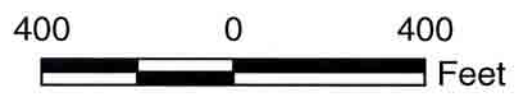






**Legend**

-  Monitoring Well
  -  Groundwater Flow Direction
  -  Groundwater Elevation Contour
- Location ID — HIMW-002D, 45.20 — Groundwater Elevation (ft.)



GARDEN CITY/HEMPSTEAD, NY  
 POTENTIOMETRIC SURFACE MAP FOR DEEP GROUNDWATER  
 OCTOBER 15 - 23, 2007

FIGURE 5

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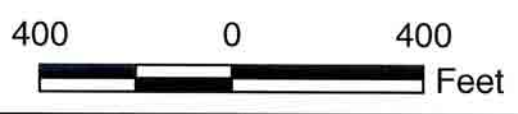




**Legend**

- ⊕ Monitoring Well
- ➔ Groundwater Flow Direction
- 43.0 — Groundwater Elevation Contour

Location ID — HIMW-002S, 45.67 — Groundwater Elevation (ft.)



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GARDEN CITY/HEMPSTEAD, NY  
 POTENTIOMETRIC SURFACE MAP FOR SHALLOW GROUNDWATER  
 JULY 15, 2007

FIGURE 6



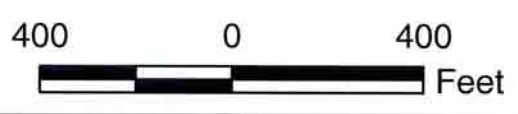


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**Legend**

- ⊕ Monitoring Well
- ➔ Groundwater Flow Direction
- 42.0— Groundwater Elevation Contour

Location ID — HIMW-0021, 54.08 — Groundwater Elevation (ft.)

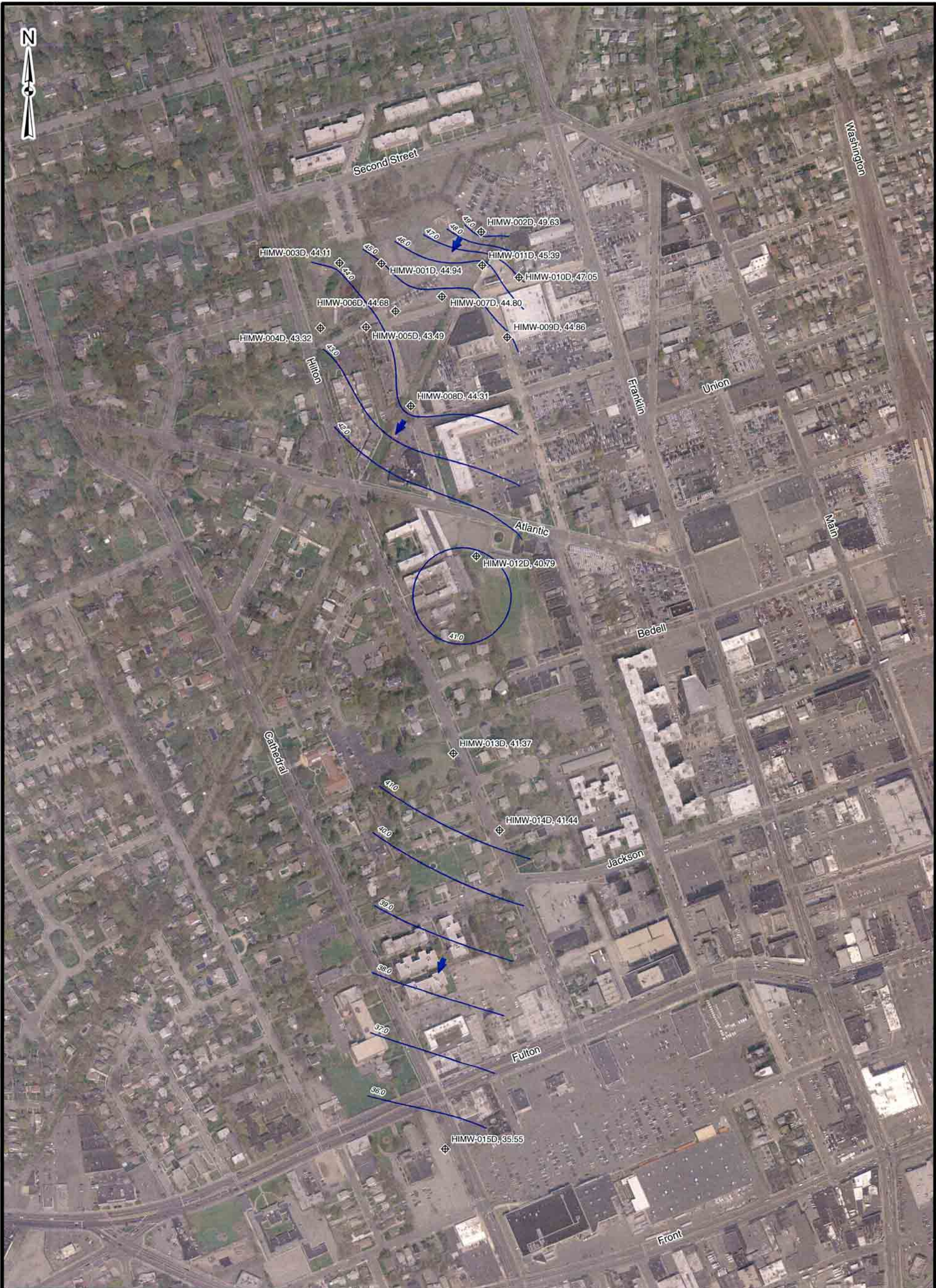


GARDEN CITY/HEMPSTEAD, NY  
 POTENTIOMETRIC SURFACE MAP FOR INTERMEDIATE GROUNDWATER  
 JULY 15, 2007

FIGURE 7

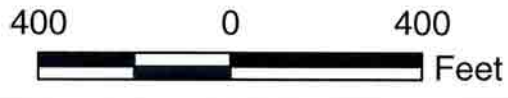






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Legend	
	Monitoring Well
	Groundwater Flow Direction
	Groundwater Elevation Contour
Location ID — HIMW-002D, 49.63	Groundwater Elevation (ft.)

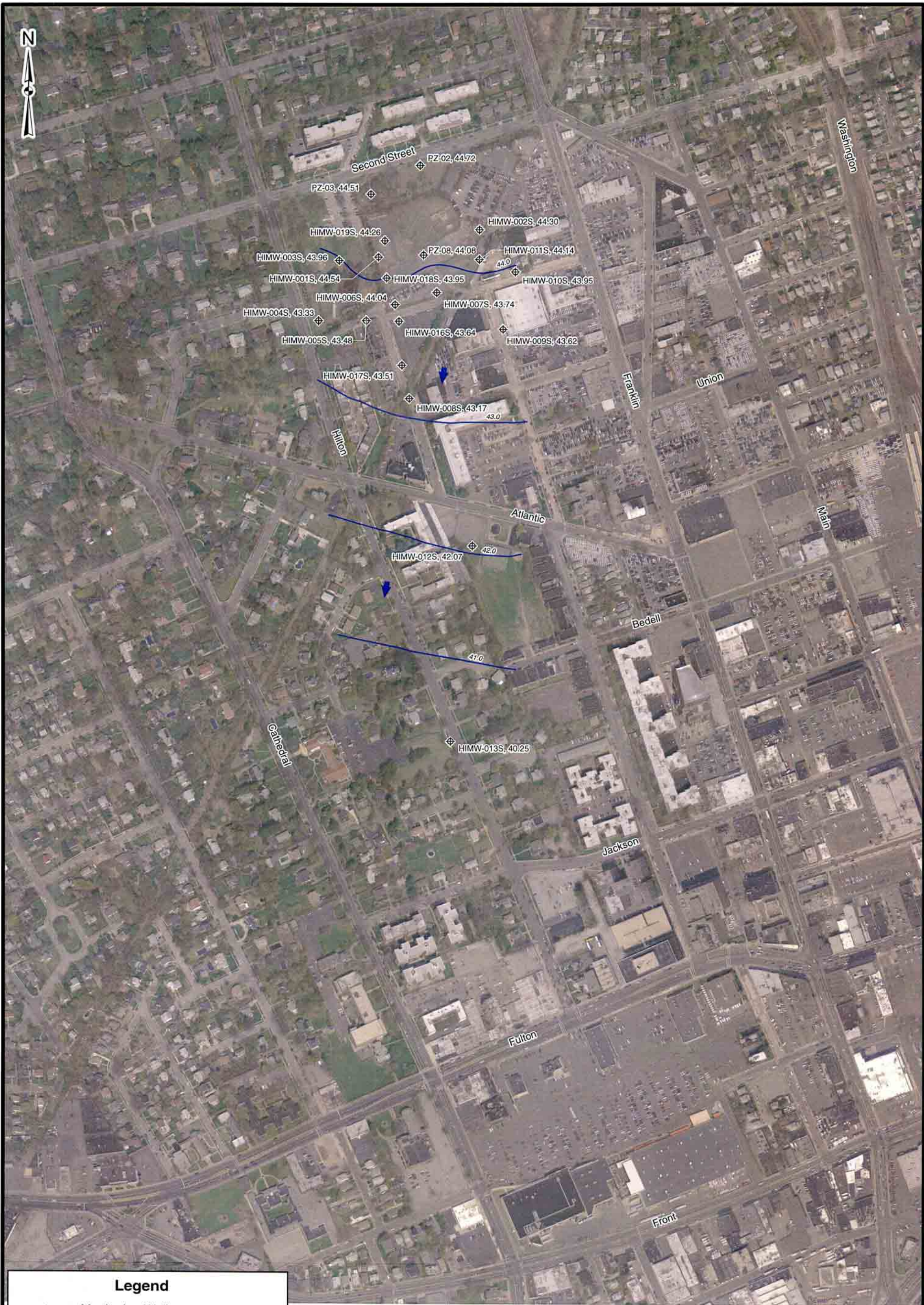


GARDEN CITY/HEMPSTEAD, NY  
 POTENTIOMETRIC SURFACE MAP FOR DEEP GROUNDWATER  
 JULY 15, 2007

FIGURE 8



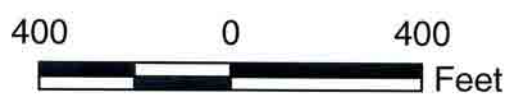




**Legend**

- ◆ Monitoring Well
- ← Groundwater Flow Direction
- 43.0 — Groundwater Elevation Contour

Location ID	— HIMW-002S, 44.30 —	Groundwater Elevation (ft.)
-------------	----------------------	-----------------------------



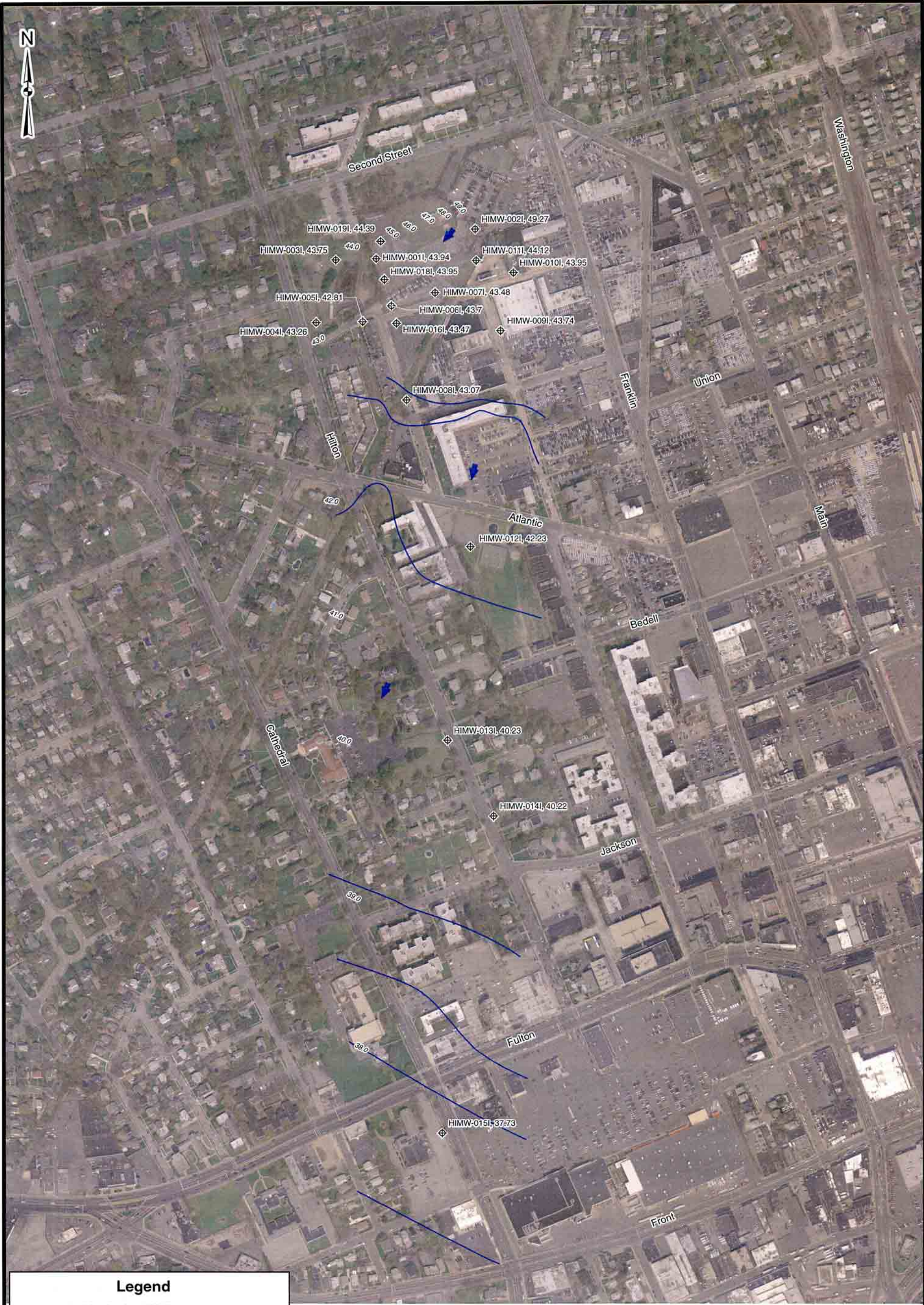
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**GARDEN CITY/HEMPSTEAD, NY  
POTENTIOMETRIC SURFACE MAP FOR SHALLOW GROUNDWATER  
APRIL 15, 2007**

**FIGURE 9**

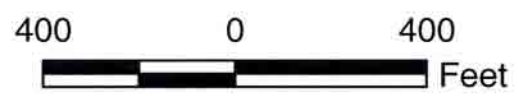




**Legend**

- ⊕ Monitoring Well
- ➡ Groundwater Flow Direction
- 48.0 — Groundwater Elevation Contour

Location ID	HIMW-0021, 49.27	Groundwater Elevation (ft.)
-------------	------------------	-----------------------------



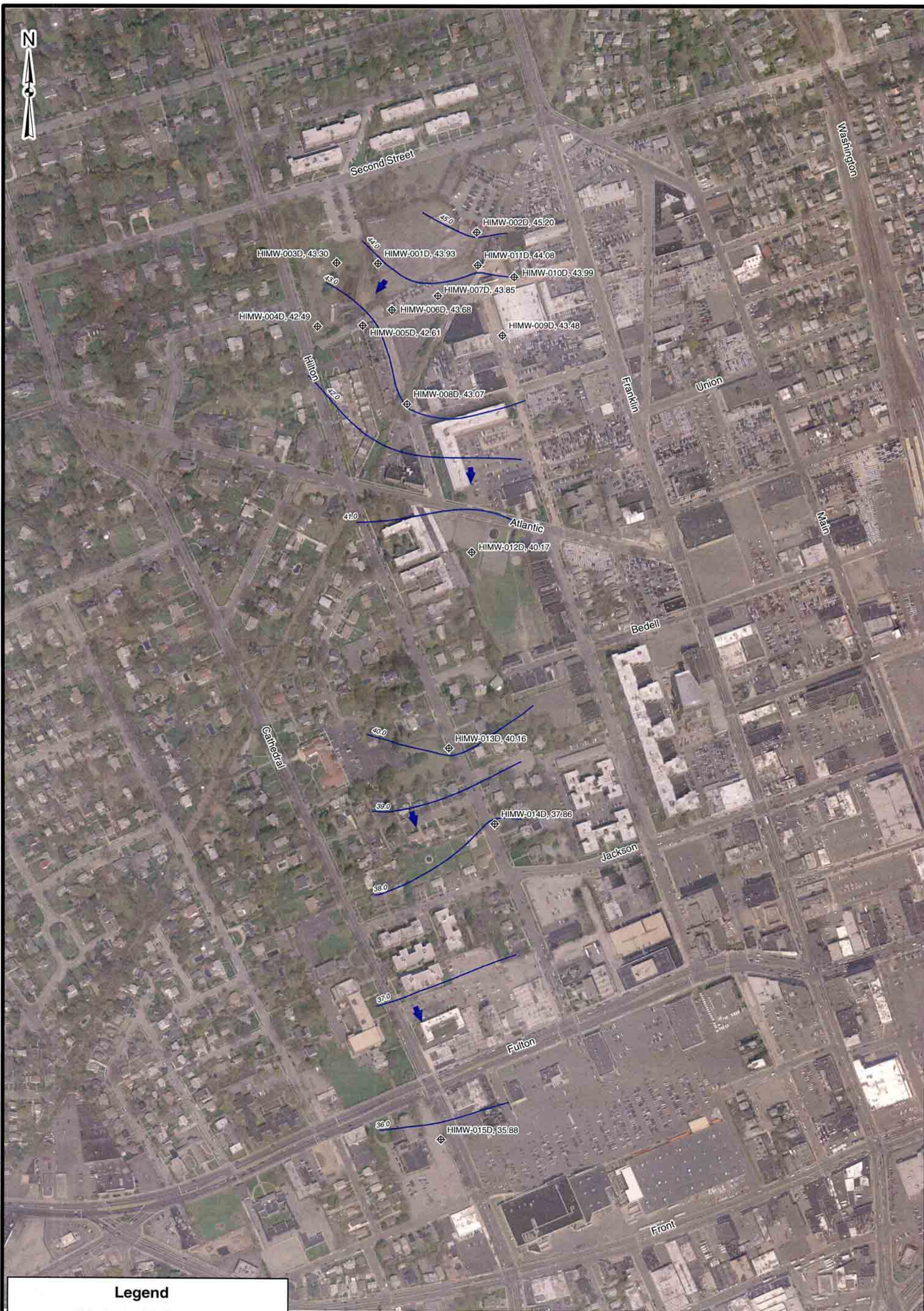
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GARDEN CITY/HEMPSTEAD, NY  
 POTENTIOMETRIC SURFACE MAP FOR INTERMEDIATE GROUNDWATER  
 APRIL 15, 2007

FIGURE 10

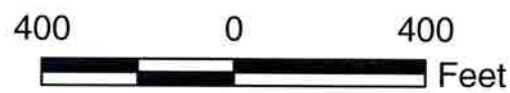




**Legend**

-  Monitoring Well
-  Groundwater Flow Direction
-  Groundwater Elevation Contour

Location ID — HIMW-002D, 45.20 — Groundwater Elevation (ft.)



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GARDEN CITY/HEMPSTEAD, NY  
POTENTIOMETRIC SURFACE MAP FOR DEEP GROUNDWATER  
APRIL 15, 2007

FIGURE 11





HIMW-001I  
 DNAPL, 3  
 LNAPL, 0

HIMW-019S  
 DNAPL, TR  
 LNAPL, 0

HIMW-003S  
 DNAPL, 0  
 LNAPL, 0

HIMW-001S  
 DNAPL, 0  
 LNAPL, 0

HIMW-018S  
 DNAPL, TR  
 LNAPL, 0

HIMW-003I  
 DNAPL, 0  
 LNAPL, 0

PZ-08  
 DNAPL, 1.5  
 LNAPL, 0

Second Street

HIMW-006S  
 DNAPL, 2.2  
 LNAPL, SH

HIMW-011S  
 DNAPL, 0  
 LNAPL, SH

HIMW-007S  
 DNAPL, 0.2  
 LNAPL, 0

HIMW-005I  
 DNAPL, 0  
 LNAPL, 0

HIMW-016I  
 DNAPL, 5.6  
 LNAPL, 0

HIMW-016S  
 DNAPL, 3.5  
 LNAPL, 0

HIMW-005S  
 DNAPL, 0  
 LNAPL, 0

HIMW-008S  
 DNAPL, 0  
 LNAPL, 0

HIMW-005D  
 DNAPL, 0  
 LNAPL, 0

HIMW-008D  
 DNAPL, 0  
 LNAPL, 0

HIMW-008I  
 DNAPL, 0  
 LNAPL, 0

HIMW-012D  
 DNAPL, 0  
 LNAPL, 0

HIMW-012I  
 DNAPL, 0  
 LNAPL, 0

HIMW-012S  
 DNAPL, 0  
 LNAPL, 0

Atlantic

HIMW-013I  
 DNAPL, 0  
 LNAPL, 0

HIMW-013D  
 DNAPL, 0  
 LNAPL, 0

HIMW-013S  
 DNAPL, 0  
 LNAPL, 0

HIMW-014I  
 DNAPL, 0  
 LNAPL, 0

HIMW-014D  
 DNAPL, 0  
 LNAPL, 0

Cathedral

Hilton

Jackson

HIMW-015S  
 DNAPL, 0  
 LNAPL, 0

HIMW-015D  
 DNAPL, 0  
 LNAPL, 0

Fulton

Front

Washington

Union

Franklin

Main

Bedell

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GARDEN CITY/HEMPSTEAD, NY  
 FREE PRODUCT THICKNESS  
 OCTOBER 15 - 23, 2007

FIGURE 12









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Legend

- Monitoring Well - Product Detected
- Monitoring Well - Product Not Detected

Location ID	DNAPL	LNAPL	NAPL Thickness (ft)
HIMW-007S	2.16	0	0
HIMW-007I	0	0	0
HIMW-007D	0	0	0



GARDEN CITY/HEMPSTEAD, NY  
 FREE PRODUCT THICKNESS  
 APRIL 15, 2007

FIGURE 14

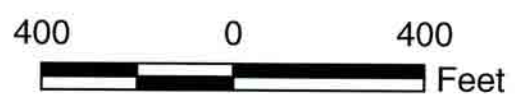




**Legend**

- Monitoring Well - Not Sampled
- Monitoring Well - Compound Not Detected
- Monitoring Well - Compound Detected

Location ID — HIMW-002D  
 BTEX, ND — Concentration  
 PAH, ND (ug/L)



GARDEN CITY/HEMPSTEAD, NY  
 TOTAL DISSOLVED-PHASE BTEX AND PAH CONCENTRATIONS  
 OCTOBER 15 - 23, 2007

FIGURE 15

J:\11175065.00000\GIS\ARCMAPI\1007 BTEX\PAH.mxd 1/18/2008



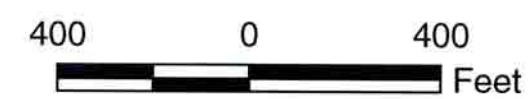




**Legend**

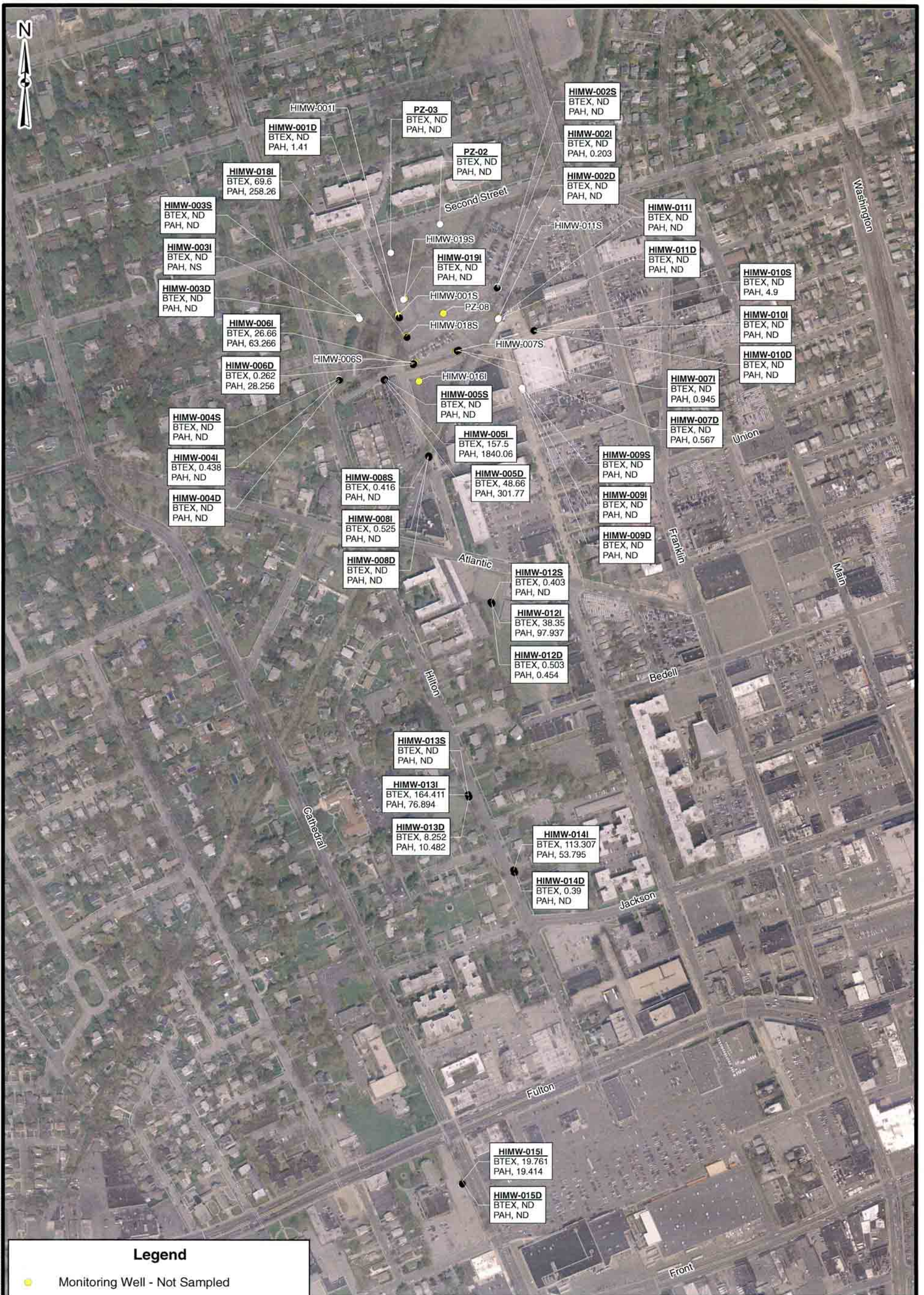
- Monitoring Well - Not Sampled
- Monitoring Well - Compound Not Detected
- Monitoring Well - Compound Detected

Location ID — HIMW-002D  
 BTEX, ND — Concentration  
 PAH, ND (ug/L)



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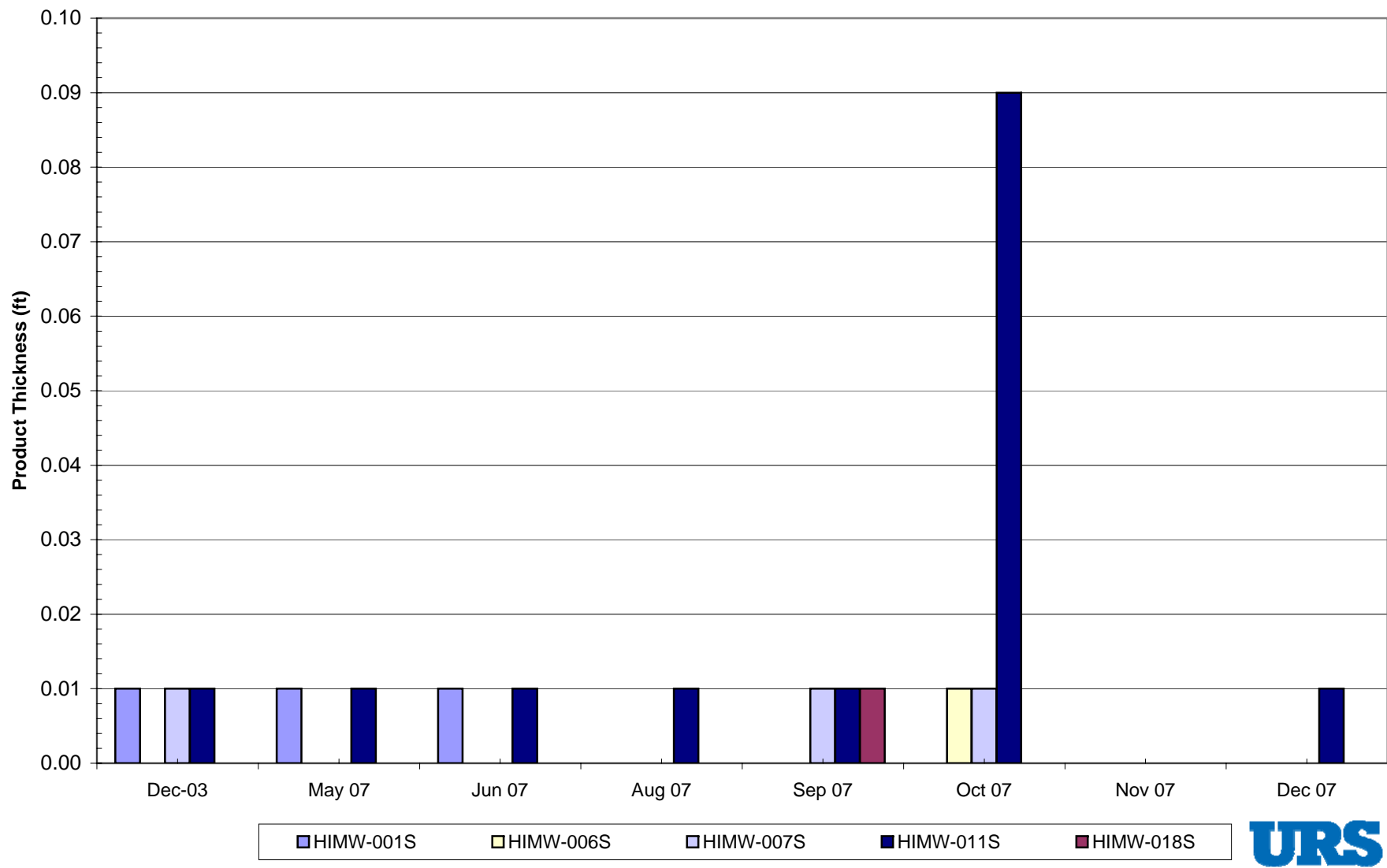


GARDEN CITY/HEMPSTEAD, NY  
 TOTAL DISSOLVED-PHASE BTEX AND PAH CONCENTRATIONS  
 APRIL 4-17, 2007

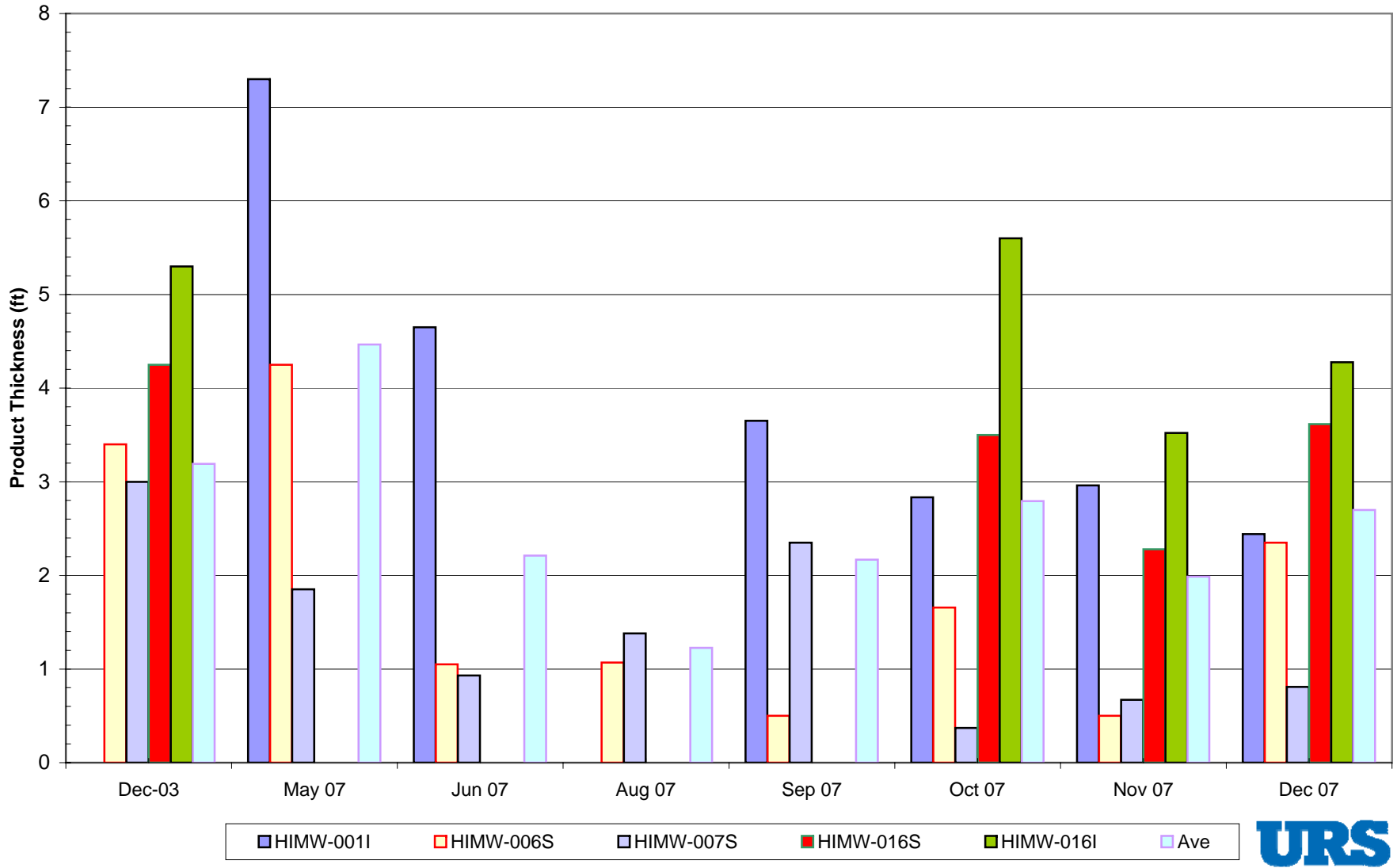
FIGURE 17



**Figure 18**  
**Hempstead Intersection St. Former MGP Site**  
**Product Thickness vs Time**  
**LNAPL**

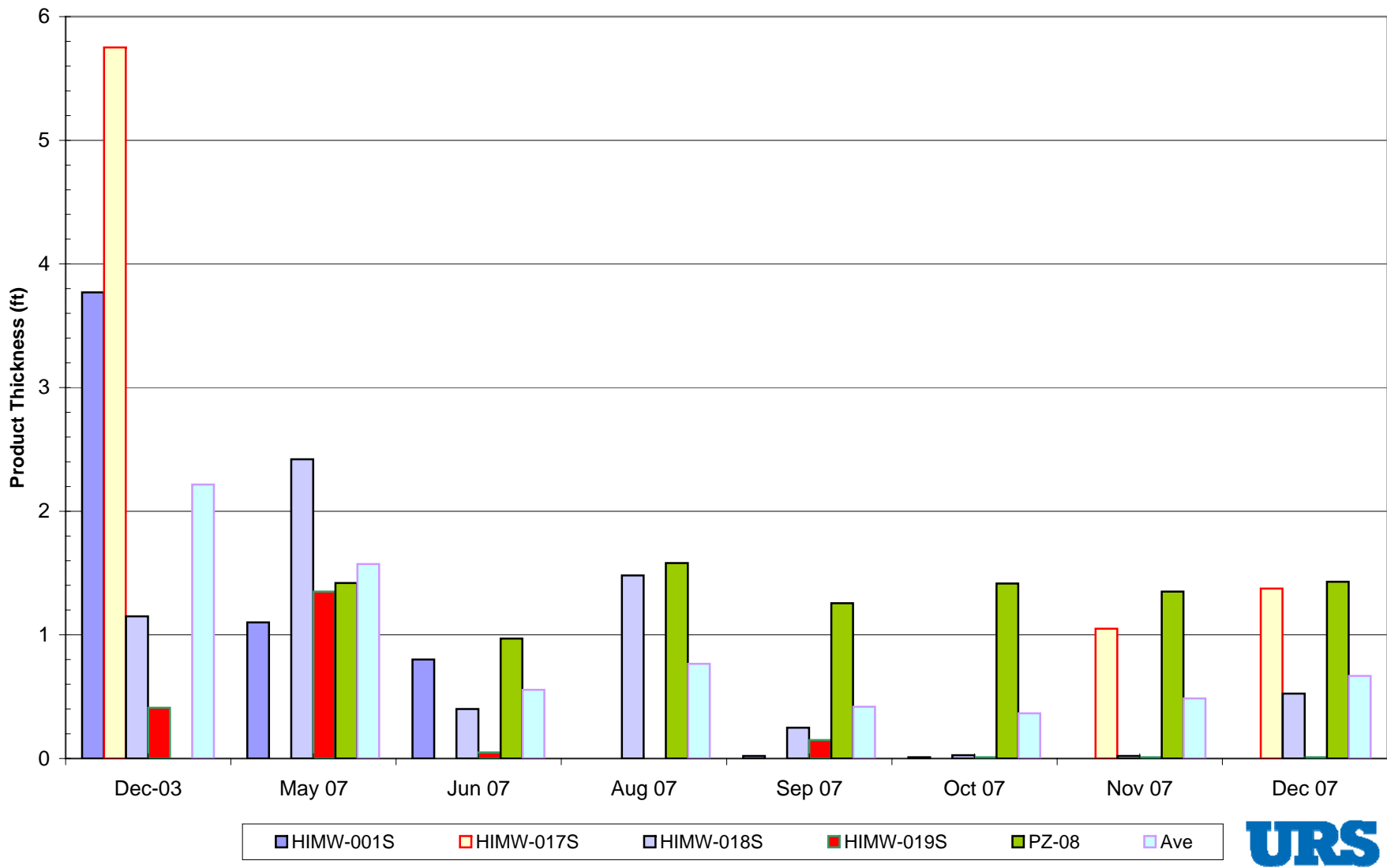


**Figure 19**  
**Hempstead Intersection St. Former MGP Site**  
**Product Thickness vs Time**  
**DNAPL**  
**High Levels**

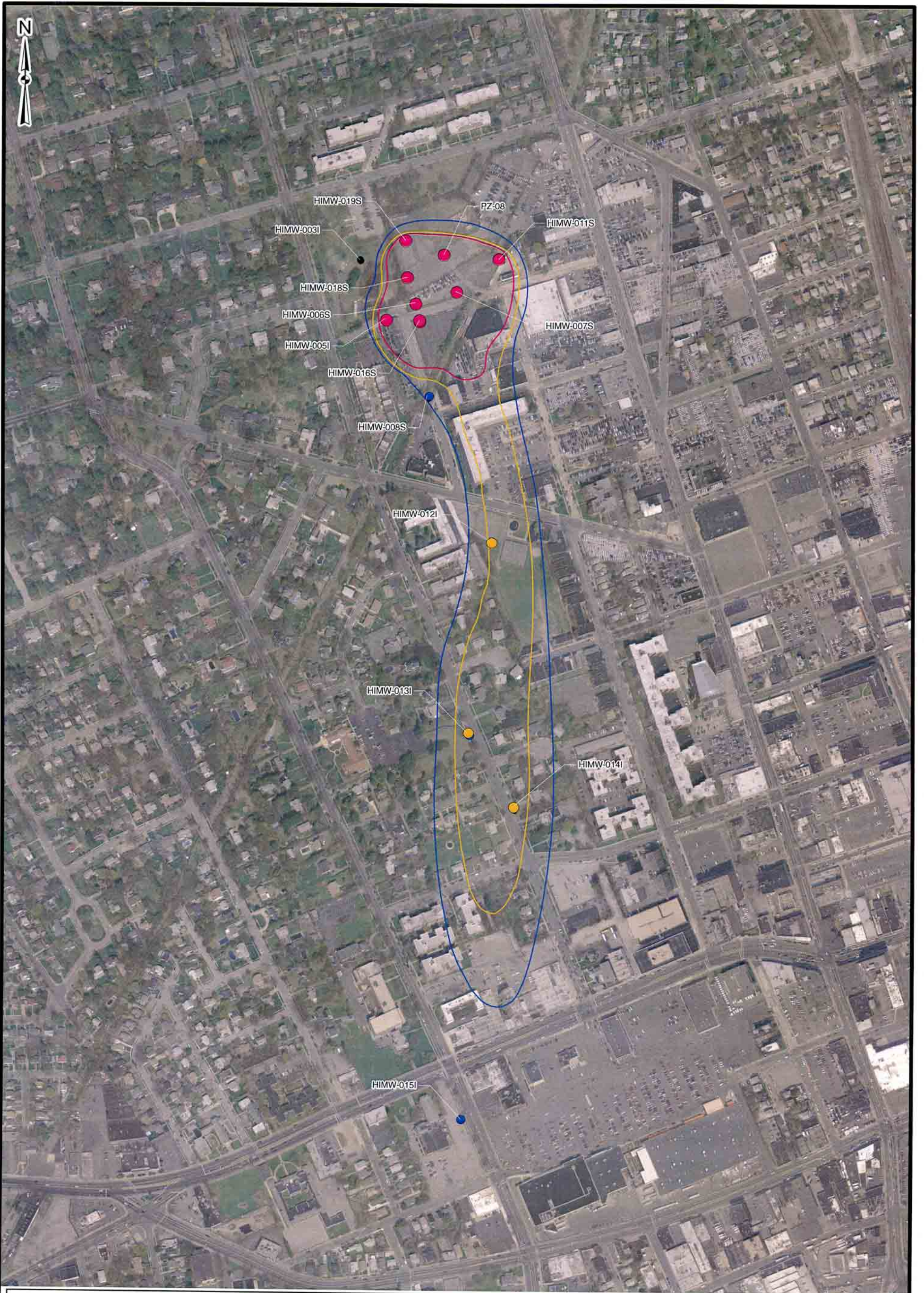


**Figure 20**  
**Hempstead Intersection St. Former MGP Site**  
**Product Thickness vs Time**

**DNAPL**  
**Low Levels**







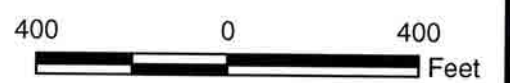
**Legend**

Monitoring Well Cluster - Highest BTEX/ PAH Concentrations (ug/L):

- Not Detected
- 1 - 10
- 10 - 100
- 100 - 1,000
- > 1,000; or Product Detected
- Not Sampled

Isoconcentration Line (ppb):

- 50
- 100
- 1,000

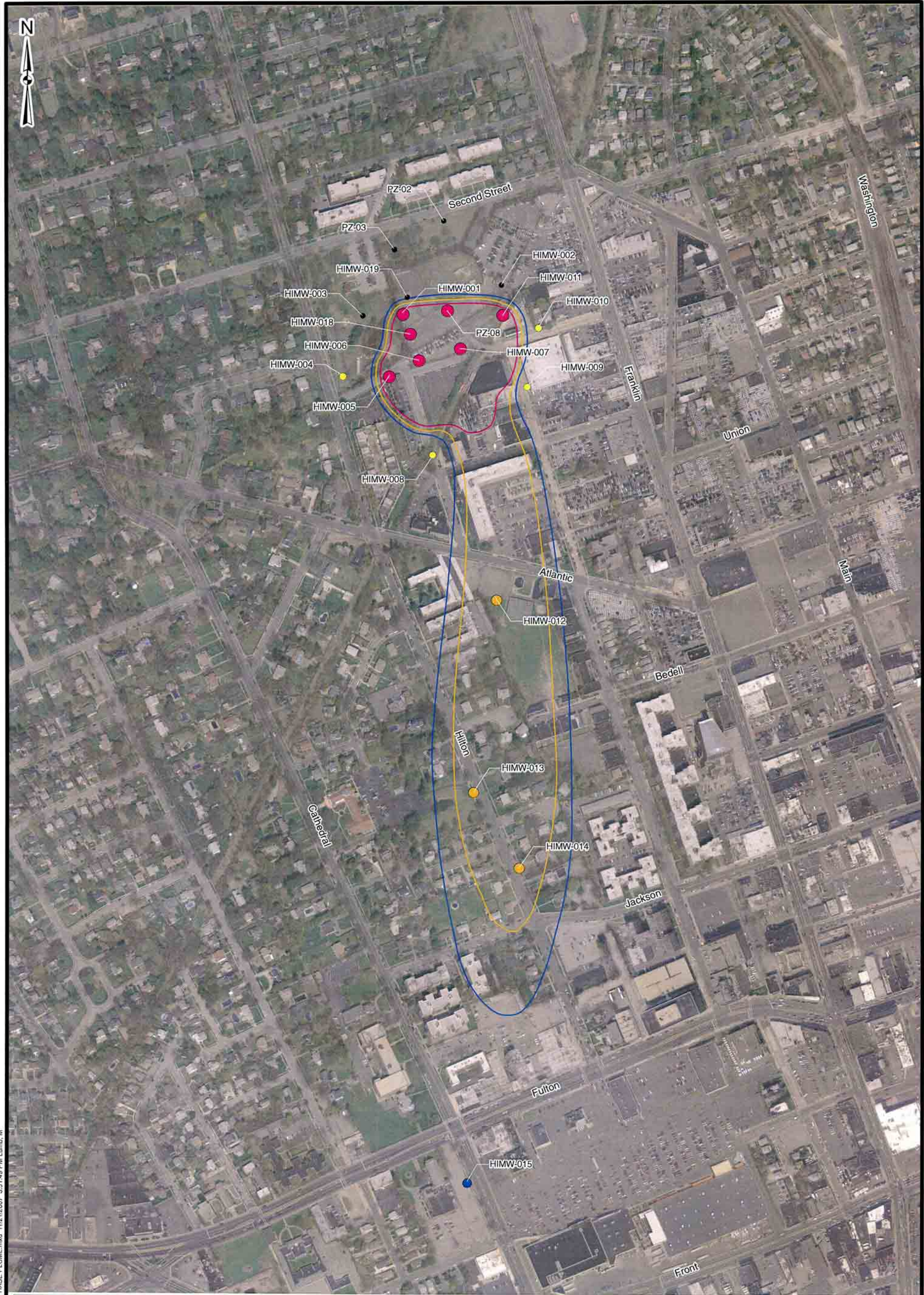


GARDEN CITY/HEMPSTEAD, NY  
EXTENT OF DISSOLVED-PHASE PLUME  
OCTOBER 15 - 23, 2007

FIGURE 21

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Monitoring Well Cluster - Highest BTEX/ PAH Concentrations (ug/L):		Isoconcentration Line (ppb):	
● Not Detected	● 100 - 1,000	— 50	— 1,000
● 1 - 10	● > 1,000; or Product Detected	— 100	
● 10 - 100			



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GARDEN CITY/HEMPSTEAD, NY  
EXTENT OF DISSOLVED-PHASE PLUME  
JULY 24 - AUGUST 6, 2007

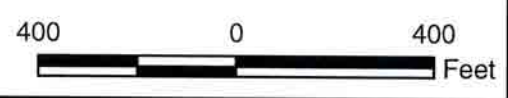
FIGURE 22





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Monitoring Well Cluster - Highest BTEX/ PAH Concentrations (ug/L):		Isoconcentration Line (ppb):	
●	Not Detected	—	50
●	1 - 10	—	100
●	10 - 100	—	1,000
●	> 1,000; or Product Detected		



GARDEN CITY/HEMPSTEAD, NY  
 EXTENT OF DISSOLVED-PHASE PLUME  
 APRIL 4-17, 2007

FIGURE 23



**ATTACHMENT A**

**DATA USABILITY SUMMARY REPORTS FOR**

**SECOND, THIRD AND FOURTH QUARTERS 2007**

**ATTACHMENT A  
DATA USABILITY SUMMARY REPORT  
SECOND QUARTER 2007**

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

**Analyses Performed by:  
INTEGRATED ANALYTICAL LABORATORIES, LLC**

**Prepared For:  
KEYSPAN CORPORATION  
175 EAST OLD COUNTRY RD.  
HICKSVILLE, NY 11801**

**Prepared by:  
URS CORPORATION  
77 GOODELL STREET  
BUFFALO, NY 14203**

**NOVEMBER 2007**

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II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION.....	A-1
III. DATA DELIVERABLE COMPLETENESS.....	A-3
IV. HOLDING TIMES/SAMPLE RECEIPT.....	A-3
V. NON-CONFORMANCES .....	A-4
VI. SAMPLE RESULTS AND REPORTING.....	A-5
VII. SUMMARY .....	A-6

**TABLES**

(Following Text)

Table A-1 Validated Groundwater Sample Analytical Results

**ATTACHMENTS**

(Following Tables)

Appendix A Validated Form 1's

Appendix B Support Documentation

## **I. INTRODUCTION**

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *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 the forty-three (43) groundwater samples, two matrix spike/matrix spike duplicate (MS/MSD) pairs, four field/rinsate blanks, and 10 trip blanks collected by URS personnel on April 3 - May 2, 2007 are discussed in this DUSR. The samples were collected as part of the second quarter 2007 groundwater monitoring event at the Hempstead Intersection Street Former MGP Site.

## **II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION**

The samples were analyzed by Integrated Analytical Laboratories, LLC (Randolph, NJ) for the following parameters:

- Benzene, toluene, ethylbenzene, and xylene (BTEX)– USEPA Method 624;
- Polycyclic aromatic hydrocarbons (PAHs)– USEPA Method 625;
- Total and dissolved iron– USEPA Method 200.7;
- Methane – USEPA Method SW3810;
- Total Alkalinity– Standard Method (SM) 2320B;
- Nitrate – SM 4500-NO<sub>3</sub>F;
- Nitrite – USGS Method I-4540-85;
- Sulfate – USEPA Method 375.4;
- Free Carbon Dioxide – SM 4500-CO<sub>2</sub>-D;
- Heterotrophic Plate Count– SM 9215B; and
- Fuel Fingerprint – USEPA SW8015B-Modified.

Not all samples were analyzed for all parameters.

A limited data validation was performed on the samples in accordance with the guidelines 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;*
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, SOP HW-22, Rev. 3, October 2006; and*
- *Validation of Metals for the Contract Laboratory Program (CLP) Based on SOW ILM05.3, SOP HW-2, Rev. 13, September 2006.*

Due to the limited amount of data provided by the laboratory, this DUSR has not been prepared in strict compliance with the NYSDEC requirements. A NYSDEC Analytical Services Protocol (ASP) Category B data package (or equivalent) is required for a complete evaluation of data and DUSR preparation.

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), 'NJ' (tentative identification), and 'UJ' (estimated quantitation limit). The validated analytical results for the groundwater samples are presented in Table A-1. Copies of the validated laboratory results (i.e., Form 1's) are presented in Appendix A. It should be noted that field QC results (i.e., field and trip blanks) are not presented in the tables, but are included with the Form 1's 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**

Limited deliverable data packages were provided by the laboratory, which included reporting forms and case narratives. The data package included sample chromatograms and quantitation reports for organic analyses, but no sample spectra or instrument calibration raw data were provided for the BTEX and PAH analyses. The data packages did not include any raw data for the inorganic parameters.

### **IV. HOLDING TIMES/SAMPLE RECEIPT**

All samples were received by the laboratories intact and under proper chain-of-custody, and were analyzed within the required holding times, except for the following instances.

- Trip blanks were not collected on April 3-4, 2007 for BTEX analysis. Since BTEX were not detected in any of the samples collected on these dates, no data qualification was necessary.
- For samples collected on April 10, 2007, the laboratory inadvertently labeled the associated trip blank as a field rinsate blank (i.e., FB041007). This was confirmed with the field notes. Only BTEX and methane analysis were requested on this field QC blank, which is typical of a trip blank. Field rinsate blanks are typically collected for all parameters sampled on the same day. The data reviewer made the appropriate ID changes to the data package (i.e., TB041007).
- The PAH containers for samples HIMW-03I and HIMW-08S (collected on April 5 and 6, 2007, respectively) were received broken at the laboratory. An additional sample aliquot for PAHs was subsequently collected on April 17, 2007 for sample HIMW-08S, but no further sample volume was collected for HIMW-03I.

- The dissolved iron (Fe) samples were filtered and then preserved immediately upon sample receipt at the laboratory. Since the samples were received at the laboratory the same day, no data qualification was necessary.
- A blind field duplicate (20070411-FD-1) was collected on April 11, 2007. However, the data reviewer could not definitively identify the parent sample, because this information was not documented in the field notes by the sampler and multiple samples were collected on the same day. Therefore, the field duplicate data was not included in Table A-1, nor are the results discussed in this DUSR.

## V. NON-CONFORMANCES

- Instrument Calibration

The percent difference (%D) between the initial calibration (ICAL) average relative response factor (RRF) and the RRF in the continuing calibration (CCAL) standards associated with samples HIMW-08I, HIMW-09D, HIMW-10I, HIMW-12S, HIMW-13D, and HIMW-14I were greater than 20% for PAH benzo(b)fluoranthene. The non-detect results for benzo(b)fluoranthene in these samples were qualified 'UJ'.

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

- Blank Contamination

The field blanks associated with samples HIMW-10D, HIMW-04I, HIMW-15 D, and HIMW-15I and exhibited contamination for heterotrophic plate count (HPC) analysis. The HPC results for these samples were qualified 'J', because they were less than 10 times the field blank concentrations.



Documentation supporting the qualification of data (i.e., method blank Forms 1 and 4, or equivalent) is presented in Attachment A.

## VI. SAMPLE RESULTS AND REPORTING

All sample results were reported in accordance with method requirements and were adjusted for sample size and dilution factors, except for the following instances.

- The laboratory reported all non-detect results down the method detection limits (MDLs), instead of to the quantitation limits (equivalent to the low-point of calibration curve). Results below the quantitation limits were not qualified 'J' by the laboratory.
- For sample HIMW-14I, the detected fluoranthene result was reported by the laboratory below the MDL, and qualified 'J'. Typically, laboratories do not report results below the MDL. The fluoranthene result for this sample was qualified 'J' and should be used with caution, because the laboratory did not submit raw and enhanced spectra to confirm its positive identification.
- The metals "Conformance/Nonconformance Summaries" for total and dissolved Fe reported that several samples exhibited high sediment content, which could affect sample result reproducibility, due to the leaching capacity of some metals into solution over extended storage time. The laboratory took precautions to take representative sample aliquots for metals analysis. Of all the samples that were affected, only sample HIMW-15D had a dissolved Fe result greater than its total result. Since the relative percent difference (RPD) between the two results was 3.6%, which is within USEPA Region II data validation QC limits (i.e.,  $\leq 20\%$ ), no data qualification was necessary.
- The laboratory reported fuel oil #2 (i.e., diesel fuel) as the closest match in the fuel fingerprint analysis of sample HIMW-11S collected on 4/17/07. The result was

qualified 'NJ' because the chromatographic pattern of the sample was not a definitive match to the diesel fuel standard. The sample's chromatographic pattern suggests that lower molecular weight petroleum products may also be present in the sample.

- The BTEX analyses of samples HIMW-05I and HIMW-13I required secondary dilutions to allow for quantification of all project target analytes within the calibration range of the instrument. Results reported from secondary dilution analyses were qualified 'D' by the laboratory.
- The PAH MDLs for samples HIMW-03S and PZ-02 were elevated by a factor of two because the laboratory used 500 mL sample aliquots instead of 1 liter for extraction. There was no documentation in the data package citing limited volume for these samples.
- The PAH analyses of samples HIMW-5D, HIMW-5I, and HIMW-18I required secondary dilution due to the high concentration of target compounds in the samples. The laboratory only reported results from the dilution analyses, therefore the MDLs for the non-detect compounds are elevated.

## 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), 'NJ' (tentative identification) or 'UJ' (estimated quantitation limit) are considered conditionally usable. All other sample results are usable as reported. URS does not recommend the recollection of any samples at this time.

Prepared By: Peter R. Fairbanks, Senior Chemist *PF* Date: 11/21/07  
Reviewed By: Mary E. Bitka, Principal Chemist *MEB* Date: 11/21/07

## 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**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-001D	HIMW-002D	HIMW-002I	HIMW-002S	HIMW-003D
Sample ID		HIMW-1D	HIMW-02D	HIMW-02I	HIMW-02S	HIMW-03D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/13/07	04/16/07	04/16/07	04/17/07	04/04/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	0.260 U	0.260 U	0.260 U	0.260 U	0.250 U
Ethylbenzene	UG/L	0.400 U	0.400 U	0.400 U	0.400 U	0.300 U
Toluene	UG/L	0.260 U	0.260 U	0.260 U	0.260 U	0.310 U
Xylene (total)	UG/L	1.21 U	1.21 U	1.21 U	1.21 U	0.800 U
Total BTEX	UG/L	ND	ND	ND	ND	ND
<b>Semivolatile Organic Compounds</b>						
Acenaphthene	UG/L	0.085 U	0.085 U	0.085 U	0.085 U	0.170 U
Acenaphthylene	UG/L	0.079 U	0.079 U	0.079 U	0.079 U	0.158 U
Anthracene	UG/L	0.214 U	0.214 U	0.214 U	0.214 U	0.428 U
Benzo(a)anthracene	UG/L	0.130 U	0.130 U	0.130 U	0.130 U	0.260 U
Benzo(a)pyrene	UG/L	0.190 U	0.190 U	0.190 U	0.190 U	0.380 U
Benzo(b)fluoranthene	UG/L	0.270 U	0.270 U	0.270 U	0.270 U	0.540 U
Benzo(g,h,i)perylene	UG/L	0.293 U	0.293 U	0.293 U	0.293 U	0.586 U
Benzo(k)fluoranthene	UG/L	0.250 U	0.250 U	0.250 U	0.250 U	0.500 U
Chrysene	UG/L	0.142 U	0.142 U	0.142 U	0.142 U	0.284 U
Dibenz(a,h)anthracene	UG/L	0.360 U	0.360 U	0.360 U	0.360 U	0.720 U
Fluoranthene	UG/L	0.288 U	0.288 U	0.288 U	0.288 U	0.576 U
Fluorene	UG/L	0.128 U	0.128 U	0.128 U	0.128 U	0.256 U
Indeno(1,2,3-cd)pyrene	UG/L	0.260 U	0.260 U	0.260 U	0.260 U	0.520 U
Naphthalene	UG/L	1.41	0.079 U	0.203	0.079 U	0.158 U
Phenanthrene	UG/L	0.220 U	0.220 U	0.220 U	0.220 U	0.440 U
Pyrene	UG/L	0.144 U	0.144 U	0.144 U	0.144 U	0.288 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	1.41	ND	0.203	ND	ND

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-001D	HIMW-002D	HIMW-002I	HIMW-002S	HIMW-003D
Sample ID		HIMW-1D	HIMW-02D	HIMW-02I	HIMW-02S	HIMW-03D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/13/07	04/16/07	04/16/07	04/17/07	04/04/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO3)	UG/L	NA	NA	NA	NA	NA
Diesel Fuel	POS/NEG	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	NA	NA	NA
Nitrite-Nitrogen	UG/L	NA	NA	NA	NA	NA
Sulfate (as SO4)	UG/L	NA	NA	NA	NA	NA
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	NA	NA
Methane	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-003I	HIMW-003S	HIMW-004D	HIMW-004I	HIMW-004S
Sample ID		HIMW-03I	HIMW-3S	HIMW-04D	HIMW-04I	HIMW-04S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/05/07	04/03/07	04/04/07	04/05/07	04/04/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
Ethylbenzene	UG/L	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U
Toluene	UG/L	0.310 U	0.310 U	0.310 U	0.438	0.310 U
Xylene (total)	UG/L	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U
Total BTEX	UG/L	ND	ND	ND	0.438	ND
<b>Semivolatile Organic Compounds</b>						
Acenaphthene	UG/L	NA	0.170 U	0.170 U	0.170 U	0.170 U
Acenaphthylene	UG/L	NA	0.158 U	0.158 U	0.158 U	0.158 U
Anthracene	UG/L	NA	0.428 U	0.428 U	0.428 U	0.428 U
Benzo(a)anthracene	UG/L	NA	0.260 U	0.260 U	0.260 U	0.260 U
Benzo(a)pyrene	UG/L	NA	0.380 U	0.380 U	0.380 U	0.380 U
Benzo(b)fluoranthene	UG/L	NA	0.540 U	0.540 U	0.540 U	0.540 U
Benzo(g,h,i)perylene	UG/L	NA	0.586 U	0.586 U	0.586 U	0.586 U
Benzo(k)fluoranthene	UG/L	NA	0.500 U	0.500 U	0.500 U	0.500 U
Chrysene	UG/L	NA	0.284 U	0.284 U	0.284 U	0.284 U
Dibenz(a,h)anthracene	UG/L	NA	0.720 U	0.720 U	0.720 U	0.720 U
Fluoranthene	UG/L	NA	0.576 U	0.576 U	0.576 U	0.576 U
Fluorene	UG/L	NA	0.256 U	0.256 U	0.256 U	0.256 U
Indeno(1,2,3-cd)pyrene	UG/L	NA	0.520 U	0.520 U	0.520 U	0.520 U
Naphthalene	UG/L	NA	0.158 U	0.158 U	0.158 U	0.158 U
Phenanthrene	UG/L	NA	0.440 U	0.440 U	0.440 U	0.440 U
Pyrene	UG/L	NA	0.288 U	0.288 U	0.288 U	0.288 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	NA	ND	ND	ND	ND

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-003I	HIMW-003S	HIMW-004D	HIMW-004I	HIMW-004S
Sample ID		HIMW-03I	HIMW-3S	HIMW-04D	HIMW-04I	HIMW-04S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/05/07	04/03/07	04/04/07	04/05/07	04/04/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	330	688	120
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	100 U	100 U	100 U
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO3)	UG/L	NA	NA	13,000	32,500	13,500
Diesel Fuel	POS/NEG	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	5,020	3,920	2,000
Nitrite-Nitrogen	UG/L	NA	NA	50.0 U	50.0 U	50.0 U
Sulfate (as SO4)	UG/L	NA	NA	23,100	29,700	22,700
Heterotrophic Plate Count	CFU/ML	NA	NA	56	980 J	26
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	34,400	20,500	22,000
Methane	UG/L	NA	NA	60.0 U	60.0 U	60.0 U

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**TABLE A-1  
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS  
KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-005D	HIMW-005I	HIMW-005S	HIMW-006D	HIMW-006I
Sample ID		HIMW-5D	HIMW-05I	HIMW-5S	HIMW-6D	HIMW-6I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/12/07	04/13/07	04/12/07	04/11/07	04/11/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	0.250 U	8.42	0.250 U	0.260 U	13.6
Ethylbenzene	UG/L	0.300 U	3.90	0.300 U	0.400 U	0.400 U
Toluene	UG/L	1.66	3.18	0.310 U	0.262	5.72
Xylene (total)	UG/L	47.0	142 D	0.800 U	1.21 U	7.34
Total BTEX	UG/L	48.66	157.5	ND	0.262	26.66
<b>Semivolatile Organic Compounds</b>						
Acenaphthene	UG/L	0.425 U	8.86	0.085 U	0.522	0.511
Acenaphthylene	UG/L	8.77	113	0.079 U	2.41	7.82
Anthracene	UG/L	1.07 U	5.35 U	0.214 U	2.18	0.214 U
Benzo(a)anthracene	UG/L	0.650 U	3.25 U	0.130 U	0.478	0.130 U
Benzo(a)pyrene	UG/L	0.950 U	4.75 U	0.190 U	0.190 U	0.190 U
Benzo(b)fluoranthene	UG/L	1.35 U	6.75 U	0.270 U	0.270 U	0.270 U
Benzo(g,h,i)perylene	UG/L	1.47 U	7.33 U	0.293 U	0.293 U	0.293 U
Benzo(k)fluoranthene	UG/L	1.25 U	6.25 U	0.250 U	0.250 U	0.250 U
Chrysene	UG/L	0.710 U	3.55 U	0.142 U	0.816	0.142 U
Dibenz(a,h)anthracene	UG/L	1.80 U	9.00 U	0.360 U	0.360 U	0.360 U
Fluoranthene	UG/L	1.44 U	7.20 U	0.288 U	1.47	0.288 U
Fluorene	UG/L	0.640 U	25.7	0.128 U	2.19	1.54
Indeno(1,2,3-cd)pyrene	UG/L	1.30 U	6.50 U	0.260 U	0.260 U	0.260 U
Naphthalene	UG/L	293	1,680	0.079 U	8.82	53.1
Phenanthrene	UG/L	1.10 U	12.5	0.220 U	7.04	0.295
Pyrene	UG/L	0.720 U	3.60 U	0.144 U	2.33	0.144 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	301.77	1,840.06	ND	28.256	63.266

Flags assigned during chemistry validation are shown.

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Checked By: PRF 11/20/2007

Detection Limits shown are PQL



**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-005D	HIMW-005I	HIMW-005S	HIMW-006D	HIMW-006I
Sample ID		HIMW-5D	HIMW-05I	HIMW-5S	HIMW-6D	HIMW-6I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/12/07	04/13/07	04/12/07	04/11/07	04/11/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	NA	NA	NA
Diesel Fuel	POS/NEG	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	NA	NA	NA
Nitrite-Nitrogen	UG/L	NA	NA	NA	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	NA	NA	NA
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	NA	NA
Methane	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-007D	HIMW-007I	HIMW-008D	HIMW-008I	HIMW-008S
Sample ID		HIMW-7D	HIMW-7I	HIMW-08D	HIMW-8I	HIMW-08S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/11/07	04/11/07	04/09/07	04/06/07	04/06/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	0.260 U	0.260 U	0.260 U	0.525	0.250 U
Ethylbenzene	UG/L	0.400 U	0.400 U	0.400 U	0.300 U	0.300 U
Toluene	UG/L	0.260 U	0.260 U	0.260 U	0.310 U	0.416
Xylene (total)	UG/L	1.21 U	1.21 U	1.21 U	0.800 U	0.800 U
Total BTEX	UG/L	ND	ND	ND	0.525	0.416
<b>Semivolatile Organic Compounds</b>						
Acenaphthene	UG/L	0.085 U	0.085 U	0.085 U	0.085 U	NA
Acenaphthylene	UG/L	0.079 U	0.079 U	0.079 U	0.079 U	NA
Anthracene	UG/L	0.214 U	0.214 U	0.214 U	0.214 U	NA
Benzo(a)anthracene	UG/L	0.130 U	0.130 U	0.130 U	0.130 U	NA
Benzo(a)pyrene	UG/L	0.190 U	0.190 U	0.190 U	0.190 U	NA
Benzo(b)fluoranthene	UG/L	0.270 U	0.270 U	0.270 U	0.270 U	NA
Benzo(g,h,i)perylene	UG/L	0.293 U	0.293 U	0.293 U	0.293 U	NA
Benzo(k)fluoranthene	UG/L	0.250 U	0.250 U	0.250 U	0.250 U	NA
Chrysene	UG/L	0.142 U	0.142 U	0.142 U	0.142 U	NA
Dibenz(a,h)anthracene	UG/L	0.360 U	0.360 U	0.360 U	0.360 U	NA
Fluoranthene	UG/L	0.288 U	0.288 U	0.288 U	0.288 U	NA
Fluorene	UG/L	0.128 U	0.128 U	0.128 U	0.128 U	NA
Indeno(1,2,3-cd)pyrene	UG/L	0.260 U	0.260 U	0.260 U	0.260 U	NA
Naphthalene	UG/L	0.239	0.945	0.079 U	0.079 U	NA
Phenanthrene	UG/L	0.328	0.220 U	0.220 U	0.220 U	NA
Pyrene	UG/L	0.144 U	0.144 U	0.144 U	0.144 U	NA
Total Polynuclear Aromatic Hydrocarbons	UG/L	0.567	0.945	ND	ND	NA

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

Detection Limits shown are PQL

**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-007D	HIMW-007I	HIMW-008D	HIMW-008I	HIMW-008S
Sample ID		HIMW-7D	HIMW-7I	HIMW-08D	HIMW-8I	HIMW-08S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/11/07	04/11/07	04/09/07	04/06/07	04/06/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	NA	NA	NA
Diesel Fuel	POS/NEG	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	NA	NA	NA
Nitrite-Nitrogen	UG/L	NA	NA	NA	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	NA	NA	NA
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	NA	NA
Methane	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**



**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-008S	HIMW-009D	HIMW-009I	HIMW-009S	HIMW-010D
Sample ID		HIMW-08S	HIMW-09D	HIMW-09I	HIMW-09S	HIMW-10D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/17/07	04/06/07	04/05/07	04/05/07	04/05/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	NA	0.250 U	0.250 U	0.250 U	0.250 U
Ethylbenzene	UG/L	NA	0.300 U	0.300 U	0.300 U	0.300 U
Toluene	UG/L	NA	0.310 U	0.310 U	0.310 U	0.310 U
Xylene (total)	UG/L	NA	0.800 U	0.800 U	0.800 U	0.800 U
Total BTEX	UG/L	NA	ND	ND	ND	ND
<b>Semivolatile Organic Compounds</b>						
Acenaphthene	UG/L	0.085 U	0.085 U	0.170 U	0.170 U	0.170 U
Acenaphthylene	UG/L	0.079 U	0.079 U	0.158 U	0.158 U	0.158 U
Anthracene	UG/L	0.214 U	0.214 U	0.428 U	0.428 U	0.428 U
Benzo(a)anthracene	UG/L	0.130 U	0.130 U	0.260 U	0.260 U	0.260 U
Benzo(a)pyrene	UG/L	0.190 U	0.190 U	0.380 U	0.380 U	0.380 U
Benzo(b)fluoranthene	UG/L	0.270 U	0.270 U	0.540 U	0.540 U	0.540 U
Benzo(g,h,i)perylene	UG/L	0.293 U	0.293 U	0.586 U	0.586 U	0.586 U
Benzo(k)fluoranthene	UG/L	0.250 U	0.250 U	0.500 U	0.500 U	0.500 U
Chrysene	UG/L	0.142 U	0.142 U	0.284 U	0.284 U	0.284 U
Dibenz(a,h)anthracene	UG/L	0.360 U	0.360 U	0.720 U	0.720 U	0.720 U
Fluoranthene	UG/L	0.288 U	0.288 U	0.576 U	0.576 U	0.576 U
Fluorene	UG/L	0.128 U	0.128 U	0.256 U	0.256 U	0.256 U
Indeno(1,2,3-cd)pyrene	UG/L	0.260 U	0.260 U	0.520 U	0.520 U	0.520 U
Naphthalene	UG/L	0.079 U	0.079 U	0.158 U	0.158 U	0.158 U
Phenanthrene	UG/L	0.220 U	0.220 U	0.440 U	0.440 U	0.440 U
Pyrene	UG/L	0.144 U	0.144 U	0.288 U	0.288 U	0.288 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	ND	ND	ND	ND	ND

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-008S	HIMW-009D	HIMW-009I	HIMW-009S	HIMW-010D
Sample ID		HIMW-08S	HIMW-09D	HIMW-09I	HIMW-09S	HIMW-10D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/17/07	04/06/07	04/05/07	04/05/07	04/05/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	NA	198
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	NA	100 U
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	NA	NA	9,000
Diesel Fuel	POS/NEG	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	NA	NA	1,980
Nitrite-Nitrogen	UG/L	NA	NA	NA	NA	50.0 U
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	NA	NA	15,200
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	NA	46 J
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	NA	9,900
Methane	UG/L	NA	NA	NA	NA	60.0 U

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

Detection Limits shown are PQL

**TABLE A-1  
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS  
KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-010I	HIMW-010S	HIMW-011D	HIMW-011I	HIMW-011S
Sample ID		HIMW-10I	HIMW-10S	HIMW-11D	HIMW-11I	HIMW-12S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/06/07	04/09/07	04/16/07	04/16/07	04/06/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	0.250 U	0.260 U	0.260 U	0.260 U	NA
Ethylbenzene	UG/L	0.300 U	0.400 U	0.400 U	0.400 U	NA
Toluene	UG/L	0.310 U	0.260 U	0.260 U	0.260 U	NA
Xylene (total)	UG/L	0.800 U	1.21 U	1.21 U	1.21 U	NA
Total BTEX	UG/L	ND	ND	ND	ND	NA
<b>Semivolatile Organic Compounds</b>						
Acenaphthene	UG/L	0.085 U	0.669	0.085 U	0.085 U	NA
Acenaphthylene	UG/L	0.079 U	0.250	0.079 U	0.079 U	NA
Anthracene	UG/L	0.214 U	0.214 U	0.214 U	0.214 U	NA
Benzo(a)anthracene	UG/L	0.130 U	0.130 U	0.130 U	0.130 U	NA
Benzo(a)pyrene	UG/L	0.190 U	0.190 U	0.190 U	0.190 U	NA
Benzo(b)fluoranthene	UG/L	0.270 U	0.270 U	0.270 U	0.270 U	NA
Benzo(g,h,i)perylene	UG/L	0.293 U	0.293 U	0.293 U	0.293 U	NA
Benzo(k)fluoranthene	UG/L	0.250 U	0.250 U	0.250 U	0.250 U	NA
Chrysene	UG/L	0.142 U	0.142 U	0.142 U	0.142 U	NA
Dibenz(a,h)anthracene	UG/L	0.360 U	0.360 U	0.360 U	0.360 U	NA
Fluoranthene	UG/L	0.288 U	0.288 U	0.288 U	0.288 U	NA
Fluorene	UG/L	0.128 U	0.809	0.128 U	0.128 U	NA
Indeno(1,2,3-cd)pyrene	UG/L	0.260 U	0.260 U	0.260 U	0.260 U	NA
Naphthalene	UG/L	0.079 U	1.28	0.079 U	0.079 U	NA
Phenanthrene	UG/L	0.220 U	1.53	0.220 U	0.220 U	NA
Pyrene	UG/L	0.144 U	0.362	0.144 U	0.144 U	NA
Total Polynuclear Aromatic Hydrocarbons	UG/L	ND	4.9	ND	ND	NA

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

Detection Limits shown are PQL



**TABLE A-1  
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS  
KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-010I	HIMW-010S	HIMW-011D	HIMW-011I	HIMW-011S
Sample ID		HIMW-10I	HIMW-10S	HIMW-11D	HIMW-11I	HIMW-12S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/06/07	04/09/07	04/16/07	04/16/07	04/06/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	199	9,250	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	100 U	8,660	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	3,000	28,000	NA	NA	35,000
Diesel Fuel	POS/NEG	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	2,420	3,040	NA	NA	2,480
Nitrite-Nitrogen	UG/L	50.0 U	90.0	NA	NA	50.0 U
Sulfate (as SO <sub>4</sub> )	UG/L	28,700	59,400	NA	NA	21,400
Heterotrophic Plate Count	CFU/ML	50	44	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	400 U	45,200	NA	NA	NA
Methane	UG/L	60.0 U	60.0 U	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-011S	HIMW-012D	HIMW-012I	HIMW-012S	HIMW-013D
Sample ID		HIMW-11S	HIMW-12D	HIMW-12I	HIMW-12S	HIMW-13D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/17/07	04/13/07	04/09/07	04/06/07	04/10/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	NA	0.503	20.8	0.250 U	4.13
Ethylbenzene	UG/L	NA	0.400 U	11.8	0.300 U	0.300 U
Toluene	UG/L	NA	0.260 U	0.260 U	0.403	0.532
Xylene (total)	UG/L	NA	1.21 U	5.75	0.800 U	3.59
Total BTEX	UG/L	NA	0.503	38.35	0.403	8.252
<b>Semivolatile Organic Compounds</b>						
Acenaphthene	UG/L	NA	0.085 U	30.5	0.085 U	4.00
Acenaphthylene	UG/L	NA	0.079 U	37.4	0.079 U	5.77
Anthracene	UG/L	NA	0.214 U	0.377	0.214 U	0.214 U
Benzo(a)anthracene	UG/L	NA	0.130 U	0.130 U	0.130 U	0.130 U
Benzo(a)pyrene	UG/L	NA	0.190 U	0.190 U	0.190 U	0.190 U
Benzo(b)fluoranthene	UG/L	NA	0.270 U	0.270 U	0.270 U	0.270 UJ
Benzo(g,h,i)perylene	UG/L	NA	0.293 U	0.293 U	0.293 U	0.293 U
Benzo(k)fluoranthene	UG/L	NA	0.250 U	0.250 U	0.250 U	0.250 U
Chrysene	UG/L	NA	0.142 U	0.142 U	0.142 U	0.142 U
Dibenz(a,h)anthracene	UG/L	NA	0.360 U	0.360 U	0.360 U	0.360 U
Fluoranthene	UG/L	NA	0.288 U	0.288 U	0.288 U	0.288 U
Fluorene	UG/L	NA	0.128 U	23.8	0.128 U	0.400
Indeno(1,2,3-cd)pyrene	UG/L	NA	0.260 U	0.260 U	0.260 U	0.260 U
Naphthalene	UG/L	NA	0.454	2.21	0.079 U	0.312
Phenanthrene	UG/L	NA	0.220 U	3.65	0.220 U	0.220 U
Pyrene	UG/L	NA	0.144 U	0.144 U	0.144 U	0.144 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	NA	0.454	97.937	ND	10.482

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**



**TABLE A-1  
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS  
KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-011S	HIMW-012D	HIMW-012I	HIMW-012S	HIMW-013D
Sample ID		HIMW-11S	HIMW-12D	HIMW-12I	HIMW-12S	HIMW-13D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/17/07	04/13/07	04/09/07	04/06/07	04/10/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	727	22,900	1,660	NA
<b>Dissolved Metals</b>						
Iron	UG/L	NA	124	20,800	100 U	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	13,000	65,000	NA	NA
Diesel Fuel	POS/NEG	POS NJ	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	955	500 U	NA	NA
Nitrite-Nitrogen	UG/L	NA	50.0 U	50.0 U	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	NA	54,700	38,400	NA	NA
Heterotrophic Plate Count	CFU/ML	NA	26	9	40	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	10,900	59,100	6,500	NA
Methane	UG/L	NA	60.0 U	64.9	60.0 U	NA

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-013I	HIMW-013S	HIMW-014D	HIMW-014I	HIMW-015D
Sample ID		HIMW-13I	HIMW-13S	HIMW-14D	HIMW-14I	HIMW-15D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/09/07	04/12/07	04/13/07	04/10/07	04/18/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	154 D	0.250 U	0.390	69.0	0.180 U
Ethylbenzene	UG/L	6.09	0.300 U	0.400 U	29.3	0.220 U
Toluene	UG/L	0.421	0.310 U	0.260 U	0.507	0.160 U
Xylene (total)	UG/L	3.90	0.800 U	1.21 U	14.5	0.630 U
Total BTEX	UG/L	164.411	ND	0.39	113.307	ND
<b>Semivolatile Organic Compounds</b>						
Acenaphthene	UG/L	5.20	0.085 U	0.085 U	14.8	0.085 U
Acenaphthylene	UG/L	46.1	0.079 U	0.079 U	24.6	0.079 U
Anthracene	UG/L	0.753	0.214 U	0.214 U	0.765	0.214 U
Benzo(a)anthracene	UG/L	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U
Benzo(a)pyrene	UG/L	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U
Benzo(b)fluoranthene	UG/L	0.270 U	0.270 U	0.270 U	0.270 UJ	0.270 U
Benzo(g,h,i)perylene	UG/L	0.293 U	0.293 U	0.293 U	0.293 U	0.293 U
Benzo(k)fluoranthene	UG/L	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
Chrysene	UG/L	0.142 U	0.142 U	0.142 U	0.142 U	0.142 U
Dibenz(a,h)anthracene	UG/L	0.360 U	0.360 U	0.360 U	0.360 U	0.360 U
Fluoranthene	UG/L	0.393	0.288 U	0.288 U	0.216 J	0.288 U
Fluorene	UG/L	11.8	0.128 U	0.128 U	7.31	0.128 U
Indeno(1,2,3-cd)pyrene	UG/L	0.260 U	0.260 U	0.260 U	0.260 U	0.260 U
Naphthalene	UG/L	0.949	0.079 U	0.079 U	1.11	0.079 U
Phenanthrene	UG/L	11.1	0.220 U	0.220 U	4.72	0.220 U
Pyrene	UG/L	0.599	0.144 U	0.144 U	0.274	0.144 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	76.894	ND	ND	53.795	ND

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

Detection Limits shown are PQL



**TABLE A-1  
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS  
KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-013I	HIMW-013S	HIMW-014D	HIMW-014I	HIMW-015D
Sample ID		HIMW-13I	HIMW-13S	HIMW-14D	HIMW-14I	HIMW-15D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/09/07	04/12/07	04/13/07	04/10/07	04/18/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	2,430	45,700	16,500
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	1,020	32,500	17,100
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	28,000	116,000	2,000 U
Diesel Fuel	POS/NEG	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	500 U	500 U	500 U
Nitrite-Nitrogen	UG/L	NA	NA	50.0 U	50.0 U	50.0 U
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	60,200	20,000	47,600
Heterotrophic Plate Count	CFU/ML	NA	NA	16	3	35 J
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	42,200	75,600	400 U
Methane	UG/L	NA	NA	60.0 U	60.0 U	NA

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-015I	HIMW-018I	HIMW-019I	PZ-02	PZ-03
Sample ID		HIMW-15I	HIMW-18I	HIMW-19I	PZ-02	PZ-03
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/18/07	05/02/07	04/12/07	04/03/07	04/04/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	19.5	2.68	0.250 U	0.250 U	0.250 U
Ethylbenzene	UG/L	0.220 U	0.400 U	0.300 U	0.300 U	0.300 U
Toluene	UG/L	0.261	3.32	0.310 U	0.310 U	0.310 U
Xylene (total)	UG/L	0.630 U	63.6	0.800 U	0.800 U	0.800 U
Total BTEX	UG/L	19.761	69.6	ND	ND	ND
<b>Semivolatile Organic Compounds</b>						
Acenaphthene	UG/L	2.53	1.62	0.085 U	0.170 U	0.170 U
Acenaphthylene	UG/L	13.3	18.4	0.079 U	0.158 U	0.158 U
Anthracene	UG/L	0.255	1.28 U	0.214 U	0.428 U	0.428 U
Benzo(a)anthracene	UG/L	0.130 U	0.780 U	0.130 U	0.260 U	0.260 U
Benzo(a)pyrene	UG/L	0.190 U	1.14 U	0.190 U	0.380 U	0.380 U
Benzo(b)fluoranthene	UG/L	0.270 U	1.62 U	0.270 U	0.540 U	0.540 U
Benzo(g,h,i)perylene	UG/L	0.293 U	1.76 U	0.293 U	0.586 U	0.586 U
Benzo(k)fluoranthene	UG/L	0.250 U	1.50 U	0.250 U	0.500 U	0.500 U
Chrysene	UG/L	0.142 U	0.852 U	0.142 U	0.284 U	0.284 U
Dibenz(a,h)anthracene	UG/L	0.360 U	2.16 U	0.360 U	0.720 U	0.720 U
Fluoranthene	UG/L	0.288 U	1.73 U	0.288 U	0.576 U	0.576 U
Fluorene	UG/L	0.778	4.53	0.128 U	0.256 U	0.256 U
Indeno(1,2,3-cd)pyrene	UG/L	0.260 U	1.56 U	0.260 U	0.520 U	0.520 U
Naphthalene	UG/L	0.261	230	0.079 U	0.158 U	0.158 U
Phenanthrene	UG/L	2.29	3.71	0.220 U	0.440 U	0.440 U
Pyrene	UG/L	0.144 U	0.864 U	0.144 U	0.288 U	0.288 U
Total Polynuclear Aromatic Hydrocarbons	UG/L	19.414	258.26	ND	ND	ND

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

Detection Limits shown are PQL



**TABLE A-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN - HEMPSTEAD SITE**

Location ID		HIMW-015I	HIMW-018I	HIMW-019I	PZ-02	PZ-03
Sample ID		HIMW-15I	HIMW-18I	HIMW-19I	PZ-02	PZ-03
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		04/18/07	05/02/07	04/12/07	04/03/07	04/04/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	375	342	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	114	267	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	65,000	4,000	NA	NA	NA
Diesel Fuel	POS/NEG	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	500 U	3,760	NA	NA	NA
Nitrite-Nitrogen	UG/L	50.0 U	52.0	NA	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	28,800	41,400	NA	NA	NA
Heterotrophic Plate Count	CFU/ML	104 J	99	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	18,700	400 U	NA	NA	NA
Methane	UG/L	60.0 U	60.0 U	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By: GEK 11/20/2007

Checked By: PRF 11/20/2007

**Detection Limits shown are PQL**

**ATTACHMENT A**

**VALIDATED FORM 1'S**



**SUMMARY REPORT**  
**Client: URS Corporation - Wayne**  
**Project: KEYSpan - HEMPSTEAD**  
**Lab Case No.: E07-03177**

	<b>Lab ID:</b>	<b>03177-001</b>	<b>03177-002</b>	<b>03177-003</b>					
	<b>Client ID:</b>	<b>PZ-02</b>	<b>FB040307</b>	<b>HIMW-3S</b>					
	<b>Matrix:</b>	<b>Aqueous</b>	<b>Aqueous</b>	<b>Aqueous</b>					
	<b>Sampled Date</b>	<b>4/3/07</b>	<b>4/3/07</b>	<b>4/3/07</b>					
<b>PARAMETER(Units)</b>	<b>Conc</b>	<b>Q</b>	<b>MDL</b>	<b>Conc</b>	<b>Q</b>	<b>MDL</b>	<b>Conc</b>	<b>Q</b>	<b>MDL</b>
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>				
Benzene	ND	0.250	ND	0.250	ND	0.250	ND	0.250	
Toluene	ND	0.310	ND	0.310	ND	0.310	ND	0.310	
Ethylbenzene	ND	0.300	ND	0.300	ND	0.300	ND	0.300	
Total Xylenes	ND	0.800	ND	0.800	ND	0.800	ND	0.800	
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>				
Naphthalene	ND	0.158	ND	0.158	ND	0.158	ND	0.158	
Acenaphthylene	ND	0.158	ND	0.158	ND	0.158	ND	0.158	
Acenaphthene	ND	0.170	ND	0.170	ND	0.170	ND	0.170	
Fluorene	ND	0.256	ND	0.256	ND	0.256	ND	0.256	
Phenanthrene	ND	0.440	ND	0.440	ND	0.440	ND	0.440	
Anthracene	ND	0.428	ND	0.428	ND	0.428	ND	0.428	
Fluoranthene	ND	0.576	ND	0.576	ND	0.576	ND	0.576	
Pyrene	ND	0.288	ND	0.288	ND	0.288	ND	0.288	
Benzo[a]anthracene	ND	0.260	ND	0.260	ND	0.260	ND	0.260	
Chrysene	ND	0.284	ND	0.284	ND	0.284	ND	0.284	
Benzo[b]fluoranthene	ND	0.540	ND	0.540	ND	0.540	ND	0.540	
Benzo[k]fluoranthene	ND	0.500	ND	0.500	ND	0.500	ND	0.500	
Benzo[a]pyrene	ND	0.380	ND	0.380	ND	0.380	ND	0.380	
Indeno[1,2,3-cd]pyrene	ND	0.520	ND	0.520	ND	0.520	ND	0.520	
Dibenz[a,h]anthracene	ND	0.720	ND	0.720	ND	0.720	ND	0.720	
Benzo[g,h,i]perylene	ND	0.586	ND	0.586	ND	0.586	ND	0.586	

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: URS Corporation - Wayne  
 Project: KEYSpan - HEMPSTEAD  
 Lab Case No.: E07-03297

Lab ID:	03297-001	03297-002	03297-003	03297-004
Client ID:	HIMW-03I	HIMW-04I	FB-040507	HIMW-10D
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous
Sampled Date	4/5/07	4/5/07	4/5/07	4/5/07
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Benzene	ND 0.250	ND 0.250	~ ~	ND 0.250
Toluene	ND 0.310	0.438 0.310	~ ~	ND 0.310
Ethylbenzene	ND 0.300	ND 0.300	~ ~	ND 0.300
Total Xylenes	ND 0.800	ND 0.800	~ ~	ND 0.800
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Naphthalene	~ ~	ND 0.158	~ ~	ND 0.158
Acenaphthylene	~ ~	ND 0.158	~ ~	ND 0.158
Acenaphthene	~ ~	ND 0.170	~ ~	ND 0.170
Fluorene	~ ~	ND 0.256	~ ~	ND 0.256
Phenanthrene	~ ~	ND 0.440	~ ~	ND 0.440
Anthracene	~ ~	ND 0.428	~ ~	ND 0.428
Fluoranthene	~ ~	ND 0.576	~ ~	ND 0.576
Pyrene	~ ~	ND 0.288	~ ~	ND 0.288
Benzo[a]anthracene	~ ~	ND 0.260	~ ~	ND 0.260
Chrysene	~ ~	ND 0.284	~ ~	ND 0.284
Benzo[b]fluoranthene	~ ~	ND 0.540	~ ~	ND 0.540
Benzo[k]fluoranthene	~ ~	ND 0.500	~ ~	ND 0.500
Benzo[a]pyrene	~ ~	ND 0.380	~ ~	ND 0.380
Indeno[1,2,3-cd]pyrene	~ ~	ND 0.520	~ ~	ND 0.520
Dibenz[a,h]anthracene	~ ~	ND 0.720	~ ~	ND 0.720
Benzo[g,h,i]perylene	~ ~	ND 0.586	~ ~	ND 0.586
<b>Gas Screen (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Methane	~ ~	ND 60.0	ND 60.0	ND 60.0
<b>Metals (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Iron	~ ~	688 100	ND 100	198 100
<b>General Analytical (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Alkalinity(ug/L-ppb)	~ ~	32500 2000	ND 2000	9000 2000
Carbon Dioxide(ug/L-ppb)	~ ~	20500 400	ND 400	9900 400
Nitrate (NO3)(ug/L-ppb)	~ ~	3920 500	ND 500	1980 500
Nitrite (NO2)(ug/L-ppb)	~ ~	ND 50.0	ND 50.0	ND 50.0
Sulfate as SO4(ug/L-ppb)	~ ~	29700 1000	ND 1000	15200 1000
Heterotrophic Plate Count(CFU/ml)	~ ~	980 J 20	224 2	46 J 2

Lab ID:	03297-005	03297-006	03297-007	03297-008
Client ID:	HIMW-09S	HIMW-09I	TB040507	HIMW-04I FILT.
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous
Sampled Date	4/5/07	4/5/07	4/5/07	4/5/07
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Benzene	ND 0.250	ND 0.250	ND 0.250	~ ~
Toluene	ND 0.310	ND 0.310	ND 0.310	~ ~
Ethylbenzene	ND 0.300	ND 0.300	ND 0.300	~ ~
Total Xylenes	ND 0.800	ND 0.800	ND 0.800	~ ~

~ = Sample not analyzed for  
 ND = Analyzed for but Not Detected at the MDL

11/13/07



INTEGRATED ANALYTICAL LABORATORIES, LLC.

**SUMMARY REPORT**  
**Client: URS Corporation - Wayne**  
**Project: KEYSpan - HEMPSTEAD**  
**Lab Case No.: E07-03297**

	<b>Lab ID:</b>	<b>03297-005</b>	<b>03297-006</b>	<b>03297-007</b>	<b>03297-008</b>
	<b>Client ID:</b>	<b>HIMW-09S</b>	<b>HIMW-09I</b>	<b>TB040507</b>	<b>HIMW-04I FILT.</b>
	<b>Matrix:</b>	<b>Aqueous</b>	<b>Aqueous</b>	<b>Aqueous</b>	<b>Aqueous</b>
	<b>Sampled Date</b>	<b>4/5/07</b>	<b>4/5/07</b>	<b>4/5/07</b>	<b>4/5/07</b>
<b>PARAMETER(Units)</b>		<b>Conc Q MDL</b>	<b>Conc Q MDL</b>	<b>Conc Q MDL</b>	<b>Conc Q MDL</b>
<b>Semivolatiles - PAH (Units)</b>		<i>(ug/L-ppb)</i>	<i>(ug/L-ppb)</i>		
Naphthalene		ND 0.158	ND 0.158	~ ~	~ ~
Acenaphthylene		ND 0.158	ND 0.158	~ ~	~ ~
Acenaphthene		ND 0.170	ND 0.170	~ ~	~ ~
Fluorene		ND 0.256	ND 0.256	~ ~	~ ~
Phenanthrene		ND 0.440	ND 0.440	~ ~	~ ~
Anthracene		ND 0.428	ND 0.428	~ ~	~ ~
Fluoranthene		ND 0.576	ND 0.576	~ ~	~ ~
Pyrene		ND 0.288	ND 0.288	~ ~	~ ~
Benzo[a]anthracene		ND 0.260	ND 0.260	~ ~	~ ~
Chrysene		ND 0.284	ND 0.284	~ ~	~ ~
Benzo[b]fluoranthene		ND 0.540	ND 0.540	~ ~	~ ~
Benzo[k]fluoranthene		ND 0.500	ND 0.500	~ ~	~ ~
Benzo[a]pyrene		ND 0.380	ND 0.380	~ ~	~ ~
Indeno[1,2,3-cd]pyrene		ND 0.520	ND 0.520	~ ~	~ ~
Dibenz[a,h]anthracene		ND 0.720	ND 0.720	~ ~	~ ~
Benzo[g,h,i]perylene		ND 0.586	ND 0.586	~ ~	~ ~
<b>Metals (Units)</b>					<i>(ug/L-ppb)</i>
Iron		~ ~	~ ~	~ ~	ND 100
	<b>Lab ID:</b>	<b>03297-009</b>	<b>03297-010</b>		
	<b>Client ID:</b>	<b>FB-040507 FILT.</b>	<b>HIMW-10D FILT.</b>		
	<b>Matrix:</b>	<b>Aqueous</b>	<b>Aqueous</b>		
	<b>Sampled Date</b>	<b>4/5/07</b>	<b>4/5/07</b>		
<b>PARAMETER(Units)</b>		<b>Conc Q MDL</b>	<b>Conc Q MDL</b>		
<b>Metals (Units)</b>		<i>(ug/L-ppb)</i>	<i>(ug/L-ppb)</i>		
Iron		ND 100	ND 100		

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

**SUMMARY REPORT**  
**Client: URS Corporation - Wayne**  
**Project: KEYSpan - HEMPSTEAD**  
**Lab Case No.: E07-03389**

Lab ID:	03389-001	03389-002	03389-003	03389-004	
Client ID:	HIMW-8S	HIMW-12S	HIMW-8I	TB040607	
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous	
Sampled Date	4/6/07	4/6/07	4/6/07	4/6/07	
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>	
Benzene	ND 0.250	ND 0.250	0.525 0.250	ND 0.250	
Toluene	0.416 0.310	0.403 0.310	ND 0.310	ND 0.310	
Ethylbenzene	ND 0.300	ND 0.300	ND 0.300	ND 0.300	
Total Xylenes	ND 0.800	ND 0.800	ND 0.800	ND 0.800	
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>	
Naphthalene	~ ~	ND 0.079	ND 0.079	~ ~	
Acenaphthylene	~ ~	ND 0.079	ND 0.079	~ ~	
Acenaphthene	~ ~	ND 0.085	ND 0.085	~ ~	
Fluorene	~ ~	ND 0.128	ND 0.128	~ ~	
Phenanthrene	~ ~	ND 0.220	ND 0.220	~ ~	
Anthracene	~ ~	ND 0.214	ND 0.214	~ ~	
Fluoranthene	~ ~	ND 0.288	ND 0.288	~ ~	
Pyrene	~ ~	ND 0.144	ND 0.144	~ ~	
Benzo[a]anthracene	~ ~	ND 0.130	ND 0.130	~ ~	
Chrysene	~ ~	ND 0.142	ND 0.142	~ ~	
Benzo[b]fluoranthene	~ ~	ND <i>us</i> 0.270	ND <i>us</i> 0.270	~ ~	
Benzo[k]fluoranthene	~ ~	ND 0.250	ND 0.250	~ ~	
Benzo[a]pyrene	~ ~	ND 0.190	ND 0.190	~ ~	
Indeno[1,2,3-cd]pyrene	~ ~	ND 0.260	ND 0.260	~ ~	
Dibenz[a,h]anthracene	~ ~	ND 0.360	ND 0.360	~ ~	
Benzo[g,h,i]perylene	~ ~	ND 0.293	ND 0.293	~ ~	
<b>Gas Screen (Units)</b>	<i>(ug/L-ppb)</i>				
Methane	~ ~	ND 60.0	~ ~	~ ~	
<b>Metals (Units)</b>	<i>(ug/L-ppb)</i>				
Iron	~ ~	1660 100	~ ~	~ ~	
<b>General Analytical (Units)</b>					
Alkalinity(ug/L-ppb)	~ ~	35000 2000	~ ~	~ ~	
Carbon Dioxide(ug/L-ppb)	~ ~	6500 400	~ ~	~ ~	
Nitrate (NO3)(ug/L-ppb)	~ ~	2480 500	~ ~	~ ~	
Nitrite (NO2)(ug/L-ppb)	~ ~	ND 50.0	~ ~	~ ~	
Sulfate as SO4(ug/L-ppb)	~ ~	21400 1000	~ ~	~ ~	
Heterotrophic Plate Count(CFU/ml)	~ ~	40 1	~ ~	~ ~	

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

11/13/07



INTEGRATED ANALYTICAL LABORATORIES, LLC.

**SUMMARY REPORT**  
 Client: URS Corporation - Wayne  
 Project: KEYSpan - HEMPSTEAD  
 Lab Case No.: E07-03389

Lab ID:	03389-005	03389-006	03389-007	03389-008
Client ID:	HIMW-09D	HIMW-10I	HIMW-12S FILT.	HIMW-10I FILT.
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous
Sampled Date	4/6/07	4/6/07	4/6/07	4/6/07
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Benzene	ND 0.250	ND 0.250	~ ~	~ ~
Toluene	ND 0.310	ND 0.310	~ ~	~ ~
Ethylbenzene	ND 0.300	ND 0.300	~ ~	~ ~
Total Xylenes	ND 0.800	ND 0.800	~ ~	~ ~
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Naphthalene	ND 0.079	ND 0.079	~ ~	~ ~
Acenaphthylene	ND 0.079	ND 0.079	~ ~	~ ~
Acenaphthene	ND 0.085	ND 0.085	~ ~	~ ~
Fluorene	ND 0.128	ND 0.128	~ ~	~ ~
Phenanthrene	ND 0.220	ND 0.220	~ ~	~ ~
Anthracene	ND 0.214	ND 0.214	~ ~	~ ~
Fluoranthene	ND 0.288	ND 0.288	~ ~	~ ~
Pyrene	ND 0.144	ND 0.144	~ ~	~ ~
Benzo[a]anthracene	ND 0.130	ND 0.130	~ ~	~ ~
Chrysene	ND 0.142	ND 0.142	~ ~	~ ~
Benzo[b]fluoranthene	ND <i>us</i> 0.270	ND <i>us</i> 0.270	~ ~	~ ~
Benzo[k]fluoranthene	ND 0.250	ND 0.250	~ ~	~ ~
Benzo[a]pyrene	ND 0.190	ND 0.190	~ ~	~ ~
Indeno[1,2,3-cd]pyrene	ND 0.260	ND 0.260	~ ~	~ ~
Dibenz[a,h]anthracene	ND 0.360	ND 0.360	~ ~	~ ~
Benzo[g,h,i]perylene	ND 0.293	ND 0.293	~ ~	~ ~
<b>Gas Screen (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Methane	~ ~	ND 60.0	~ ~	~ ~
<b>Metals (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Iron	~ ~	199 100	ND 100	ND 100
<b>General Analytical (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Alkalinity(ug/L-ppb)	~ ~	3000 2000	~ ~	~ ~
Carbon Dioxide(ug/L-ppb)	~ ~	ND 400	~ ~	~ ~
Nitrate (NO3)(ug/L-ppb)	~ ~	2420 500	~ ~	~ ~
Nitrite (NO2)(ug/L-ppb)	~ ~	ND 50.0	~ ~	~ ~
Sulfate as SO4(ug/L-ppb)	~ ~	28700 1000	~ ~	~ ~
Heterotrophic Plate Count(CFU/ml)	~ ~	50 1	~ ~	~ ~

~ = Sample not analyzed for  
 ND = Analyzed for but Not Detected at the MDL

*11/13/07*

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**

Client: URS Corporation - Wayne

Project: KEYSpan

Lab Case No.: E07-03416

Lab ID:	03416-001	03416-002	03416-003	03416-004		
Client ID:	HIMW-8D	HIMW-12I	HIMW-10S	HIMW-13I		
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous		
Sampled Date	4/9/07	4/9/07	4/9/07	4/9/07		
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL		
<b>Volatiles (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Benzene	ND 0.260	20.8 0.260	ND 0.260	154 D 0.520		
Toluene	ND 0.260	ND 0.260	ND 0.260	0.421 0.260		
Ethylbenzene	ND 0.400	11.8 0.400	ND 0.400	6.09 0.400		
Total Xylenes	ND 1.21	5.75 1.21	ND 1.21	3.90 1.21		
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Naphthalene	ND 0.079	2.21 0.079	1.28 0.079	0.949 0.079		
Acenaphthylene	ND 0.079	37.4 0.079	0.250 0.079	46.1 0.079		
Acenaphthene	ND 0.085	30.5 0.085	0.669 0.085	5.20 0.085		
Fluorene	ND 0.128	23.8 0.128	0.809 0.128	11.8 0.128		
Phenanthrene	ND 0.220	3.65 0.220	1.53 0.220	11.1 0.220		
Anthracene	ND 0.214	0.377 0.214	ND 0.214	0.753 0.214		
Fluoranthene	ND 0.288	ND 0.288	ND 0.288	0.393 0.288		
Pyrene	ND 0.144	ND 0.144	0.362 0.144	0.599 0.144		
Benzo[a]anthracene	ND 0.130	ND 0.130	ND 0.130	ND 0.130		
Chrysene	ND 0.142	ND 0.142	ND 0.142	ND 0.142		
Benzo[b]fluoranthene	ND 0.270	ND 0.270	ND 0.270	ND 0.270		
Benzo[k]fluoranthene	ND 0.250	ND 0.250	ND 0.250	ND 0.250		
Benzo[a]pyrene	ND 0.190	ND 0.190	ND 0.190	ND 0.190		
Indeno[1,2,3-cd]pyrene	ND 0.260	ND 0.260	ND 0.260	ND 0.260		
Dibenz[a,h]anthracene	ND 0.360	ND 0.360	ND 0.360	ND 0.360		
Benzo[g,h,i]perylene	ND 0.293	ND 0.293	ND 0.293	ND 0.293		
<b>Gas Screen (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Methane	~ ~	64.9 60.0	ND 60.0	~ ~		
<b>Metals (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Iron	~ ~	22900 100	9250 100	~ ~		
<b>General Analytical (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Alkalinity(ug/L-ppb)	~ ~	65000 2000	28000 2000	~ ~		
Carbon Dioxide(ug/L-ppb)	~ ~	59100 400	45200 400	~ ~		
Nitrate (NO3)(ug/L-ppb)	~ ~	ND 500	3040 500	~ ~		
Nitrite (NO2)(ug/L-ppb)	~ ~	ND 50.0	90.0 50.0	~ ~		
Sulfate as SO4(ug/L-ppb)	~ ~	38400 2000	59400 2000	~ ~		
Heterotrophic Plate Count(CFU/ml)	~ ~	9 1	44 1	~ ~		
Lab ID:	03416-005	03416-006	03416-007			
Client ID:	TB040907	HIMW-12I FILT.	HIMW-10S FILT.			
Matrix:	Aqueous	Aqueous	Aqueous			
Sampled Date	4/9/07	4/9/07	4/9/07			
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL			
<b>Volatiles (Units)</b>	<i>(ug/L-ppb)</i>					
Benzene	ND 0.260	~ ~	~ ~			
Toluene	ND 0.260	~ ~	~ ~			
Ethylbenzene	ND 0.400	~ ~	~ ~			
Total Xylenes	ND 1.21	~ ~	~ ~			
<b>Metals (Units)</b>	<i>(ug/L-ppb)</i>					
Iron	~ ~	20800 100	8660 100			

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

D = The compound was reported from the Diluted analysis



INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: URS Corporation - Wayne

Project: KEYSpan

Lab Case No.: E07-03440

11/16/07

Lab ID:	03440-001	03440-002	03440-003	03440-004
Client ID:	HIMW-13D	HIMW-14I	T B041007	HIMW-14I FILT.
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous
Sampled Date	4/10/07	4/10/07	4/10/07	4/10/07
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>Volatiles - BTEX (Units)</b>				
	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Benzene	4.13	0.250	69.0	0.250
Toluene	0.532	0.310	0.507	0.310
Ethylbenzene	ND	0.300	29.3	0.300
Total Xylenes	3.59	0.800	14.5	0.800
<b>Semivolatiles - PAH (Units)</b>				
	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Naphthalene	0.312	0.079	1.11	0.079
Acenaphthylene	5.77	0.079	24.6	0.079
Acenaphthene	4.00	0.085	14.8	0.085
Fluorene	0.400	0.128	7.31	0.128
Phenanthrene	ND	0.220	4.72	0.220
Anthracene	ND	0.214	0.765	0.214
Fluoranthene	ND	0.288	0.2165	0.288
Pyrene	ND	0.144	0.274	0.144
Benzo[a]anthracene	ND	0.130	ND	0.130
Chrysene	ND	0.142	ND	0.142
Benzo[b]fluoranthene	ND <i>us</i>	0.270	ND <i>us</i>	0.270
Benzo[k]fluoranthene	ND	0.250	ND	0.250
Benzo[a]pyrene	ND	0.190	ND	0.190
Indeno[1,2,3-cd]pyrene	ND	0.260	ND	0.260
Dibenz[a,h]anthracene	ND	0.360	ND	0.360
Benzo[g,h,i]perylene	ND	0.293	ND	0.293
<b>Gas Screen (Units)</b>				
			<i>(ug/L-ppb)</i>	
Methane	~	~	ND	60.0
<b>Metals (Units)</b>				
			<i>(ug/L-ppb)</i>	
Iron	~	~	45700	100
<b>General Analytical (Units)</b>				
Alkalinity(ug/L-ppb)	~	~	116000	2000
Carbon Dioxide(ug/L-ppb)	~	~	75600	400
Nitrate (NO3)(ug/L-ppb)	~	~	ND	500
Nitrite (NO2)(ug/L-ppb)	~	~	ND	50.0
Sulfate as SO4(ug/L-ppb)	~	~	20000	1000
Heterotrophic Plate Count(CFU/ml)	~	~	3	1

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: URS Corporation - Wayne  
 Project: KEYSpan - HEMPSTEAD  
 Lab Case No.: E07-03541

Lab ID:	03541-001	03541-002	03541-003	03541-004
Client ID:	HIMW-6D	HIMW-7I	TB041107	20070411-FD-1
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous
Sampled Date	4/11/07	4/11/07	4/11/07	4/11/07
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Benzene	ND	0.260	ND	0.260
Toluene	0.262	0.260	ND	0.260
Ethylbenzene	ND	0.400	ND	0.400
Total Xylenes	ND	1.21	ND	1.21
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Naphthalene	8.82	0.079	0.945	0.079
Acenaphthylene	2.41	0.079	ND	0.079
Acenaphthene	0.522	0.085	ND	0.085
Fluorene	2.19	0.128	ND	0.128
Phenanthrene	7.04	0.220	ND	0.220
Anthracene	2.18	0.214	ND	0.214
Fluoranthene	1.47	0.288	ND	0.288
Pyrene	2.33	0.144	ND	0.144
Benzo[a]anthracene	0.478	0.130	ND	0.130
Chrysene	0.816	0.142	ND	0.142
Benzo[b]fluoranthene	ND	0.270	ND	0.270
Benzo[k]fluoranthene	ND	0.250	ND	0.250
Benzo[a]pyrene	ND	0.190	ND	0.190
Indeno[1,2,3-cd]pyrene	ND	0.260	ND	0.260
Dibenz[a,h]anthracene	ND	0.360	ND	0.360
Benzo[g,h,i]perylene	ND	0.293	ND	0.293

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL



INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: URS Corporation - Wayne

Project: KEYSpan - HEMPSTEAD

Lab Case No.: E07-03541

PARAMETER(Units)	03541-005			03541-006		
	Lab ID:			Client ID:		
	Client ID:			Matrix:		
	Matrix:			Sampled Date		
	Sampled Date			Conc Q MDL		
PARAMETER(Units)	Conc Q MDL			Conc Q MDL		
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Benzene	ND	0.260	13.6	0.260	13.6	0.260
Toluene	ND	0.260	5.72	0.260	5.72	0.260
Ethylbenzene	ND	0.400	ND	0.400	ND	0.400
Total Xylenes	ND	1.21	7.34	1.21	7.34	1.21
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Naphthalene	0.239	0.079	53.1	0.079	53.1	0.079
Acenaphthylene	ND	0.079	7.82	0.079	7.82	0.079
Acenaphthene	ND	0.085	0.511	0.085	0.511	0.085
Fluorene	ND	0.128	1.54	0.128	1.54	0.128
Phenanthrene	0.328	0.220	0.295	0.220	0.295	0.220
Anthracene	ND	0.214	ND	0.214	ND	0.214
Fluoranthene	ND	0.288	ND	0.288	ND	0.288
Pyrene	ND	0.144	ND	0.144	ND	0.144
Benzo[a]anthracene	ND	0.130	ND	0.130	ND	0.130
Chrysene	ND	0.142	ND	0.142	ND	0.142
Benzo[b]fluoranthene	ND	0.270	ND	0.270	ND	0.270
Benzo[k]fluoranthene	ND	0.250	ND	0.250	ND	0.250
Benzo[a]pyrene	ND	0.190	ND	0.190	ND	0.190
Indeno[1,2,3-cd]pyrene	ND	0.260	ND	0.260	ND	0.260
Dibenz[a,h]anthracene	ND	0.360	ND	0.360	ND	0.360
Benzo[g,h,i]perylene	ND	0.293	ND	0.293	ND	0.293

ND = Analyzed for but Not Detected at the MDL

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**  
**Client: URS Corporation - Wayne**  
**Project: KEYSpan - HEMPSTEAD**  
**Lab Case No.: E07-03572**

	<b>Lab ID:</b>	<b>03572-001</b>	<b>03572-002</b>	<b>03572-003</b>	<b>03572-004</b>
	<b>Client ID:</b>	<b>HIMW-191</b>	<b>HIMW-5D</b>	<b>HIMW-13S</b>	<b>HIMW-5S</b>
	<b>Matrix:</b>	<b>Aqueous</b>	<b>Aqueous</b>	<b>Aqueous</b>	<b>Aqueous</b>
	<b>Sampled Date</b>	<b>4/12/07</b>	<b>4/12/07</b>	<b>4/12/07</b>	<b>4/12/07</b>
<b>PARAMETER(Units)</b>		<b>Conc Q MDL</b>	<b>Conc Q MDL</b>	<b>Conc Q MDL</b>	<b>Conc Q MDL</b>
<b>Volatiles - BTEX (Units)</b>		<b>(ug/L-ppb)</b>		<b>(ug/L-ppb)</b>	
Benzene		ND 0.250	ND 0.250	ND 0.250	ND 0.250
Toluene		ND 0.310	1.66 0.310	ND 0.310	ND 0.310
Ethylbenzene		ND 0.300	ND 0.300	ND 0.300	ND 0.300
Total Xylenes		ND 0.800	47.0 0.800	ND 0.800	ND 0.800
<b>Semivolatiles - PAH (Units)</b>		<b>(ug/L-ppb)</b>		<b>(ug/L-ppb)</b>	
Naphthalene		ND 0.079	293 0.395	ND 0.079	ND 0.079
Acenaphthylene		ND 0.079	8.77 0.395	ND 0.079	ND 0.079
Acenaphthene		ND 0.085	ND 0.425	ND 0.085	ND 0.085
Fluorene		ND 0.128	ND 0.640	ND 0.128	ND 0.128
Phenanthrene		ND 0.220	ND 1.10	ND 0.220	ND 0.220
Anthracene		ND 0.214	ND 1.07	ND 0.214	ND 0.214
Fluoranthene		ND 0.288	ND 1.44	ND 0.288	ND 0.288
Pyrene		ND 0.144	ND 0.720	ND 0.144	ND 0.144
Benzo[a]anthracene		ND 0.130	ND 0.650	ND 0.130	ND 0.130
Chrysene		ND 0.142	ND 0.710	ND 0.142	ND 0.142
Benzo[b]fluoranthene		ND 0.270	ND 1.35	ND 0.270	ND 0.270
Benzo[k]fluoranthene		ND 0.250	ND 1.25	ND 0.250	ND 0.250
Benzo[a]pyrene		ND 0.190	ND 0.950	ND 0.190	ND 0.190
Indeno[1,2,3-cd]pyrene		ND 0.260	ND 1.30	ND 0.260	ND 0.260
Dibenz[a,h]anthracene		ND 0.360	ND 1.80	ND 0.360	ND 0.360
Benzo[g,h,i]perylene		ND 0.293	ND 1.47	ND 0.293	ND 0.293

**Lab ID: 03572-005**  
**Client ID: TB041207**  
**Matrix: Aqueous**  
**Sampled Date: 4/12/07**

<b>PARAMETER(Units)</b>	<b>Conc Q MDL</b>
<b>Volatiles - BTEX (Units)</b>	<b>(ug/L-ppb)</b>
Benzene	ND 0.250
Toluene	ND 0.310
Ethylbenzene	ND 0.300
Total Xylenes	ND 0.800

ND = Analyzed for but Not Detected at the MDL



INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: URS Corporation - Wayne  
 Project: KEYSpan - HEMPSTEAD  
 Lab Case No.: E07-03638

Lab ID:	03638-001	03638-002	03638-003	03638-004				
Client ID:	HIMW-1D	HIMW-1D-MS	HIMW-1D-MSD	HIMW-051				
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous				
Sampled Date	4/13/07	4/13/07	4/13/07	4/13/07				
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL				
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Benzene	ND	0.260	~	~	~	~	8.42	0.260
Toluene	ND	0.260	~	~	~	~	3.18	0.260
Ethylbenzene	ND	0.400	~	~	~	~	3.90	0.400
Total Xylenes	ND	1.21	~	~	~	~	142 D	12.1
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Naphthalene	1.41	0.079	~	~	~	~	1680	1.98
Acenaphthylene	ND	0.079	~	~	~	~	113	1.98
Acenaphthene	ND	0.085	~	~	~	~	8.86	2.13
Fluorene	ND	0.128	~	~	~	~	25.7	3.20
Phenanthrene	ND	0.220	~	~	~	~	12.5	5.50
Anthracene	ND	0.214	~	~	~	~	ND	5.35
Fluoranthene	ND	0.288	~	~	~	~	ND	7.20
Pyrene	ND	0.144	~	~	~	~	ND	3.60
Benzo[a]anthracene	ND	0.130	~	~	~	~	ND	3.25
Chrysene	ND	0.142	~	~	~	~	ND	3.55
Benzo[b]fluoranthene	ND	0.270	~	~	~	~	ND	6.75
Benzo[k]fluoranthene	ND	0.250	~	~	~	~	ND	6.25
Benzo[a]pyrene	ND	0.190	~	~	~	~	ND	4.75
Indeno[1,2,3-cd]pyrene	ND	0.260	~	~	~	~	ND	6.50
Dibenz[a,h]anthracene	ND	0.360	~	~	~	~	ND	9.00
Benzo[g,h,i]perylene	ND	0.293	~	~	~	~	ND	7.33

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

D = The compound was reported from the Diluted analysis

Sample 002, and 003 were MS/MDS for sample 001. Please refer to internal QC for results.

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**

Client: URS Corporation - Wayne  
 Project: KEYSpan - HEMPSTEAD  
 Lab Case No.: E07-03638

Lab ID:	03638-005	03638-006	03638-007	03638-008								
Client ID:	HIMW-14D	HIMW-12D	TB041307	HIMW-14D FILT.								
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous								
Sampled Date	4/13/07	4/13/07	4/13/07	4/13/07								
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL			
<b>Volatiles - BTEX (Units)</b>												
	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Benzene	0.390	0.260	0.503	0.260	ND	0.260	~	~	~	~		
Toluene	ND	0.260	ND	0.260	ND	0.260	~	~	~	~		
Ethylbenzene	ND	0.400	ND	0.400	ND	0.400	~	~	~	~		
Total Xylenes	ND	1.21	ND	1.21	ND	1.21	~	~	~	~		
<b>Semivolatiles - PAH (Units)</b>												
	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Naphthalene	ND	0.079	0.454	0.079	~	~	~	~	~	~		
Acenaphthylene	ND	0.079	ND	0.079	~	~	~	~	~	~		
Acenaphthene	ND	0.085	ND	0.085	~	~	~	~	~	~		
Fluorene	ND	0.128	ND	0.128	~	~	~	~	~	~		
Phenanthrene	ND	0.220	ND	0.220	~	~	~	~	~	~		
Anthracene	ND	0.214	ND	0.214	~	~	~	~	~	~		
Fluoranthene	ND	0.288	ND	0.288	~	~	~	~	~	~		
Pyrene	ND	0.144	ND	0.144	~	~	~	~	~	~		
Benzo[a]anthracene	ND	0.130	ND	0.130	~	~	~	~	~	~		
Chrysene	ND	0.142	ND	0.142	~	~	~	~	~	~		
Benzo[b]fluoranthene	ND	0.270	ND	0.270	~	~	~	~	~	~		
Benzo[k]fluoranthene	ND	0.250	ND	0.250	~	~	~	~	~	~		
Benzo[a]pyrene	ND	0.190	ND	0.190	~	~	~	~	~	~		
Indeno[1,2,3-cd]pyrene	ND	0.260	ND	0.260	~	~	~	~	~	~		
Dibenz[a,h]anthracene	ND	0.360	ND	0.360	~	~	~	~	~	~		
Benzo[g,h,i]perylene	ND	0.293	ND	0.293	~	~	~	~	~	~		
<b>Gas Screen (Units)</b>												
	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Methane	ND	60.0	ND	60.0	~	~	~	~	~	~		
<b>Metals (Units)</b>												
	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Iron	2430	100	727	100	~	~	1020	100	~	~		
<b>General Analytical (Units)</b>												
Alkalinity(ug/L-ppb)	28000	2000	13000	2000	~	~	~	~	~	~		
Carbon Dioxide(ug/L-ppb)	42200	400	10900	400	~	~	~	~	~	~		
Nitrate (NO3)(ug/L-ppb)	ND	500	955	500	~	~	~	~	~	~		
Nitrite (NO2)(ug/L-ppb)	ND	50.0	ND	50.0	~	~	~	~	~	~		
Sulfate as SO4(ug/L-ppb)	60200	2000	54700	2000	~	~	~	~	~	~		
Heterotrophic Plate Count(CFU/ml)	16	1	26	1	~	~	~	~	~	~		

Lab ID: 03638-009  
 Client ID: HIMW-12D FILT.  
 Matrix: Aqueous  
 Sampled Date: 4/13/07

PARAMETER(Units)	Conc	Q	MDL
<b>Metals (Units)</b>			
	<i>(ug/L-ppb)</i>		
Iron	124	100	~

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL



INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: URS Corporation - Wayne  
 Project: KEYSpan - HEMPSTEAD  
 Lab Case No.: E07-03728

Lab ID:	03728-001	03728-002	03728-003	03728-004
Client ID:	HIMW-02I	HIMW-02D	HIMW-11I	HIMW-11D
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous
Sampled Date	4/16/07	4/16/07	4/16/07	4/16/07
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Benzene	ND 0.260	ND 0.260	ND 0.260	ND 0.260
Toluene	ND 0.260	ND 0.260	ND 0.260	ND 0.260
Ethylbenzene	ND 0.400	ND 0.400	ND 0.400	ND 0.400
Total Xylenes	ND 1.21	ND 1.21	ND 1.21	ND 1.21
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Naphthalene	0.203 0.079	ND 0.079	ND 0.079	ND 0.079
Acenaphthylene	ND 0.079	ND 0.079	ND 0.079	ND 0.079
Acenaphthene	ND 0.085	ND 0.085	ND 0.085	ND 0.085
Fluorene	ND 0.128	ND 0.128	ND 0.128	ND 0.128
Phenanthrene	ND 0.220	ND 0.220	ND 0.220	ND 0.220
Anthracene	ND 0.214	ND 0.214	ND 0.214	ND 0.214
Fluoranthene	ND 0.288	ND 0.288	ND 0.288	ND 0.288
Pyrene	ND 0.144	ND 0.144	ND 0.144	ND 0.144
Benzo[a]anthracene	ND 0.130	ND 0.130	ND 0.130	ND 0.130
Chrysene	ND 0.142	ND 0.142	ND 0.142	ND 0.142
Benzo[b]fluoranthene	ND 0.270	ND 0.270	ND 0.270	ND 0.270
Benzo[k]fluoranthene	ND 0.250	ND 0.250	ND 0.250	ND 0.250
Benzo[a]pyrene	ND 0.190	ND 0.190	ND 0.190	ND 0.190
Indeno[1,2,3-cd]pyrene	ND 0.260	ND 0.260	ND 0.260	ND 0.260
Dibenz[a,h]anthracene	ND 0.360	ND 0.360	ND 0.360	ND 0.360
Benzo[g,h,i]perylene	ND 0.293	ND 0.293	ND 0.293	ND 0.293
Lab ID:	03728-005	03728-006	03728-007	03728-008
Client ID:	TB-041607	HIMW-08S	HIMW-02S	HIMW-11S
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous
Sampled Date	4/16/07	4/17/07	4/17/07	4/17/07
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Benzene	ND 0.260	~ ~	ND 0.260	~ ~
Toluene	ND 0.260	~ ~	ND 0.260	~ ~
Ethylbenzene	ND 0.400	~ ~	ND 0.400	~ ~
Total Xylenes	ND 1.21	~ ~	ND 1.21	~ ~

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: URS Corporation - Wayne  
 Project: KEYSpan - HEMPSTEAD  
 Lab Case No.: E07-03728

Lab ID:	03728-005	03728-006	03728-007	03728-008
Client ID:	TB-041607	HIMW-08S	HIMW-02S	HIMW-11S
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous
Sampled Date	4/16/07	4/17/07	4/17/07	4/17/07
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>	<i>(ug/L-ppb)</i>	<i>(ug/L-ppb)</i>	<i>(ug/L-ppb)</i>
Naphthalene	~ ~	ND 0.079	ND 0.079	~ ~
Acenaphthylene	~ ~	ND 0.079	ND 0.079	~ ~
Acenaphthene	~ ~	ND 0.085	ND 0.085	~ ~
Fluorene	~ ~	ND 0.128	ND 0.128	~ ~
Phenanthrene	~ ~	ND 0.220	ND 0.220	~ ~
Anthracene	~ ~	ND 0.214	ND 0.214	~ ~
Fluoranthene	~ ~	ND 0.288	ND 0.288	~ ~
Pyrene	~ ~	ND 0.144	ND 0.144	~ ~
Benzo[a]anthracene	~ ~	ND 0.130	ND 0.130	~ ~
Chrysene	~ ~	ND 0.142	ND 0.142	~ ~
Benzo[b]fluoranthene	~ ~	ND 0.270	ND 0.270	~ ~
Benzo[k]fluoranthene	~ ~	ND 0.250	ND 0.250	~ ~
Benzo[a]pyrene	~ ~	ND 0.190	ND 0.190	~ ~
Indeno[1,2,3-cd]pyrene	~ ~	ND 0.260	ND 0.260	~ ~
Dibenz[a,h]anthracene	~ ~	ND 0.360	ND 0.360	~ ~
Benzo[g,h,i]perylene	~ ~	ND 0.293	ND 0.293	~ ~
<b>GC-Fingerprint (Units)</b>	<i>(ug/L-ppb)</i>	<i>(ug/L-ppb)</i>	<i>(ug/L-ppb)</i>	<i>(ug/L-ppb)</i>
	~	~	~	☼

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

☼ See Attached Pages

INTEGRATED ANALYTICAL LABORATORIES, LLC.

GC FINGERPRINT ANALYSIS

Client/Project: URS Corp/Keyspan - Hempstead

Date Received: 4/17/07

Date Analyzed: 4/20/07

Lab ID	Client ID	RESULTS
03728-008	HIMW-11S	This sample closely approximates but is not an exact match of Fuel Oil Standard #2. Variations in the sample as compared to the standards may be attributed to weathering, evaporation, contamination and/or degradation.

JN

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11/10/07



INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: URS Corporation - Wayne  
 Project: KEYSpan - HEMPSTEAD  
 Lab Case No.: E07-03744

Lab ID:	03744-001			03744-002			03744-003			03744-004		
Client ID:	HIMW-15I			HIMW-15I-MS			HIMW-15I-MSD			HIMW-15D		
Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
Sampled Date	4/18/07			4/18/07			4/18/07			4/18/07		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>						<i>(ug/L-ppb)</i>					
Benzene	19.5		0.180	~	~		~	~		ND		0.180
Toluene	0.261		0.160	~	~		~	~		ND		0.160
Ethylbenzene	ND		0.220	~	~		~	~		ND		0.220
Total Xylenes	ND		0.630	~	~		~	~		ND		0.630
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>						<i>(ug/L-ppb)</i>					
Naphthalene	0.261		0.079	~	~		~	~		ND		0.079
Acenaphthylene	13.3		0.079	~	~		~	~		ND		0.079
Acenaphthene	2.53		0.085	~	~		~	~		ND		0.085
Fluorene	0.778		0.128	~	~		~	~		ND		0.128
Phenanthrene	2.29		0.220	~	~		~	~		ND		0.220
Anthracene	0.255		0.214	~	~		~	~		ND		0.214
Fluoranthene	ND		0.288	~	~		~	~		ND		0.288
Pyrene	ND		0.144	~	~		~	~		ND		0.144
Benzo[a]anthracene	ND		0.130	~	~		~	~		ND		0.130
Chrysene	ND		0.142	~	~		~	~		ND		0.142
Benzo[b]fluoranthene	ND		0.270	~	~		~	~		ND		0.270
Benzo[k]fluoranthene	ND		0.250	~	~		~	~		ND		0.250
Benzo[a]pyrene	ND		0.190	~	~		~	~		ND		0.190
Indeno[1,2,3-cd]pyrene	ND		0.260	~	~		~	~		ND		0.260
Dibenz[a,h]anthracene	ND		0.360	~	~		~	~		ND		0.360
Benzo[g,h,i]perylene	ND		0.293	~	~		~	~		ND		0.293
<b>Alcohols (Units)</b>	<i>(ug/L-ppb)</i>						<i>(ug/L-ppb)</i>					
Methane	ND		60.0	~	~		~	~		~		~
<b>Metals (Units)</b>	<i>(ug/L-ppb)</i>						<i>(ug/L-ppb)</i>					
Iron	375		100	~	~		~	~		16500		100
<b>General Analytical (Units)</b>	<i>(ug/L-ppb)</i>						<i>(ug/L-ppb)</i>					
Alkalinity(ug/L-ppb)	65000		2000	~	~		~	~		ND		2000
Carbon Dioxide(ug/L-ppb)	18700		400	~	~		~	~		ND		400
Nitrate (NO3)(ug/L-ppb)	ND		500	~	~		~	~		ND		500
Nitrite (NO2)(ug/L-ppb)	ND		50.0	~	~		~	~		ND		50.0
Sulfate as SO4(ug/L-ppb)	28800		1000	~	~		~	~		47600		2000
Heterotrophic Plate Count(CFU/ml)	104	J	1	~	~		~	~		35	J	1

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

CFU=Colony Forming Units

Samples 002 & 003 are client supplied MS/MSD samples. See Internal QC for results.

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11/12/07

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**

Client: URS Corporation - Wayne  
 Project: KEYSpan - HEMPSTEAD  
 Lab Case No.: E07-03744

Lab ID:	03744-005	03744-006	03744-007	03744-008					
Client ID:	FB041807	TB041807	HIMW-15I FILT.	HIMW-15I-MS FILT.					
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous					
Sampled Date	4/18/07	4/18/07	4/18/07	4/18/07					
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>					
Benzene	ND	0.180		ND	0.180		~	~	~
Toluene	ND	0.160		ND	0.160		~	~	~
Ethylbenzene	ND	0.220		ND	0.220		~	~	~
Total Xylenes	ND	0.630		ND	0.630		~	~	~
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>								
Naphthalene	ND	0.079		~	~		~	~	~
Acenaphthylene	ND	0.079		~	~		~	~	~
Acenaphthene	ND	0.085		~	~		~	~	~
Fluorene	ND	0.128		~	~		~	~	~
Phenanthrene	ND	0.220		~	~		~	~	~
Anthracene	ND	0.214		~	~		~	~	~
Fluoranthene	ND	0.288		~	~		~	~	~
Pyrene	ND	0.144		~	~		~	~	~
Benzo[a]anthracene	ND	0.130		~	~		~	~	~
Chrysene	ND	0.142		~	~		~	~	~
Benzo[b]fluoranthene	ND	0.270		~	~		~	~	~
Benzo[k]fluoranthene	ND	0.250		~	~		~	~	~
Benzo[a]pyrene	ND	0.190		~	~		~	~	~
Indeno[1,2,3-cd]pyrene	ND	0.260		~	~		~	~	~
Dibenz[a,h]anthracene	ND	0.360		~	~		~	~	~
Benzo[g,h,i]perylene	ND	0.293		~	~		~	~	~
<b>Alcohols (Units)</b>	<i>(ug/L-ppb)</i>								
Methane	ND	60.0		~	~		~	~	~
<b>Metals (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>					
Iron	ND	100		~	~		114	100	~
<b>General Analytical (Units)</b>									
Alkalinity(ug/L-ppb)	ND	2000		~	~		~	~	~
Carbon Dioxide(ug/L-ppb)	ND	400		~	~		~	~	~
Nitrate (NO3)(ug/L-ppb)	ND	500		~	~		~	~	~
Nitrite (NO2)(ug/L-ppb)	ND	50.0		~	~		~	~	~
Sulfate as SO4(ug/L-ppb)	ND	1000		~	~		~	~	~
Heterotrophic Plate Count(CFU/ml)	35	1		~	~		~	~	~
Lab ID:	03744-009	03744-010	03744-011						
Client ID:	HIMW-15I-MSD FILT.	HIMW-15D FILT.	FB041807 FILT.						
Matrix:	Aqueous	Aqueous	Aqueous						
Sampled Date	4/18/07	4/18/07	4/18/07						
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Metals (Units)</b>				<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Iron	~	~		17100	100		ND	100	

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

CFU=Colony Forming Units

Samples 008 & 009 are client supplied MS/MSD samples. See Internal QC for results.

SUMMARY REPORT

Client: URS Corporation - Wayne

Project: KEYSpan

Lab Case No.: E07-04271

Lab ID:	04271-001	04271-002	04271-003	04271-004
Client ID:	HIMW-18I	FB050207	TB050207	HIMW-18I FILT.
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous
Sampled Date	5/2/07	5/2/07	5/2/07	5/2/07
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
<b>Volatiles - BTEX (Units)</b>				
	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Benzene	2.68	0.260	ND	0.260
Toluene	3.32	0.260	ND	0.260
Ethylbenzene	ND	0.400	ND	0.400
Total Xylenes	63.6	1.21	ND	1.21
<b>Semivolatiles - PAH (Units)</b>				
	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Naphthalene	230	0.474	ND	0.079
Acenaphthylene	18.4	0.474	ND	0.079
Acenaphthene	1.62	0.510	ND	0.085
Fluorene	4.53	0.768	ND	0.128
Phenanthrene	3.71	1.32	ND	0.220
Anthracene	ND	1.28	ND	0.214
Fluoranthene	ND	1.73	ND	0.288
Pyrene	ND	0.864	ND	0.144
Benzo[a]anthracene	ND	0.780	ND	0.130
Chrysene	ND	0.852	ND	0.142
Benzo[b]fluoranthene	ND	1.62	ND	0.270
Benzo[k]fluoranthene	ND	1.50	ND	0.250
Benzo[a]pyrene	ND	1.14	ND	0.190
Indeno[1,2,3-cd]pyrene	ND	1.56	ND	0.260
Dibenz[a,h]anthracene	ND	2.16	ND	0.360
Benzo[g,h,i]perylene	ND	1.76	ND	0.293
<b>Alcohols (Units)</b>				
	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Methane	ND	60.0	ND	60.0
<b>Metals (Units)</b>				
	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>	
Iron	342	100	ND	100
<b>General Analytical (Units)</b>				
Alkalinity(ug/L-ppb)	4000	2000	ND	2000
Carbon Dioxide(ug/L-ppb)	ND	400	ND	400
Nitrate (NO3)(ug/L-ppb)	3760	500	ND	500
Nitrite (NO2)(ug/L-ppb)	52.0	50.0	ND	50.0
Sulfate as SO4(ug/L-ppb)	41400	2000	ND	1000
Heterotrophic Plate Count(CFU/ml)	99	1	ND	NA

Lab ID: 04271-005  
 Client ID: FB050207 FILT.  
 Matrix: Aqueous  
 Sampled Date: 5/2/07

PARAMETER(Units)	Conc Q MDL
<b>Metals (Units)</b>	
	<i>(ug/L-ppb)</i>
Iron	ND 100

~ = Sample not analyzed for  
 ND = Analyzed for but Not Detected at the MDL



**ATTACHMENT B**

**SUPPORT DOCUMENTATION**

**CHAIN OF CUSTODY**

**Turnaround Time** (starts the following day if samples rec'd at lab > 5PM)  
 Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*

**Conditional TPHC**  
 24 hr\* 48 hr 72 hr NA  
 Verbal/Fax/EMAIL 2 wk/Sid  
 24 hr\* 48 hr\* 72 hr\* 1 wk\*  
 Hard Copy 3 wk/Sid  
 2 wk\* call for price

**Results needed by:**

**Rush TAT Charge\*\***  
 24 hr - 100% ...  
 48 hr - 75% ...  
 72 hr - 50% ...  
 96 hr - 35% ...  
 5 day - 25% ...  
 6-9 day 10%

**Report Format**  
 Results Only  
 Reduced  
 Regulatory  
 Other (describe)  
 Cat. A

**SRP, dbf format**  
 SRP-wiki format  
 lab approved custom EDD

**NO DISK/CD REQ'D**

**DISKETTES**

**COOLER Temp** Y °C

**# BOTTLES & PRESERVATIVES**

HC	NO#	HNO3	H2SO4	M:OH	Other	Name	Enore

**REPORTING INFO**

REPORT TO: Mike Akerbergs  
 Address: 973-785-0700

Attn: Michael\_akerbergs@uscomp.com  
 FAX # 973-785-0023

INVOICE TO: Mike Akerbergs  
 Address: 201 Willowbrook Blvd  
 Wayne NJ 07474

Attn:  
 PO #

**Sample Matrix**  
 DW - Drinking Water AQ - Aqueous WW - Waste Water  
 OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)  
 S - Soil SL - Sludge SOL - Solid W - Wipe

Client ID	Date	Time	Matrix	# containers	IAL #
PZ-02	04/03/07	1157	AQ	3	1
FB040307	↓	1255	AQ	3	2
HE MW-3S	↓	1240	AQ	3	3

**Method**  
 Method 604  
 BTEX  
 PAH Method 625

**Conc. Expected:** (Low) Med High

**CUSTOMER**

Company: URS Corporation  
 Address: 12 Commerce Drive  
 Cranford NJ

Telephone #:  
 Fax #:  
 Project Manager: Mike Akerbergs  
 Sampler: Kim Hicks / Angela Ledgerwood  
 Project Name: Kaysan - Hempstead  
 Project Location (State): NY  
 Bottle Order #:  
 Quote #:

**SAMPLE INFORMATION**

Client ID: PZ-02, FB040307, HE MW-3S  
 Date: 04/03/07  
 Time: 1157, 1255, 1240  
 Matrix: AQ, AQ, AQ  
 # containers: 3, 3, 3  
 IAL #: 1, 2, 3

Known Hazard: Yes (No) Describe:

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS) ambiguities have been resolved.

**Signature/Company**

Relinquished by: *Angela Ledgerwood* 9/3/07 1425  
 Relinquished by: *Ray Malya* 8/5/07 1625  
 Relinquished by:  
 Relinquished by:  
 Relinquished by:

**Signature/Company**

Received by: *Mike Akerbergs*  
 Received by: *Mike Akerbergs*  
 Received by:  
 Received by:  
 Received by:

Comments: ~~Filter Matrix~~ @ Lab - A.L.

Lab Case # 3177

PAGE: 1 of 1

05/2006

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 3177

	<u>No</u>	<u>Yes</u>
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓ _____
2. GC/MS Tuning Specifications:	_____	✓ _____
a. BFB Passed	_____	_____
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	✓ _____
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	✓ _____
5. GC/MS Calibration Requirements:		
a. Calibration Check Compounds	_____	na _____
b. System Performance Check Compounds	_____	na _____
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓ _____	_____
_____		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	✓ _____
If not met, were the calculations checked and the results qualified as "estimated"?		
	_____	na _____
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	na _____
_____		
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____
10. Extraction Holding Time Met	_____	na _____
If not met, list number of days exceeded for each sample:		
_____		
_____		
11. Analysis Holding Time Met	_____	✓ _____
If not met, list number of days exceeded for each sample:		
_____		
_____		
12. Sample Dilution Performed	_____	✓ _____
High Target Compounds	High Nontarget Compounds	Matrix Interference
Other		
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>		

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

4/6/07  
Date

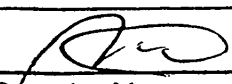


**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03177

	<u>No</u>	<u>Yes</u>
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓ _____
2. GC/MS Tuning Specifications:	_____	✓ _____
a. DFTPP Passed	_____	✓ _____
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.	_____	✓ _____
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.	_____	✓ _____
5. GC/MS Calibration Requirements:		
a. Calibration Check Compounds	_____	✓ _____
b. System Performance Check Compounds	_____	✓ _____
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓ _____	_____
a. B/N Fraction _____		
b. Acid Fraction _____		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	✓ _____
a. B/N Fraction _____		
b. Acid Fraction _____		
If not met, were the calculations checked and the results qualified as "estimated"?	_____	na _____
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	✓ _____
a. B/N Fraction _____		
b. Acid Fraction _____		
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____
10. Extraction Holding Time Met	_____	✓ _____
If not met, list number of days exceeded for each sample:		
_____		
_____		
11. Analysis Holding Time Met	_____	✓ _____
If not met, list number of days exceeded for each sample:		
_____		
_____		
12. Sample Dilution Performed	✓ _____	_____
High Target Compounds	_____	
High Nontarget Compounds	_____	
Matrix Interference	_____	
Other	_____	

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Organics Manager

4-5-07  
\_\_\_\_\_  
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: URS Corp.

Project: KEYSpan-HEMPSTEAD

Lab Case No.: E07-03237

Lab ID:	03237-001	03237-002	03237-003	03237-004		
Client ID:	HIMW-03D	HIMW-04D	PZ-03	HIMW-04S		
Matrix:	Aqueous	Aqueous	Aqueous	Aqueous		
Sampled Date	4/4/07	4/4/07	4/4/07	4/4/07		
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL		
<b>Volatiles - BTEX (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Benzene	ND 0.250	ND 0.250	ND 0.250	ND 0.250		
Toluene	ND 0.310	ND 0.310	ND 0.310	ND 0.310		
Ethylbenzene	ND 0.300	ND 0.300	ND 0.300	ND 0.300		
Total Xylenes	ND 0.800	ND 0.800	ND 0.800	ND 0.800		
<b>Semivolatiles - PAH (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Naphthalene	ND 0.158	ND 0.158	ND 0.158	ND 0.158		
Acenaphthylene	ND 0.158	ND 0.158	ND 0.158	ND 0.158		
Acenaphthene	ND 0.170	ND 0.170	ND 0.170	ND 0.170		
Fluorene	ND 0.256	ND 0.256	ND 0.256	ND 0.256		
Phenanthrene	ND 0.440	ND 0.440	ND 0.440	ND 0.440		
Anthracene	ND 0.428	ND 0.428	ND 0.428	ND 0.428		
Fluoranthene	ND 0.576	ND 0.576	ND 0.576	ND 0.576		
Pyrene	ND 0.288	ND 0.288	ND 0.288	ND 0.288		
Benzo[a]anthracene	ND 0.260	ND 0.260	ND 0.260	ND 0.260		
Chrysene	ND 0.284	ND 0.284	ND 0.284	ND 0.284		
Benzo[b]fluoranthene	ND 0.540	ND 0.540	ND 0.540	ND 0.540		
Benzo[k]fluoranthene	ND 0.500	ND 0.500	ND 0.500	ND 0.500		
Benzo[a]pyrene	ND 0.380	ND 0.380	ND 0.380	ND 0.380		
Indeno[1,2,3-cd]pyrene	ND 0.520	ND 0.520	ND 0.520	ND 0.520		
Dibenz[a,h]anthracene	ND 0.720	ND 0.720	ND 0.720	ND 0.720		
Benzo[g,h,i]perylene	ND 0.586	ND 0.586	ND 0.586	ND 0.586		
<b>Alcohols (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Methane	~ ~	ND 60.0	~ ~	ND 60.0		
<b>Metals (Units)</b>	<i>(ug/L-ppb)</i>			<i>(ug/L-ppb)</i>		
Iron	~ ~	330 100	~ ~	120 100		
<b>General Analytical (Units)</b>						
Alkalinity(ug/L-ppb)	~ ~	13000 2000	~ ~	13500 2000		
Carbon Dioxide(ug/L-ppb)	~ ~	34400 400	~ ~	22000 400		
Nitrate (NO3)(ug/L-ppb)	~ ~	5020 500	~ ~	2000 500		
Nitrite (NO2)(ug/L-ppb)	~ ~	ND 50.0	~ ~	ND 50.0		
Sulfate as SO4(ug/L-ppb)	~ ~	23100 1000	~ ~	22700 1000		
Heterotrophic Plate Count(CFU/ml)	~ ~	56 2	~ ~	26 2		
Lab ID:	03237-005	03237-006				
Client ID:	HIMW-04D FILT.	HIMW-04S FILT				
Matrix:	Aqueous	Aqueous				
Sampled Date	4/4/07	4/4/07				
PARAMETER(Units)	Conc Q MDL	Conc Q MDL				
<b>Metals (Units)</b>	<i>(ug/L-ppb)</i>		<i>(ug/L-ppb)</i>			
Iron	ND 100	ND 100				

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

**CUSTOMER**

**CLIENT INFORMATION**

Company: UKS Corporation  
 Address: 201 Wiltonbrook Blvd  
Wayne NJ 07974  
 Telephone #: 973-785-0700  
 Fax #: 973-785-0073  
 Project Manager: Mike Akerberg  
 Sampler: KH, AL, BB, TLM  
 Project Name: Kayspan - Hempstead  
 Project Location (State): NY  
 Bottle Order #:  
 Quote #:

REPORT TO: Mike Akerberg  
 Address:  
Michael - akersberg @  
ukscorp.com  
 Attn:  
 FAX #  
 INVOICE TO:  
 Address:  
 Attn:  
 PO #

Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*

Conditional TPHC  
 24 hr\* 48 hr 72 hr NA  
 Verbal/Fax/email 2 wk/Sid  
 24 hr\* 48 hr\* 72 hr\* 1 wk\*  
 Hard Copy 3 wk/Sid  
 2 wk\* call for price

Results needed by:  
 24 hr - 100% ...  
 48 hr - 75% ...  
 72 hr - 50% ...  
 96 hr - 35% ...  
 5 day - 25% ...  
 6-9 day 10%

Report Format  
 Results Only  
 Reduced  
 Regulatory  
 Other (describe)  
**CAT. A**

Results needed by:  
 24 hr - 100% ...  
 48 hr - 75% ...  
 72 hr - 50% ...  
 96 hr - 35% ...  
 5 day - 25% ...  
 6-9 day 10%

Report Format  
 Results Only  
 Reduced  
 Regulatory  
 Other (describe)  
**CAT. A**

SRP .dbr format  
 SRP .wki format  
 lab approved custom EDD  
 NO DISK/CD REQ'D

Sample Matrix  
 DW - Drinking Water AQ - Aqueous WW - Waste Water  
 OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)  
 S - Soil SL - Sludge SOL - Solid W - Wipe

Client ID	Depth	Date	Sampling Time	Matrix	container	IAL #
HI MW - 03D	NA	09/04/07	1020	AQ	3	1
HI MW - 04D	↓	↓	1220	↓	2	2
PZ - 03	↓	↓	1020	↓	3	3
HI MW - 04S	↓	↓	1218	↓	9	4

Method	Method	Nitrate/Nitrite	Total Dissolved Iron	Sulfate	Dissolved CO2	Dissolved Methane	Alkalinity	Heterotrophic Plate Count	HCl	NOH	ENOS	H2SO4	MdOH	Other	Name	Barcode
Method 624	Method 625	X	X	X	X	X	X	X	2							
STEX		X	X	X	X	X	X	X	2	1						
		X	X	X	X	X	X	X	2							
		X	X	X	X	X	X	X	2							

Known Hazard: Yes of No Describe:  
 Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS) ambiguities have been resolved.

Signature/Company	Date	Time	Signature/Company
<u>Long...</u>	<u>9/11/07</u>	<u>1439</u>	<u>...</u>
<u>...</u>	<u>9/11/07</u>	<u>1635</u>	<u>...</u>

Conc. Expected: Low Med High  
 Comments: Metals to be lab-filtered  
 Lab Case # 3237  
 PAGE: 1 of 1  
 05/2006

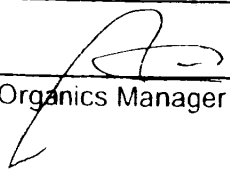


**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 3237

	<u>No</u>	<u>Yes</u>								
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	_____ ✓								
2. GC/MS Tuning Specifications: a. BFB Passed	_____	_____ ✓								
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	_____ ✓								
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	_____ ✓								
5. GC/MS Calibration Requirements: a. Calibration Check Compounds	_____	_____ na								
b. System Performance Check Compounds	_____	_____ na								
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	_____ ✓	_____								
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	_____ ✓								
If not met, were the calculations checked and the results qualified as "estimated"?	_____	_____ na								
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	_____ na								
9. Internal Standard Area/Retention Time Shift meet criteria	_____	_____ ✓								
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:	_____	_____ na								
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:	_____	_____ ✓								
12. Sample Dilution Performed	_____	_____ ✓								
<table border="0" style="width:100%"> <tr> <td align="center">High Target Compounds</td> <td align="center">High Nontarget Compounds</td> <td align="center">Matrix Interference</td> <td align="center">Other</td> </tr> <tr> <td align="center"><input type="text"/></td> <td align="center"><input type="text"/></td> <td align="center"><input type="text"/></td> <td align="center"><input type="text"/></td> </tr> </table>	High Target Compounds	High Nontarget Compounds	Matrix Interference	Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other							
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>							

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

4/9/07  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03237

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓ _____
2. GC/MS Tuning Specifications:		
a. DFTPP Passed	_____	✓ _____
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.	_____	✓ _____
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.	_____	✓ _____
5. GC/MS Calibration Requirements:		
a. Calibration Check Compounds		
b. System Performance Check Compounds	_____	✓ _____
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓ _____	_____
a. B/N Fraction		
b. Acid Fraction	_____	_____
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	✓ _____
a. B/N Fraction		
b. Acid Fraction	_____	_____
If not met, were the calculations checked and the results qualified as "estimated"?	_____	na _____
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	✓ _____
a. B/N Fraction		
b. Acid Fraction	_____	_____
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____
10. Extraction Holding Time Met	_____	✓ _____
If not met, list number of days exceeded for each sample:	_____	_____
_____		
11. Analysis Holding Time Met	_____	✓ _____
If not met, list number of days exceeded for each sample:	_____	_____
_____		
12. Sample Dilution Performed	✓ _____	_____
High Target Compounds		
High Nontarget Compounds		
Matrix Interference		
Other		
<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>
<input style="width: 80px; height: 20px;" type="text"/>		

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Organics Manager

4.9.07  
\_\_\_\_\_  
Date

**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - Miscellaneous**  
**Including Hydrocarbons, Metabolic Acids, and Gas Screens**

Lab Case Number: E07 - 03237

- |   | No | Yes |
|---|----|-----|
| 1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).  |    | ✓   |
| 2. Standards Summary submitted.   |    | ✓   |
| 3. Calibration - Initial calibration performed within 30 days prior to sample analysis and continuing calibration performed within 24 hrs of the sample analysis. |    | ✓   |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:   | ✓  |     |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 5. Surrogate Recoveries meet criteria (if applicable).<br>If not met, list those compounds and their recoveries which fall outside the acceptable range:          |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range):   |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 7. Retention Time Shift Meet Criteria (if applicable).  |    | ✓   |
| 8. Extraction Holding Time Met.<br>If not met, list number of days exceeded for each sample:  |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 9. Analysis Holding Time Met.<br>If not met, list number of days exceeded for each sample:  |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |

Comments:

\_\_\_\_\_

\_\_\_\_\_

  
 \_\_\_\_\_  
 Organic Manager

04-16-2007

Date



**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
METAL ANALYSIS**

Lab Case Number: E07-03237

	<u>No</u>	<u>Yes</u>
1. Calibration Summary Meet Criteria.	_____	✓ _____
2. ICP Interference Check Sample Results Meets Criteria (if applicable)	_____	✓ _____
3. Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
4. Internal Standards Meet Criteria (if applicable)	_____	✓ _____
5. Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
6. Blank Contamination: If yes, list compounds and concentrations in each blank:	✓ _____	_____
<hr/>		
7. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).	_____	✓ _____
8. Extraction Holding Time Met. If not, list number of days exceeded for each sample:	_____	✓ _____
<hr/>		
9. Analysis Holding Time Met. If not, list number of days exceeded for each sample:	_____	✓ _____

Additional Comments:

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*H. Falek-Jayaram*  
Inorganic Manager

April 10, 2007  
Date

**CHAIN OF CUSTODY**

**CLIENT**

Company: URS Corporation  
 Address: 201 Willowbrook Blvd,  
Wayne NJ 07474  
 Telephone #: 973-785-0700  
 Fax #: 973-785-0023  
 Project Manager: Mike Akerbergs  
 Sampler: KH, AL, BB,  
 Project Name: Keyspan - Hempstead  
 Project Location (State): NY  
 Bottle Order #:  
 Quote #:

**REPORTING INFO**

REPORT TO: Mike Akerbergs  
 Address: Michael - akerbergs@  
wsrarp.com  
 Attn:  
 FAX #  
 INVOICE TO: Mike Akerbergs  
 Address:

**Turnaround Time** (starts the following day if samples rec'd at lab > 5PM)  
**Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\***

Conditional TPHC  
 24 hr\* 48 hr 72 hr NA  
 Verbal/Fax/EMAIL 2 wk/Std  
 24 hr\* 48 hr\* 72 hr\* 1 wk\*  
 Hard Copy 3 wk/Std  
 2 wk\* call for price

Results needed by:  
 Results Only  
 Reduced  
 Regulatory  
 Other (describe)  
**Cat. A.**

Rush TAT Charge \*\*  
 24 hr - 100% ...  
 48 hr - 75% ...  
 72 hr - 50% ...  
 96 hr - 35% ...  
 5 day - 25% ...  
 6-9 day 10%

Report Format  
 SRP.dbf format  
 SRP.wk1 format  
 lab approved custom  
 EDD

DISKETTE  
 NO DISK/CD REQ'D

**SAMPLE INFORMATION**

Client ID	Depth	Sample Matrix	Date	Sampling Time	Matrix	Container	IAL#
H1MW-03I	NA	AQ	4/5/07	0915	AQ	3	1
H1MW-04I	NA			1220		9	2
TB-040507				1345		6	3
H1MW-10D				1130		9	4
H1MW-09S				0939		3	5
H1MW-09I				1422		3	6
TB040507		AQ				2	7
							8
							9
							10

**ANALYTICAL PARAMETERS**

Method	Method	Nitrate/Nitrite	Total/dissolved iron	Sulfate	Dissolved CO2	Dissolved methane	Alkalinity	Heterotrophic plate count	HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
Method 629	Method 629	X	X	X	X	X	X	X	2							1
Method 629	Method 629	X	X	X	X	X	X	X	2							15
Method 629	Method 629	X	X	X	X	X	X	X	2							14
Method 629	Method 629	X	X	X	X	X	X	X	2							15
Method 629	Method 629	X	X	X	X	X	X	X	2							1
Method 629	Method 629	X	X	X	X	X	X	X	2							1

# BOTTLES & PRESERVATIVES

Cooler Temp 5 °C

Conc. Expected: Low ( ) Medium ( ) High ( )

Known Hazard: Yes ( ) No ( ) Describe:

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS) ambiguities have been resolved.

Relinquished by:	Signature/Company	Date	Time	Received by:	Signature/Company
	<u>Mike Akerbergs</u>	<u>4/5/07</u>	<u>1500</u>		<u>Mike Akerbergs</u>
	<u>AP M</u>	<u>4/5/07</u>	<u>1645</u>		<u>AP M</u>

Comments: Metals to be lab-filtered

Lab Case # 03297

PAGE:      of

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 3297

	<u>No</u>	<u>Yes</u>	
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	_____ ✓	
2. GC/MS Tuning Specifications: a. BFB Passed	_____	_____ ✓	
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	_____ ✓	
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	_____ ✓	
5. GC/MS Calibration Requirements: a. Calibration Check Compounds	_____	_____ na	
b. System Performance Check Compounds	_____	_____ na	
6. Blank Contamination - If yes, list compounds and concentrations in each blank: _____	_____ ✓	_____	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) _____	_____	_____ ✓	
If not met, were the calculations checked and the results qualified as "estimated"?	_____	_____ na	
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) _____	_____	_____ na	
9. Internal Standard Area/Retention Time Shift meet criteria	_____	_____ ✓	
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample: _____	_____	_____ na	
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample: _____	_____	_____ ✓	
12. Sample Dilution Performed	_____	_____	
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

4/10/07  
Date



**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03297

	No	Yes								
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓								
2. GC/MS Tuning Specifications:										
a. DFTPP Passed		✓								
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓								
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓								
5. GC/MS Calibration Requirements:										
a. Calibration Check Compounds		✓								
b. System Performance Check Compounds		✓								
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓									
a. B/N Fraction										
b. Acid Fraction										
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓								
a. B/N Fraction										
b. Acid Fraction										
If not met, were the calculations checked and the results qualified as "estimated"?		na								
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓								
a. B/N Fraction										
b. Acid Fraction										
9. Internal Standard Area/Retention Time Shift meet criteria		✓								
10. Extraction Holding Time Met		✓								
If not met, list number of days exceeded for each sample:										
_____										
_____										
11. Analysis Holding Time Met		✓								
If not met, list number of days exceeded for each sample:										
_____										
_____										
12. Sample Dilution Performed	✓									
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 25%;">High Target Compounds</td> <td style="text-align: center; width: 25%;">High Nontarget Compounds</td> <td style="text-align: center; width: 25%;">Matrix Interference</td> <td style="text-align: center; width: 25%;">Other</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; width: 25px; height: 20px;"></td> <td style="text-align: center; border: 1px solid black; width: 25px; height: 20px;"></td> <td style="text-align: center; border: 1px solid black; width: 25px; height: 20px;"></td> <td style="text-align: center; border: 1px solid black; width: 25px; height: 20px;"></td> </tr> </table>	High Target Compounds	High Nontarget Compounds	Matrix Interference	Other						
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other							

13. Comments:

\_\_\_\_\_

\_\_\_\_\_

  
Organics Manager

4-11-07  
Date

INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC ANALYSIS - Miscellaneous

Including Hydrocarbons, Metabolic Acids, and Gas Screens

Lab Case Number: E07 - 03297

- |   | <u>No</u> | <u>Yes</u> |
|---|-----------|------------|
| 1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).  | _____     | <u>✓</u>   |
| 2. Standards Summary submitted.   | _____     | <u>✓</u>   |
| 3. Calibration - Initial calibration performed within 30 days prior to sample analysis and continuing calibration performed within 24 hrs of the sample analysis. | _____     | <u>✓</u>   |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:   | <u>✓</u>  | _____      |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 5. Surrogate Recoveries meet criteria (if applicable).<br>If not met, list those compounds and their recoveries which fall outside the acceptable range:          | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range):   | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 7. Retention Time Shift Meet Criteria (if applicable).  | _____     | <u>✓</u>   |
| 8. Extraction Holding Time Met.<br>If not met, list number of days exceeded for each sample:  | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 9. Analysis Holding Time Met.<br>If not met, list number of days exceeded for each sample:  | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |

Comments:  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Organic Manager

04-16-2007

Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
METAL ANALYSIS**

Lab Case Number:   E07-03297  

	<u>No</u>	<u>Yes</u>
1. Calibration Summary Meet Criteria.	_____	✓ _____
2. ICP Interference Check Sample Results Meets Criteria (if applicable)	_____	✓ _____
3. Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
4. Internal Standards Meet Criteria (if applicable)	_____	✓ _____
5. Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
6. Blank Contamination: If yes, list compounds and concentrations in each blank:  _____	✓ _____	_____
7. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).	_____	✓ _____
8. Extraction Holding Time Met. If not, list number of days exceeded for each sample:  _____	_____	✓ _____
9. Analysis Holding Time Met. If not, list number of days exceeded for each sample:  _____	_____	✓ _____

**Additional Comments:**

Sample(s) used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

03297-002: 0.2%, 03297-004: 0.2%

*H. Fabrik-Peyronnet*  
Inorganic Manager

April 12, 2007  
Date



**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK**

Lab File ID: B4180.D

DFTPP Injection Date : 04/11/2007

Inst ID: MSDB

DFTPP Injection Time: 10:07

m/z	Ion Abundance Criteria	%Relative Abundance	
51	30.0 - 60.0% of mass 198	30.1	
68	Less than 2.0% of mass 69	0.7	( 2.0 )1
69	Mass 69 relative abundance	32.7	
70	Less than 2.0% of mass 69	0.3	( 0.8 )1
127	40.0 - 60.0% of mass 198	47.2	
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	6.3	
275	10.0 - 30.0% of mass 198	26.4	
365	Greater than 1.0% of mass 198	3.9	
441	Present, but less than mass 443	15.18	( 74.5 )3
442	40.0 - 100.0% of mass 198	97.5	
443	17.0 - 23.0% of mass 442	20.4	( 20.9 )2

1-Value is % mass 69    2-Value is % mass 442    3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
ABN056.07	20ngOLMO4_FORB4181.D		04/11/2007	10:23
ABN043.07	20ngBNA_FOR_0	B4183.D	04/11/2007	10:54
.	Method_Blank	B4193.D	04/11/2007	13:05
.	MS	B4194.D	04/11/2007	13:22
.	MSD	B4195.D	04/11/2007	13:38
MW-01/3.35	03347-001	B4196.D	04/11/2007	13:54
MW-02/3.89	03347-002	B4197.D	04/11/2007	14:11
MW-03/3.38	03347-003	B4198.D	04/11/2007	14:27
29-PS1-66	03317-001	B4199.D	04/11/2007	14:44
29-PS6-66	03317-002	B4200.D	04/11/2007	15:00
29-DUP040407	03317-004	B4201.D	04/11/2007	15:32
KO-1	03334-001	B4202.D	04/11/2007	15:49
KO-2	03334-002	B4203.D	04/11/2007	16:05
MI-MW-2	03380-002	B4204.D	04/11/2007	16:21
MI-TW-1	03380-003	B4205.D	04/11/2007	16:37
INFLUENT	03388-001	B4206.D	04/11/2007	16:53
EFFLUENT	03388-002	B4207.D	04/11/2007	17:10
HIMW-12S	03389-002	B4208.D	04/11/2007	17:26
HIMW-8I	03389-003	B4209.D	04/11/2007	17:42
HIMW-09D	03389-005	B4210.D	04/11/2007	17:59
HIMW-10I	03389-006	B4211.D	04/11/2007	18:15
SP-1-AQ	03406-001	B4212.D	04/11/2007	18:31
SP-2-AQ	03406-002	B4213.D	04/11/2007	18:48

Evaluate Continuing Calibration Report

File : C:\MSDCHEM\1\DATA\04-11-07\B4183.D  
 On : 11 Apr 2007 10:54  
 Sample : ABN043.07,20ngBNA\_FOR\_04/11/07  
 C : ,1  
 Integration Params: rteint.p

Vial: 98  
 Operator:  
 Inst : MSD\_B  
 Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\BW0607.M (RTE Integrator)  
 Name : BNA CALIBRATION METHOD  
 Update : Mon Apr 02 13:59:16 2007  
 Response via : Multiple Level Calibration

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	73	-0.02
	N-Nitrosodimethylamine	0.732	0.788	-7.7	75	-0.02
	Pyridine	0.925	0.915	1.1	67	-0.01
	2-Fluorophenol	1.320	1.558	-18.0	73	-0.01
	Benzaldehyde	0.903	0.838	7.2	84	-0.02
	Phenol-d5	1.699	1.797	-5.8	69	-0.02
MC	Phenol	1.793	1.990	-11.0	84	-0.02
	Aniline	0.761	0.782	-2.8	72	-0.02
	Bis(2-chloroethyl) ether	0.961	1.011	-5.2	73	-0.02
M	2-Chlorophenol	1.349	1.405	-4.2	76	-0.02
	1,3-Dichlorobenzene	1.485	1.569	-5.7	77	-0.02
MC	1,4-Dichlorobenzene	1.500	1.426	4.9	68	-0.02
	Benzyl alcohol	0.793	0.808	-1.9	71	-0.02
	1,2-Dichlorobenzene	1.434	1.410	1.7	71	-0.02
	2-Methylphenol	1.237	1.224	1.1	69	-0.02
	Bis(2-chloroisopropyl) ethe	1.732	1.909	-10.2	78	-0.01
	4-Methylphenol	1.280	1.276	0.3	75	-0.02
MP	N-Nitrosodi-n-propylamine	0.956	0.967	-1.2	73	-0.02
	Acetophenone	1.710	1.738	-1.6	75	-0.02
	2-Aminotoluene +4-Aminotolu	1.354	1.298	4.1	70	-0.02
	Hexachloroethane	0.529	0.564	-6.6	78	-0.02
	2,6-Dimethylphenol	1.142	1.157	-1.3	93	-0.01
I	Naphthalene-d8	1.000	1.000	0.0	72	-0.02
S	Nitrobenzene-d5	0.370	0.335	9.5	72	-0.02
	Nitrobenzene	0.349	0.375	-7.4	77	-0.02
	Isophorone	0.608	0.680	-11.8	76	-0.02
TC	2-Nitrophenol	0.190	0.208	-9.5	76	-0.02
	2,4+2,5-Dimethylphenol	0.356	0.352	1.1	66	-0.02
	Bis(2-chloroethoxy) methane	0.384	0.429	-11.7	79	-0.02
	Benzoic acid	0.165	0.156	5.5	67	-0.03
	2,4-Dimethylaniline	0.184	0.180	2.2	66	-0.02
2 TC	2,4-Dichlorophenol	0.306	0.304	0.7	68	-0.01
3 M	1,2,4-Trichlorobenzene	0.315	0.328	-4.1	73	-0.02
4 T	Naphthalene	1.040	1.066	-2.5	70	-0.02
5 T	4-Chloroaniline	0.551	0.570	-3.4	71	-0.02
6 T	4-Aminoaniline	0.391	0.355	9.2	83	-0.01
7 TC	Hexachlorobutadiene	0.188	0.184	2.1	69	-0.02
8 T	Caprolactam	0.135	0.147	-8.9	72	-0.03
9 T	2-Aminoaniline	0.385	0.322	16.4	69	-0.02
40 MC	4-Chloro-3-methylphenol	0.302	0.320	-6.0	72	-0.02
41 T	2-Methylnaphthalene	0.697	0.716	-2.7	73	-0.01
42 T	3,5-Dimethylphenol	0.352	0.326	7.4	83	-0.01
43 I	Acenaphthene-d10	1.000	1.000	0.0	67	-0.01
44 TP	Hexachlorocyclopentadiene	0.292	0.270	7.5	62	-0.01
45 TC	2,4,6-Trichlorophenol	0.335	0.352	-5.1	70	-0.02

T	2,4,5-Trichlorophenol	0.368	0.390	-6.0	72	-0.02
S	2-Fluorobiphenyl	1.284	1.299	-1.2	75	-0.01
T	Biphenyl	1.360	1.478	-8.7	73	-0.02
T	2-Chloronaphthalene	1.059	1.112	-5.0	71	-0.02
T	2-Nitroaniline	0.289	0.312	-8.0	68	-0.01
T	Dimethyl phthalate	1.235	1.325	-7.3	71	-0.02
T	2,6-Dinitrotoluene	0.257	0.265	-3.1	69	-0.02
T	Acenaphthylene	1.734	1.804	-4.0	68	-0.02
T	3-Nitroaniline	0.292	0.294	-0.7	63	-0.02
MC	Acenaphthene	1.093	1.119	-2.4	66	-0.02
TP	2,4-Dinitrophenol	0.204	0.220	-7.8	69	-0.02
MP	4-Nitrophenol	0.227	0.225	0.9	68	-0.01
M	2,4-Dinitrotoluene	0.322	0.325	-0.9	64	-0.02
T	Dibenzofuran	1.598	1.624	-1.6	66	-0.02
T	Diethyl phthalate	1.214	1.301	-7.2	73	-0.02
T	Fluorene	1.218	1.298	-6.6	73	-0.02
T	4-Chlorophenyl phenyl ether	0.629	0.618	1.7	66	-0.02
T	4-Nitroaniline	0.330	0.309	6.4	63	-0.02
T	1,2,4,5-Tetrachlorobenzene	0.286	0.291	-1.7	67	-0.02
T	Hydroquinone	0.741	0.701	5.4	79	-0.03
I	Phenanthrene-d10	1.000	1.000	0.0	67	-0.02
T	4,6-Dinitro-2-methylphenol	0.102	0.095	6.9	65	-0.02
TC	N-Nitrosodiphenylamine	0.482	0.496	-2.9	65	-0.02
T	1,2-Diphenylhydrazine	0.720	0.769	-6.8	67	-0.02
S	2,4,6-Tribromophenol	0.177	0.197	-11.3	68	-0.02
T	4-Bromophenyl phenyl ether	0.209	0.219	-4.8	70	-0.02
T	Hexachlorobenzene	0.241	0.236	2.1	64	-0.02
T	Atrazine	0.175	0.171	2.3	64	-0.02
MC	Pentachlorophenol	0.131	0.136	-3.8	68	-0.02
T	Phenanthrene	0.949	0.948	0.1	64	-0.02
T	Anthracene	0.982	0.960	2.2	64	-0.03
T	Carbazole	0.869	0.877	-0.9	66	-0.02
T	Di-n-butyl phthalate	1.072	1.173	-9.4	72	-0.03
TC	Fluoranthene	0.906	0.920	-1.5	66	-0.03
T	Benzidine	0.503	0.394	21.7	78	-0.03
T	2-Picoline	0.304	0.267	12.2	80	-0.01
I	Chrysene-d12	1.000	1.000	0.0	60	-0.05
M	Pyrene	1.139	1.225	-7.6	63	-0.03
S	Terphenyl-d14	0.888	0.843	5.1	63	-0.04
T	3,3'-Dimethylbenzidine	0.528	0.504	4.5	80	-0.05
T	Butyl benzyl phthalate	0.470	0.574	-22.1	74	-0.05
T	3,3'-Dichlorobenzidine	0.317	0.348	-9.8	64	-0.05
T	Benzo[a]anthracene	0.900	0.958	-6.4	64	-0.05
T	Chrysene	0.976	1.037	-6.2	63	-0.05
T	Bis(2-ethylhexyl) phthalate	0.637	0.816	-28.1	77	-0.04
T	3-Picoline	0.435	0.463	-6.4	89	-0.04
I	Perylene-d12	1.000	1.000	0.0	67	-0.03
TC	Di-n-octyl phthalate	1.111	1.152	-3.7	69	-0.04
T	Benzo[b]fluoranthene	0.808	1.006	-24.5	76	-0.04
T	Benzo[k]fluoranthene	1.122	1.108	1.2	63	-0.04
TC	Benzo[a]pyrene	0.799	0.927	-16.0	76	-0.03
T	Indeno[1,2,3-cd]pyrene	0.839	0.993	-18.4	80	-0.03
T	Dibenz[a,h]anthracene	0.707	0.779	-10.2	76	-0.03
T	Benzo[g,h,i]perylene	0.762	0.847	-11.2	75	-0.03

(#) = Out of Range

B3880.D BW0607.M

SPCC's out = 0 CCC's out = 0

Wed Apr 11 11:08:30 2007 MSD\_B



**CUSTOMER**

Company: URS Corporation  
 Address: 20 Willowbrook Blvd.  
Wayne NJ 07474  
 Telephone #: 973-785-0700  
 Fax #: 973-785-0023  
 Project Manager: Mike Akerbergs  
 Sampler: AL, KH, BB, TM  
 Project Name: Keyspan - Hempstead  
 Project Location (State): NY  
 Bottle Order #:  
 Quote #:

**REPORTING INFO**

REPORT TO: Mike Akerbergs  
 Address:  
michael\_akerbergs@  
 Attn: wscorp.com  
 FAX #  
 INVOICE TO: Mike Akerbergs  
 Address:  
 Attn:  
 PO #

**Turnaround Time** (starts the following day if samples rec'd at lab > 5PM)  
 Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*

**Conditional TPHC**  
 24 hr\* 48 hr 72 hr NA  
Verbal/Fax/EMAIL/2 wk/Std  
 24 hr\* 48 hr\* 72 hr\*  
Hard Copy  
 2 wk\* call for price

**Results needed by:**  
 Results Only  
 Reduced  
 Regulatory  
 Other (describe)  
Cat. A

**Report Format**  
 SRP .dht format  
 SRP .wkl format  
 Lab approved custom EDD  
 NO DISK/CD REQ'D

**Rush TAT Change\*\***  
 24 hr - 100% ...  
 48 hr - 75% ...  
 72 hr - 50% ...  
 96 hr - 35% ...  
 5 day - 25% ...  
 6-9 day 10%

**DisKETTE**

Cooler Temp \_\_\_\_\_ °C

**SAMPLE INFORMATION**

Client ID	Depth	Sample Matrix	Date	Sampling Time	Matrix	# container	IAL #
HI MW - 85	NA	AQ	07/06/07	1000	AQ	3	1
HI MW - 125		AQ	1810		AQ	9	2
HI MW - 81		AQ	1420		AQ	3	3
TP040607		AQ	-		AQ	2	4
HI MW - 09D		AQ	1123		AQ	3	5
HI MW - 10I		AQ	1328		AQ	9	6

**ANALYTICAL PARAMETERS**

Parameter	BTEX Method 629	PPH Method 625	Nitrate/Nitrite	Total/dissolved iron	Sulfate	Dissolved CO2	Dissolved methane	Alkalinity	Heterotrophic plate count	HC	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
	X	X	X	X	X	X	X	X	X	2						1	
	X	X	X	X	X	X	X	X	X	2		1			15		
	X	X	X	X	X	X	X	X	X	2					1		
	X	X	X	X	X	X	X	X	X	2							
	X	X	X	X	X	X	X	X	X	2		1			15		

**# BOTTLES & PRESERVATIVES**

Known Hazard: Yes or No Describe: \_\_\_\_\_  
 Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)

Relinquished by:	Signature/Company	Date	Time	Received by:	Signature/Company
<u>Michael Hempstead</u>	<u>URS</u>	<u>07/06/07</u>	<u>1440</u>	<u>[Signature]</u>	<u>URS</u>
<u>[Signature]</u>	<u>URS</u>	<u>07/06/07</u>	<u>1620</u>	<u>[Signature]</u>	<u>URS</u>

Comments: Metals to be lab-filtered

Lab Case # 03389

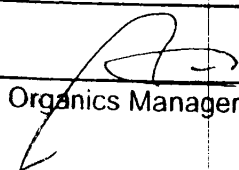
PAGE: 1 of 1

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 3389

	<u>No</u>	<u>Yes</u>	
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	_____ ✓	
2. GC/MS Tuning Specifications: a. BFB Passed	_____	_____ ✓	
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	_____ ✓	
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	_____ ✓	
5. GC/MS Calibration Requirements: a. Calibration Check Compounds	_____	_____ na	
b. System Performance Check Compounds	_____	_____ na	
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	_____ ✓	_____	
<hr/>			
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	_____ ✓	
<hr/>			
If not met, were the calculations checked and the results qualified as "estimated"?	_____	_____ na	
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	_____ na	
<hr/>			
9. Internal Standard Area/Retention Time Shift meet criteria	_____	_____ ✓	
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:	_____	_____ na	
<hr/>			
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:	_____	_____ ✓	
<hr/>			
12. Sample Dilution Performed	_____	_____ ✓	
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>	<input style="width: 80px; height: 20px;" type="text"/>

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

4/11/07  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03389

	<u>No</u>	<u>Yes</u>
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks)	_____	✓ _____
2. GC/MS Tuning Specifications: a. DFTPP Passed	_____	✓ _____
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.	_____	✓ _____
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.	_____	✓ _____
5. GC/MS Calibration Requirements: a. Calibration Check Compounds b. System Performance Check Compounds	_____	✓ ✓ _____
6. Blank Contamination - If yes, list compounds and concentrations in each blank: a. B/N Fraction _____ b. Acid Fraction _____	✓ _____	_____
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____ If not met, were the calculations checked and the results qualified as "estimated"?	_____	✓ _____
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____	_____	na ✓ _____
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample: _____ _____	_____	✓ _____
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample: _____ _____	_____	✓ _____
12. Sample Dilution Performed High Target Compounds      High Nontarget Compounds      Matrix Interference      Other	✓ _____	_____
	[ ]	[ ]
	[ ]	[ ]

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Organics Manager

4-12-07  
\_\_\_\_\_  
Date



**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - Miscellaneous**  
**Including Hydrocarbons, Metabolic Acids, and Gas Screens**

Lab Case Number: E07 - 03389

- |   | No | Yes |
|---|----|-----|
| 1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).  |    | ✓   |
| 2. Standards Summary submitted.   |    | ✓   |
| 3. Calibration - Initial calibration performed within 30 days prior to sample analysis and continuing calibration performed within 24 hrs of the sample analysis. |    | ✓   |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:   | ✓  |     |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 5. Surrogate Recoveries meet criteria (if applicable).<br>If not met, list those compounds and their recoveries which fall outside the acceptable range:          |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)    |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 7. Retention Time Shift Meet Criteria (if applicable).  |    | ✓   |
| 8. Extraction Holding Time Met.<br>If not met, list number of days exceeded for each sample:  |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 9. Analysis Holding Time Met.<br>If not met, list number of days exceeded for each sample:  |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |

Comments:

\_\_\_\_\_

\_\_\_\_\_

  
 \_\_\_\_\_  
 Organic Manager

04-16-2007  
 \_\_\_\_\_  
 Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
METAL ANALYSIS**

Lab Case Number: E07-03389

	<u>No</u>	<u>Yes</u>
1. Calibration Summary Meet Criteria.	_____	✓ _____
2. ICP Interference Check Sample Results Meets Criteria (if applicable)	_____	✓ _____
3. Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
4. Internal Standards Meet Criteria (if applicable)	_____	✓ _____
5. Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
6. Blank Contamination: If yes, list compounds and concentrations in each blank:	✓ _____	_____
<hr/>		
7. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).	_____	✓ _____
8. Extraction Holding Time Met. If not, list number of days exceeded for each sample:	_____	✓ _____
<hr/>		
9. Analysis Holding Time Met. If not, list number of days exceeded for each sample:	_____	✓ _____

**Additional Comments:**

Sample(s) used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

03389-002: 0.5%, 03389-006: Trace

*H. Falek-Pogorelec*

Inorganic Manager

April 12, 2007

Date

**CHAIN OF CUSTODY**

**REPORTING INFO**

REPORT TO: Mike Alexander

Address: Wayne, NJ 07474

Alt#: 973-785-0700

FAX #: 973-785-0023

INVOICE TO: Mike Alexander

Address: KTIBB, IM

Alt#: WenSPAN

PO #: Long Island, NY

**REPORTING INFO**

Company: URS Corporation

Address: 201 W. 110th Street, Bklyn

Telephone #: 973-785-0700

Fax #: 973-785-0023

Project Manager: Mike Alexander

Sampler: KTIBB, IM

Project Name: WenSPAN

Project Location (State): Long Island, NY

Bottle Order #:

Quote #:

**SAMPLE INFORMATION**

Client ID	Depth	Date	Sampling Time	Matrix	# container	LAL #
HIMW-8D		4/9/07	1120	AQ	3	1
HIMW-12I		4/9/07	1435	AQ	9	2
HIMW-10S		4/9/07	1437	AQ	9	3
HIMW-13I		4/9/07	1201	AQ	3	4
18040907		4/9/07		AQ	2	5

**ANALYTICAL PARAMETERS**

Parameter	24 hr*	48 hr*	72 hr*	71 hr	NA
BTEX	X	X	X	X	X
PAH	X	X	X	X	X
Methanol/Nitro	X	X	X	X	X
Total Dissolved	X	X	X	X	X
Sulfate	X	X	X	X	X
Dissolved CO2	X	X	X	X	X
Dissolved Hydrocarbons	X	X	X	X	X
Aromatic Hydrocarbons	X	X	X	X	X
Phenolics	X	X	X	X	X

**Known Hazard: Yes or (No) Describe:**

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS) ambiguities have been resolved.

Signature/Company	Date	Time	Signature/Company
<u>Emily S. [Signature]</u>	4/9/07	1505	<u>[Signature]</u>
<u>[Signature]</u>	4/9/07	1645	

**Turnaround Time (starts the following day if samples rec'd at lab > 5PM)**

Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*

**Conditional TPHC**

24 hr\* 48 hr\* 72 hr\* 71 hr NA

Verbal/Fax 2 wk/Std

24 hr\* 48 hr\* 72 hr\* 1 wk\*

Hard Copy 3 wk/Std

2 wk\* call for price

**Results needed by:**

24 hr - 100% ...  
48 hr - 75% ...  
72 hr - 50% ...  
96 hr - 35% ...  
5 day - 25% ...  
6-9 day 10%

**Report Format**

Results Only  
Reduced  
Regulatory  
Other (describe)  
CATA

**DISKETTE**

SRP. dbf format  
SRP. wk1 format  
lab approved custom EDD  
NO DISK/CD REQ'D

Cooler Temp 5 °C

**# BOTTLES & PRESERVATIVES**

HC1	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
2		1				1	
2		1				1	
2		1				1	
2		1				1	

**Conc. Expected: Low (M) High**

Comments:

Lab Case # 03416

PAGE: 1 of 1



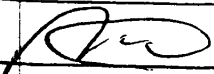
**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03416

	<u>No</u>	<u>Yes</u>
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	_____ ✓
2. GC/MS Tuning Specifications:	_____	_____ ✓
a. DFTPP Passed	_____	_____ ✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.	_____	_____ ✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.	_____	_____ ✓
5. GC/MS Calibration Requirements:	_____	_____ ✓
a. Calibration Check Compounds	_____	_____ ✓
b. System Performance Check Compounds	_____	_____ ✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	_____	_____ ✓
a. B/N Fraction	_____	_____ ✓
b. Acid Fraction	_____	_____
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	_____ ✓
a. B/N Fraction	_____	_____
b. Acid Fraction	_____	_____
If not met, were the calculations checked and the results qualified as "estimated"?	_____	_____ na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	_____ ✓
a. B/N Fraction	_____	_____
b. Acid Fraction	_____	_____
9. Internal Standard Area/Retention Time Shift meet criteria	_____	_____ ✓
10. Extraction Holding Time Met	_____	_____ ✓
If not met, list number of days exceeded for each sample:	_____	_____ ✓
_____	_____	_____
11. Analysis Holding Time Met	_____	_____ ✓
If not met, list number of days exceeded for each sample:	_____	_____
_____	_____	_____
12. Sample Dilution Performed	_____	_____ ✓
High Target Compounds	_____	_____
High Nontarget Compounds	_____	_____
Matrix Interference	_____	_____
Other	_____	_____

13. Comments:

\_\_\_\_\_

  
Organics Manager

4-13-07  
Date

**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - Miscellaneous**  
**Including Hydrocarbons, Metabolic Acids, and Gas Screens**

Lab Case Number: E07 - 03416

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	<u>✓</u>
2. Standards Summary submitted.	_____	<u>✓</u>
3. Calibration - Initial calibration performed within 30 days prior to sample analysis and continuing calibration performed within 24 hrs of the sample analysis.	_____	<u>✓</u>
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	<u>✓</u>	_____
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:	_____	<u>✓</u>
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	<u>✓</u>
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		
7. Retention Time Shift Meet Criteria (if applicable).	_____	<u>✓</u>
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:	_____	<u>✓</u>
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:	_____	<u>✓</u>
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		

Comments:

\_\_\_\_\_

  
 Organic Manager

04-16-2007  
 Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
METAL ANALYSIS**

Lab Case Number: E07-03416

	<u>No</u>	<u>Yes</u>
1. Calibration Summary Meet Criteria.	_____	✓ _____
2. ICP Interference Check Sample Results Meets Criteria (if applicable)	_____	✓ _____
3. Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
4. Internal Standards Meet Criteria (if applicable)	_____	✓ _____
5. Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
6. Blank Contamination: If yes, list compounds and concentrations in each blank:	✓ _____	_____
_____		
7. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).	_____	✓ _____
8. Extraction Holding Time Met. If not, list number of days exceeded for each sample:	_____	✓ _____
_____		
9. Analysis Holding Time Met. If not, list number of days exceeded for each sample:	_____	✓ _____
_____		
Additional Comments:		
_____		
_____		

*H. Falek-Pogorelec*

Inorganic Manager

April 12, 2007

Date



**CHAIN OF CUSTODY**

**Turnaround Time** (starts the following day if samples rec'd at lab > 5PM)  
 Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*

**Conditional TPHC**  
 24 hr\* 48 hr 72 hr NA  
 Verbal/Fax 2 wk/Std  
 24 hr\* 48 hr\* 72 hr\* 1 wk\*  
 Hard Copy 3 wk/Std  
 2 wk\* call for price

**Results needed by:**

**Rush TAT Charge\*\***  
 24 hr - 100% ...  
 48 hr - 75% ...  
 72 hr - 50% ...  
 96 hr - 35% ...  
 5 day - 25% ...  
 6-9 day 10%

**Report Format**  
 Results Only  
 Reduced  
 Regulatory  
 Other (describe)  
 CHA

**DISKETTE**  
 SRP .dbf format  
 SRP .wk1 format  
 lab approved custom EDD  
 NO DISK/CD REQ'D

**ANALYTICAL PARAMETERS**

Parameter	24 hr	48 hr	72 hr	NA
Total Alkalinity	X	X	X	
dissolved CO2	X	X	X	
Sulfate	X	X	X	
nitrite/nitrate	X	X	X	
dissolved methane	X	X	X	
Total/dissolved iron	X	X	X	
PH Method 624	X	X	X	
PH Method 625	X	X	X	

**# BOTTLES & PRESERVATIVES**

HC	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
2						2	
2	1			1		6	
2						2	

Cooler Temp 5 °C

**REPORTING INFO**

**REPORT TO:**  
 Address: Mike Akbarog  
 Attn: Mike Akbarog  
 PO #

**INVOICE TO:**  
 Address: Mike Akbarog  
 Attn: Mike Akbarog  
 PO #

**CUSTOMER**

**Company:** IAS Corporation  
**Address:** 201 Cecilwoodbrook Blvd  
 Wayne, NJ 07094  
**Telephone #:** 973-785-0700  
**Fax #:** 973-785-0023  
**Project Manager:** Mike Akbarog  
**Sampler:** BUAL  
**Project Name:** Kayson  
**Project Location (State):** New York  
**Bottle Order #:**  
**Quote #:**

**SAMPLE INFORMATION**

Client ID	Depth	Date	Sampling Time	Matrix	# containers	IAL #
HEMW-13D	NA	07/07	1030	AQ	4	1
HEMW-14I	↓	↓	1305	↓	10	2
FB041007	↓	↓	↓	↓	4	3

**Sample Matrix**  
 DW - Drinking Water AQ - Aqueous WW - Waste Water  
 OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)  
 S - Soil SL - Sludge SOL - Solid W - Wipe

**Known Hazard:** Yes of (No) Describe:  
 Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MIDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)  
 ambiguities have been resolved.

Signature/Company	Date	Time	Signature/Company
Thom Submitt	5/10/07	1425	Mike Akbarog
Ray Submitt	5/10/07	1615	

Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_

Comments: Metals must be lab-filtered

Lab Case # 03440

PAGE: 1 of 1

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 3440

	<u>No</u>	<u>Yes</u>								
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	_____ ✓								
2. GC/MS Tuning Specifications: a. BFB Passed	_____	_____ ✓								
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	_____ ✓								
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	_____ ✓								
5. GC/MS Calibration Requirements: a. Calibration Check Compounds	_____	_____ na								
b. System Performance Check Compounds	_____	_____ na								
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	_____ ✓	_____								
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	_____ ✓								
If not met, were the calculations checked and the results qualified as "estimated"?	_____	_____ na								
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	_____ na								
9. Internal Standard Area/Retention Time Shift meet criteria	_____	_____ ✓								
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:	_____	_____ na								
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:	_____	_____ ✓								
12. Sample Dilution Performed	_____ ✓	_____								
<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">High Target Compounds</td> <td style="text-align: center;">High Nontarget Compounds</td> <td style="text-align: center;">Matrix Interference</td> <td style="text-align: center;">Other</td> </tr> <tr> <td style="text-align: center;"><input type="text"/></td> <td style="text-align: center;"><input type="text"/></td> <td style="text-align: center;"><input type="text"/></td> <td style="text-align: center;"><input type="text"/></td> </tr> </table>	High Target Compounds	High Nontarget Compounds	Matrix Interference	Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other							
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>							

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

4/13/07  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03440

	No	Yes								
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓								
2. GC/MS Tuning Specifications:		✓								
a. DFTPP Passed										
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓								
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓								
5. GC/MS Calibration Requirements:										
a. Calibration Check Compounds		✓								
b. System Performance Check Compounds		✓								
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓									
a. B/N Fraction _____										
b. Acid Fraction _____										
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓								
a. B/N Fraction _____										
b. Acid Fraction _____										
If not met, were the calculations checked and the results qualified as "estimated"?		na								
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓								
a. B/N Fraction _____										
b. Acid Fraction _____										
9. Internal Standard Area/Retention Time Shift meet criteria		✓								
10. Extraction Holding Time Met		✓								
If not met, list number of days exceeded for each sample: _____ _____										
11. Analysis Holding Time Met		✓								
If not met, list number of days exceeded for each sample: _____ _____										
12. Sample Dilution Performed	✓									
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 25%;">High Target Compounds</td> <td style="text-align: center; width: 25%;">High Nontarget Compounds</td> <td style="text-align: center; width: 25%;">Matrix Interference</td> <td style="text-align: center; width: 25%;">Other</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; width: 25%; height: 20px;"></td> <td style="text-align: center; border: 1px solid black; width: 25%; height: 20px;"></td> <td style="text-align: center; border: 1px solid black; width: 25%; height: 20px;"></td> <td style="text-align: center; border: 1px solid black; width: 25%; height: 20px;"></td> </tr> </table>	High Target Compounds	High Nontarget Compounds	Matrix Interference	Other						
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other							

13. Comments: \_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

4-14-07  
Date



**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - Miscellaneous**  
**Including Hydrocarbons, Metabolic Acids, and Gas Screens**

Lab Case Number: E07 - 03440

	<u>No</u>	<u>Yes</u>
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓
2. Standards Summary submitted.	_____	✓
3. Calibration - Initial calibration performed within 30 days prior to sample analysis and continuing calibration performed within 24 hrs of the sample analysis.	_____	✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	_____
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:	_____	✓
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	✓
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		
7. Retention Time Shift Meet Criteria (if applicable).	_____	✓
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:	_____	✓
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:	_____	✓
A. Hydrocarbons: _____		
B. Gas Screens: _____		
C. Metabolic Acids: _____		

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_

  
 \_\_\_\_\_  
 Organic Manager

04-16-2007  
 \_\_\_\_\_  
 Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
METAL ANALYSIS**

Lab Case Number: E07-03440

	<u>No</u>	<u>Yes</u>
1. Calibration Summary Meet Criteria.	_____	✓ _____
2. ICP Interference Check Sample Results Meets Criteria (if applicable)	_____	✓ _____
3. Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
4. Internal Standards Meet Criteria (if applicable)	_____	✓ _____
5. Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria	_____	✓ _____
6. Blank Contamination: If yes, list compounds and concentrations in each blank:	✓ _____	_____
<hr/>		
7. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).	_____	✓ _____
8. Extraction Holding Time Met. If not, list number of days exceeded for each sample:	_____	✓ _____
<hr/>		
9. Analysis Holding Time Met. If not, list number of days exceeded for each sample:	_____	✓ _____

**Additional Comments:**

Sample(s) used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

03440-002: Trace

*H. Fakir-Jayaram*

Inorganic Manager

April 17, 2007

Date

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK**

Lab File ID: B4251.D

DFTPP Injection Date : 04/13/2007

Inst ID: MSDB

DFTPP Injection Time: 09:59

m/z	Ion Abundance Criteria	%Relative Abundance
51	30.0 - 60.0% of mass 198	38.1
68	Less than 2.0% of mass 69	0.5 ( 1.3 )1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.3 ( 0.7 )1
127	40.0 - 60.0% of mass 198	52.2
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	7.2
275	10.0 - 30.0% of mass 198	25.0
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than mass 443	11.53 ( 77.5 )3
442	40.0 - 100.0% of mass 198	75.5
443	17.0 - 23.0% of mass 442	14.9 ( 19.7 )2

1-Value is % mass 69

2-Value is % mass 442

3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
ABN043.07	20ngBNA_FOR_0	B4252.D	04/13/2007	10:15
ABN056.07	20ngOLM04_FOR	B4254.D	04/13/2007	10:46
.	Method_Blank	B4272.D	04/13/2007	15:10
.	MS	B4273.D	04/13/2007	15:26
.	MSD	B4274.D	04/13/2007	15:41
FO-TWP1	03468-001	B4275.D	04/13/2007	15:58
MW-1/3.45	03486-001	B4276.D	04/13/2007	16:14
MW-2/2.25	03486-002	B4277.D	04/13/2007	16:30
MW-3/1.50	03486-003	B4278.D	04/13/2007	16:46
MW-4/2.65	03486-004	B4279.D	04/13/2007	17:02
MW-5/2.06	03486-005	B4280.D	04/13/2007	17:19
MW-7/7.45	03486-007	B4281.D	04/13/2007	17:35
MW-8/1.45	03486-008	B4282.D	04/13/2007	17:51
MW-9/1.38	03486-009	B4283.D	04/13/2007	18:07
INFLUENT	03481-001	B4284.D	04/13/2007	18:23
KO1	03481-002	B4285.D	04/13/2007	18:39
KO2	03481-003	B4286.D	04/13/2007	18:55
HIMW-13D	03440-001	B4287.D	04/13/2007	19:12
HIMW-14I	03440-002	B4288.D	04/13/2007	19:28
POTABLE_WELL	03511-001	B4289.D	04/13/2007	19:44
FIELD_BLANK	03511-002	B4290.D	04/13/2007	20:00
M-IGW/5	03501-004	B4291.D	04/13/2007	20:16
SUMP	03540-001	B4292.D	04/13/2007	20:32



Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\04-13-07\B4252.D  
 Acq On : 13 Apr 2007 10:15  
 Sample : ABN043.07,20ngBNA\_FOR\_04/13/07  
 Misc : ,1  
 MS Integration Params: rteint.p

Vial: 97  
 Operator:  
 Inst : MSD\_B  
 Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\BW0607.M (RTE Integrator)  
 Title : BNA CALIBRATION METHOD  
 Last Update : Mon Apr 02 13:59:16 2007  
 Response via : Multiple Level Calibration

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	-0.02
2 T	N-Nitrosodimethylamine	0.732	0.762	-4.1	88	-0.02
3 T	Pyridine	0.925	0.914	1.2	81	-0.02
4 S	2-Fluorophenol	1.320	1.511	-14.5	86	-0.02
5 T	Benzaldehyde	0.903	0.840	7.0	94	-0.02
6 S	Phenol-d5	1.699	1.779	-4.7	83	-0.02
7 MC	Phenol	1.793	2.001	-11.6	104	-0.02
8 T	Aniline	0.761	0.776	-2.0	87	-0.02
9 T	Bis(2-chloroethyl) ether	0.961	0.984	-2.4	86	-0.02
10 M	2-Chlorophenol	1.349	1.433	-6.2	94	-0.02
11 T	1,3-Dichlorobenzene	1.485	1.583	-6.6	95	-0.02
12 MC	1,4-Dichlorobenzene	1.500	1.444	3.7	84	-0.02
13 T	Benzyl alcohol	0.793	0.831	-4.8	89	-0.02
14 T	1,2-Dichlorobenzene	1.434	1.378	3.9	84	-0.02
15 T	2-Methylphenol	1.237	1.189	3.9	82	-0.02
16 T	Bis(2-chloroisopropyl) ethe	1.732	1.893	-9.3	94	-0.02
17 T	4-Methylphenol	1.280	1.335	-4.3	96	-0.02
18 MP	N-Nitrosodi-n-propylamine	0.956	1.010	-5.6	94	-0.02
19 T	Acetophenone	1.710	1.774	-3.7	93	-0.02
20 T	2-Aminotoluene +4-Aminotolu	1.354	1.294	4.4	85	-0.02
21 T	Hexachloroethane	0.529	0.548	-3.6	93	-0.02
22 T	2,6-Dimethylphenol	1.142	1.151	-0.8	103	-0.02
23 I	Naphthalene-d8	1.000	1.000	0.0	86	-0.02
24 S	Nitrobenzene-d5	0.370	0.346	6.5	90	-0.02
25 T	Nitrobenzene	0.349	0.388	-11.2	96	-0.02
26 T	Isophorone	0.608	0.680	-11.8	92	-0.02
27 TC	2-Nitrophenol	0.190	0.213	-12.1	94	-0.02
28 T	2,4+2,5-Dimethylphenol	0.356	0.349	2.0	80	-0.02
29 T	Bis(2-chloroethoxy) methane	0.384	0.436	-13.5	96	-0.02
30 T	Benzoic acid	0.165	0.174	-5.5	90	-0.03
31 T	2,4-Dimethylaniline	0.184	0.188	-2.2	83	-0.02
32 TC	2,4-Dichlorophenol	0.306	0.313	-2.3	85	-0.02
33 M	1,2,4-Trichlorobenzene	0.315	0.329	-4.4	88	-0.02
34 T	Naphthalene	1.040	1.113	-7.0	88	-0.02
35 T	4-Chloroaniline	0.551	0.596	-8.2	89	-0.02
36 T	4-Aminoaniline	0.391	0.350	10.5	92	-0.02
37 TC	Hexachlorobutadiene	0.188	0.185	1.6	83	-0.02
38 T	Caprolactam	0.135	0.145	-7.4	85	-0.03
39 T	2-Aminoaniline	0.385	0.352	8.6	85	-0.03
40 MC	4-Chloro-3-methylphenol	0.302	0.338	-11.9	92	-0.02
41 T	2-Methylnaphthalene	0.697	0.710	-1.9	87	-0.02
42 T	3,5-Dimethylphenol	0.352	0.324	8.0	93	-0.02
43 I	Acenaphthene-d10	1.000	1.000	0.0	86	-0.02
44 TP	Hexachlorocyclopentadiene	0.292	0.269	7.9	79	-0.02
45 TC	2,4,6-Trichlorophenol	0.335	0.366	-9.3	93	-0.02

46	T	2,4,5-Trichlorophenol	0.368	0.397	-7.9	94	-0.02
47	S	2-Fluorobiphenyl	1.284	1.241	3.3	91	-0.02
48	T	Biphenyl	1.360	1.416	-4.1	90	-0.02
49	T	2-Chloronaphthalene	1.059	1.062	-0.3	86	-0.02
50	T	2-Nitroaniline	0.289	0.327	-13.1	92	-0.02
51	T	Dimethyl phthalate	1.235	1.262	-2.2	86	-0.02
52	T	2,6-Dinitrotoluene	0.257	0.271	-5.4	90	-0.02
53	T	Acenaphthylene	1.734	1.757	-1.3	85	-0.03
54	T	3-Nitroaniline	0.292	0.306	-4.8	85	-0.03
55	MC	Acenaphthene	1.093	1.135	-3.8	86	-0.02
56	TP	2,4-Dinitrophenol	0.204	0.226	-10.8	91	-0.02
57	MP	4-Nitrophenol	0.227	0.240	-5.7	93	-0.02
58	M	2,4-Dinitrotoluene	0.322	0.329	-2.2	84	-0.03
59	T	Dibenzofuran	1.598	1.572	1.6	82	-0.03
60	T	Diethyl phthalate	1.214	1.293	-6.5	93	-0.02
61	T	Fluorene	1.218	1.281	-5.2	92	-0.02
62	T	4-Chlorophenyl phenyl ether	0.629	0.610	3.0	83	-0.02
63	T	4-Nitroaniline	0.330	0.339	-2.7	88	-0.03
64		1,2,4,5-Tetrachlorobenzene	0.286	0.283	1.0	84	-0.02
65	T	Hydroquinone	0.741	0.745	-0.5	92	-0.03
66	I	Phenanthrene-d10	1.000	1.000	0.0	85	-0.03
67	T	4,6-Dinitro-2-methylphenol	0.102	0.104	-2.0	92	-0.02
68	TC	N-Nitrosodiphenylamine	0.482	0.495	-2.7	83	-0.02
69	T	1,2-Diphenylhydrazine	0.720	0.767	-6.5	86	-0.02
70	S	2,4,6-Tribromophenol	0.177	0.213	-20.3	94	-0.02
71	T	4-Bromophenyl phenyl ether	0.209	0.207	1.0	85	-0.02
72	T	Hexachlorobenzene	0.241	0.238	1.2	83	-0.02
73	T	Atrazine	0.175	0.171	2.3	82	-0.03
74	MC	Pentachlorophenol	0.131	0.138	-5.3	88	-0.03
75	T	Phenanthrene	0.949	0.953	-0.4	83	-0.03
76	T	Anthracene	0.982	0.990	-0.8	85	-0.03
77	T	Carbazole	0.869	0.895	-3.0	86	-0.03
78	T	Di-n-butyl phthalate	1.072	1.118	-4.3	88	-0.03
79	TC	Fluoranthene	0.906	0.926	-2.2	85	-0.04
80	T	Benzidine	0.503	0.328	34.8	75	-0.04
81		2-Picoline	0.304	0.251	17.4	87	-0.02
82	I	Chrysene-d12	1.000	1.000	0.0	80	-0.06
83	M	Pyrene	1.139	1.188	-4.3	82	-0.04
84	S	Terphenyl-d14	0.888	0.836	5.9	83	-0.04
85	T	3,3'-Dimethylbenzidine	0.528	0.426	19.3	77	-0.06
86	T	Butyl benzyl phthalate	0.470	0.516	-9.8	88	-0.06
87	T	3,3'-Dichlorobenzidine	0.317	0.316	0.3	78	-0.06
88	T	Benzo[a]anthracene	0.900	0.925	-2.8	81	-0.06
89	T	Chrysene	0.976	0.997	-2.2	80	-0.06
90	T	Bis(2-ethylhexyl) phthalate	0.637	0.680	-6.8	85	-0.05
91		3-Picoline	0.435	0.445	-2.3	98	-0.05
92	I	Perylene-d12	1.000	1.000	0.0	79	-0.04
93	TC	Di-n-octyl phthalate	1.111	1.315	-18.4	93	-0.05
94	T	Benzo[b]fluoranthene	0.808	0.991	-22.6	89	-0.05
95	T	Benzo[k]fluoranthene	1.122	1.062	5.3	71	-0.05
96	TC	Benzo[a]pyrene	0.799	0.865	-8.3	84	-0.05
97	T	Indeno [1,2,3-cd]pyrene	0.839	0.881	-5.0	85	-0.06
98	T	Dibenz [a,h]anthracene	0.707	0.638	9.8	73	-0.05
99	T	Benzo[g,h,i]perylene	0.762	0.713	6.4	75	-0.06

(#) = Out of Range

B3880.D BW0607.M

SPCC's out = 0 CCC's out = 0

Fri Apr 13 10:37:59 2007 MSD\_B

**CHAIN OF CUSTODY**

**REPORTING INFO**

REPORT TO: Mike Akerbergs  
 Address: Michael - akerbergs @  
WRS Corp. COM  
 Attn: WRS Corp. COM  
 FAX #  
 INVOICE TO: Mike Akerbergs  
 Address:

**REPORTING INFO**

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)  
 Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT  
 GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO  
 ACCOMMODATE\*\*  
 Conditional TPHC  
 24 hr\* 48 hr 72 hr NA  
 Verbal/Fax EMAIL 2 wk/Std  
 24 hr\* 48 hr\* 72 hr\* 1 wk\*  
3 wk/Std  
 2 wk\* call for price

Report Format  
 Results Only  
 Reduced  
 Regulatory  
 Other (describe)  
CAT. A  
 SRP. dbf format  
 SRP. wk1 format  
 Lab approved custom  
 EDD  
 NO DISK/CD REQ'D

Rush TAT Charge\*\*  
 24 hr - 100% ...  
 48 hr - 75% ...  
 72 hr - 50% ...  
 96 hr - 35% ...  
 5 day - 25% ...  
 6-9 day 10%

**ANALYTICAL PARAMETERS**

Client ID	Date	Sampling Time	Matrix	# container	IAL #	HC1	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
HIMW-60D	04/11/07	1243	AQ	4	1	X							
HIMW-7I		1120		4	2	X							
TB041107				2	3	X							
20070411-FD-1		1435		4	4	X							
HIMW-7D		1930		4	5	X							
HIMW-6I		1455		4	6	X							

Cooler Temp 4 °C

**# BOTTLES & PRESERVATIVES**

HC1	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
2							
2							
2							
2							
2							
2							

Conc. Expected: Low (Med) High

Known Hazard: Yes (No) Describe:  
 Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)  
 ambiguities have been resolved.

Relinquished by:	Signature/Company	Date	Time	Received by:	Signature/Company
	<u>Michael Akerbergs</u>	<u>04/11/07</u>	<u>1500</u>		
	<u>Ray Morgan</u>	<u>4/11/07</u>	<u>1700</u>		

Comments: Lab to filter METALS A.L.

Lab Case #

2571

PAGE: 1 of 1



# Sample Summary

*IAL Case No.*

**E07-03541**

*Client* URS Corporation - Wayne

*Project* KEYSPAN - HEMPSTEAD

*Received On* 4/11/2007@17:00

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
03541-001	HIMW-6D	n/a	4/11/2007@12:42	Aqueous	4
03541-002	HIMW-7I	n/a	4/11/2007@11:20	Aqueous	4
03541-003	TB041107	n/a	4/11/2007	Aqueous	2
03541-004	20070411-FD-1	n/a	4/11/2007@14:35	Aqueous	4
03541-005	HIMW-7D	n/a	4/11/2007@14:30	Aqueous	4
03541-006	HIMW-6I	n/a	4/11/2007@14:55	Aqueous	4

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 3541

	<u>No</u>	<u>Yes</u>	
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	_____ ✓	
2. GC/MS Tuning Specifications: a. BFB Passed	_____	_____ ✓	
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	_____ ✓	
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	_____ ✓	
5. GC/MS Calibration Requirements: a. Calibration Check Compounds	_____	_____ na	
b. System Performance Check Compounds	_____	_____ na	
6. Blank Contamination - If yes, list compounds and concentrations in each blank: _____	_____ ✓	_____ _____	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) _____	_____	_____ ✓	
If not met, were the calculations checked and the results qualified as "estimated"?	_____	_____ na	
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) _____	_____	_____ na	
9. Internal Standard Area/Retention Time Shift meet criteria	_____	_____ ✓	
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample: _____	_____	_____ na	
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample: _____	_____	_____ ✓	
12. Sample Dilution Performed	_____		
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
[ ]	[ ]	[ ]	[ ]

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Organics Manager

\_\_\_\_\_  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03541

	No	Yes								
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓								
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓								
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓								
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓								
5. GC/MS Calibration Requirements: a. Calibration Check Compounds b. System Performance Check Compounds		✓ ✓								
6. Blank Contamination - If yes, list compounds and concentrations in each blank: a. B/N Fraction _____ b. Acid Fraction _____	✓									
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____ If not met, were the calculations checked and the results qualified as "estimated"?		✓  na								
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____		✓								
9. Internal Standard Area/Retention Time Shift meet criteria		✓								
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample: _____ _____		✓								
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample: _____ _____		✓								
12. Sample Dilution Performed	✓									
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">High Target Compounds</td> <td style="width: 25%; text-align: center;">High Nontarget Compounds</td> <td style="width: 25%; text-align: center;">Matrix Interference</td> <td style="width: 25%; text-align: center;">Other</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; height: 20px;"></td> <td style="text-align: center; border: 1px solid black; height: 20px;"></td> <td style="text-align: center; border: 1px solid black; height: 20px;"></td> <td style="text-align: center; border: 1px solid black; height: 20px;"></td> </tr> </table>	High Target Compounds	High Nontarget Compounds	Matrix Interference	Other						
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other							

13. Comments:

\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

4-16-07  
Date



**CUSTOMER**

Company: URS Corp.  
Address: 201 Willowbrook Blvd  
WAWA, NJ 07474  
Telephone #: 973-785-0700  
Fax #: 973-785-0023  
Project Manager: MIKE AKERS  
Sampler: KHAL B.B. IT  
Project Name: HEUSARS-Hempstead  
Project Location (State): New York  
Bottle Order #:  
Quote #:

**REPORTING INFO**

REPORT TO: MIKE AKERS  
Address: MICHAEL AKERS  
Attn: MIKE AKERS  
FAX #  
INVOICE TO: URS  
Address: MIKE AKERS  
Attn:  
PO #

**SAMPLE INFORMATION**

Client ID	Depth	Sample Matrix		IAL #
		Date	Time	
HIMW-19E	NA	4/12/07	1140	4
HIMW-51D	NA	4/12/07	1240	4
HIMW-13S	NA	4/12/07	1415	4
HIMW-5S	NA	4/12/07	1430	4
TBO41207	NA	4/12/07		2

DW - Drinking Water AQ - Aqueous WW - Waste Water  
OI - Oil LIO - Liquid (Specify) OT - Other (Specify)  
S - Soil SL - Sludge SOL - Solid W - Wipe

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)  
Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*

Results needed by:  
24 hr\* 48 hr 72 hr NA  
Verbal/Fax Etc (A) (2 wk/Std)  
24 hr\* 48 hr\* 72 hr\* 1 wk\*  
Hard Copy (3 wk/Std)  
2 wk\* call for price

Rush TAT Charge\*\*  
24 hr - 100% ...  
48 hr - 75% ...  
72 hr - 50% ...  
96 hr - 35% ...  
5 day - 25% ...  
6-9 day 10%

Report Format  
Results Only  
Reduced  
Regulatory  
Other (describe)  
CATA

DISKETTE  
SRP, dbf format  
SRP, .wki format  
lab approved custom  
EDD  
NO DISK/CD REQ'D

Cooler Temp 4 °C

**ANALYTICAL PARAMETERS**

Conc. Expected:	Low	Med	High
# BOTTLES & PRESERVATIVES			
HC	X		
NaOH			
HNO3			
H2SO4			
MeOH			
Other			
None			
Encore			

Known Hazard: Yes (No) Describe:  
Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)  
ambiguities have been resolved.

Signature/Company	Date	Time	Signature/Company
Received by: <u>Wendy DeB</u>	4/12/07	1445	Received by: <u>Mike Akers</u>
Received by: <u>Ray Meyer</u>	4/12/07	1630	Received by: <u>Mike Akers</u>
Received by:			Received by:
Received by:			Received by:
Received by:			Received by:

Lab Case #  
3572

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 3572

	No	Yes								
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓								
2. GC/MS Tuning Specifications: a. BFB Passed		✓								
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓								
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓								
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		na								
b. System Performance Check Compounds		na								
6. Blank Contamination - If yes, list compounds and concentrations in each blank: <hr/>	✓									
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) <hr/>		✓								
If not met, were the calculations checked and the results qualified as "estimated"?		na								
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) <hr/>		na								
9. Internal Standard Area/Retention Time Shift meet criteria		✓								
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample: <hr/>		na								
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample: <hr/>		✓								
12. Sample Dilution Performed	✓									
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 25%;">High Target Compounds</td> <td style="text-align: center; width: 25%;">High Nontarget Compounds</td> <td style="text-align: center; width: 25%;">Matrix Interference</td> <td style="text-align: center; width: 25%;">Other</td> </tr> <tr> <td style="text-align: center; border: 1px solid black; height: 20px;"> </td> <td style="text-align: center; border: 1px solid black; height: 20px;"> </td> <td style="text-align: center; border: 1px solid black; height: 20px;"> </td> <td style="text-align: center; border: 1px solid black; height: 20px;"> </td> </tr> </table>	High Target Compounds	High Nontarget Compounds	Matrix Interference	Other						
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other							

13. Comments:  

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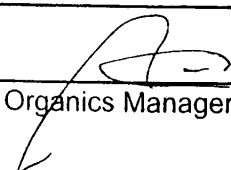
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Organics Manager

4/17/07  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03572

	<u>No</u>	<u>Yes</u>	
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓ _____	
2. GC/MS Tuning Specifications: a. DFTPP Passed	_____	✓ _____	
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.	_____	✓ _____	
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.	_____	✓ _____	
5. GC/MS Calibration Requirements: a. Calibration Check Compounds	_____	✓ _____	
b. System Performance Check Compounds	_____	✓ _____	
6. Blank Contamination - If yes, list compounds and concentrations in each blank: a. B/N Fraction _____	✓ _____	_____	
b. Acid Fraction _____	_____	_____	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) a. B/N Fraction _____	_____	✓ _____	
b. Acid Fraction _____	_____	_____	
If not met, were the calculations checked and the results qualified as "estimated"?	_____	na _____	
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) a. B/N Fraction _____	_____	✓ _____	
b. Acid Fraction _____	_____	_____	
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____	
10. Extraction Holding Time Met	_____	✓ _____	
If not met, list number of days exceeded for each sample: _____ _____	_____	_____	
11. Analysis Holding Time Met	_____	✓ _____	
If not met, list number of days exceeded for each sample: _____ _____	_____	_____	
12. Sample Dilution Performed	✓ _____	_____	
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
[ ]	[ ]	[ ]	[ ]

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Organics Manager

4-17-07  
\_\_\_\_\_  
Date

CHAIN OF CUSTODY

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*

Conditional TPHC		Report Format	DISKETTE
24 hr*	48 hr	Results Only	SRP. dbf format
Verbal/Fax	72 hr NA	Reduced	SRP. wk1 format
24 hr*	2 wk/Std	Regulatory	lab approved custom EDD
48 hr*	72 hr*	Other (describe)	NO DISK/CD REQ'D
Hard Copy	3 wk/Std		
2 wk* call for price			

ANALYTICAL PARAMETERS

3 BTEX	ROH	Total	Distillation	Discolor	Methane	White/Noxide	Diffuse	Distilled/Co2	Alkalinity	Total Hardness	Rate Constant	Encore
X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X

Cooler Temp 4 °C

# BOTTLES & PRESERVATIVES

Conc. Expected: Low Med High

Known Hazard: Yes or No Describe: Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS) ambiguities have been resolved.

REPORTING INFO

REPORT TO: Mike Akersberg  
 Address: Michael Akersberg Corp.  
 Attn: COM  
 FAX #  
 INVOICE TO: Mike Akersberg  
 Address:  
 Attn:  
 PO #

CUSTOMER

Company: URS Corporation  
 Address: 201 Willowbrook Blvd.  
 Telephone #: WAYNE, NJ 07474  
 Fax #: 973-785-0700  
 Project Manager: Mike Akersberg  
 Sampler: H. T. B. B. AL  
 Project Name: KeySpan Interceptor  
 Project Location (State): NY  
 Bottle Order #:  
 Quote #:

SAMPLE INFORMATION

Client ID	Depth	Sample Matrix		Matrix	# container	IAL #
		Date	Time			
HIMW-1D		4/13/07	1000	AQ	4	1
HIMW-10-MS		4/13/07	1000	AQ	4	2
HIMW-1D-MSD		4/13/07	1000	AQ	4	3
HIMW-05I		4/13/07	1005	AQ	4	4
HIMW-14D		4/13/07	1320	AQ	10	5
HIMW-18D		4/13/07	1315	AQ	10	6
HIMW-1804307		4/13/07		AQ	2	7

Relinquished by:	Signature/Company	Date	Time	Signature/Company	Received by:
Kory Jolley		4/13/07	1425	Mike Akersberg	
Mike Akersberg		4/13/07	1630		

Lab Case #

3638

PAGE: 2 of 1



**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 3638

	<u>No</u>	<u>Yes</u>	
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	_____ ✓	
2. GC/MS Tuning Specifications: a. BFB Passed	_____	_____ ✓	
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	_____ ✓	
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	_____ ✓	
5. GC/MS Calibration Requirements: a. Calibration Check Compounds	_____	_____ na	
b. System Performance Check Compounds	_____	_____ na	
6. Blank Contamination - If yes, list compounds and concentrations in each blank: _____	_____ ✓	_____	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) _____	_____	_____ ✓	
If not met, were the calculations checked and the results qualified as "estimated"?	_____	_____ na	
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) _____	_____	_____ na	
9. Internal Standard Area/Retention Time Shift meet criteria	_____	_____ ✓	
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample: _____	_____	_____ na	
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample: _____	_____	_____ ✓	
12. Sample Dilution Performed	_____	_____	
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

4/18/07  
Date

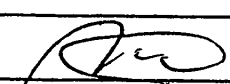


**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03638

	<u>No</u>	<u>Yes</u>								
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓ _____								
2. GC/MS Tuning Specifications: a. DFTPP Passed	_____	✓ _____								
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.	_____	✓ _____								
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.	_____	✓ _____								
5. GC/MS Calibration Requirements: a. Calibration Check Compounds b. System Performance Check Compounds	_____	✓ ✓ _____								
6. Blank Contamination - If yes, list compounds and concentrations in each blank: a. B/N Fraction _____ b. Acid Fraction _____	✓ _____	_____								
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____ If not met, were the calculations checked and the results qualified as "estimated"?	_____	✓ _____								
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____	_____	na ✓ _____								
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____								
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample: _____ _____	_____	✓ _____								
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample: _____ _____	_____	✓ _____								
12. Sample Dilution Performed	_____	✓ _____								
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 25%;">High Target Compounds</td> <td style="text-align: center; width: 25%;">High Nontarget Compounds</td> <td style="text-align: center; width: 25%;">Matrix Interference</td> <td style="text-align: center; width: 25%;">Other</td> </tr> <tr> <td style="text-align: center;">✓ [ ]</td> <td style="text-align: center;">[ ]</td> <td style="text-align: center;">[ ]</td> <td style="text-align: center;">[ ]</td> </tr> </table>	High Target Compounds	High Nontarget Compounds	Matrix Interference	Other	✓ [ ]	[ ]	[ ]	[ ]		
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other							
✓ [ ]	[ ]	[ ]	[ ]							

13. Comments:

  
 \_\_\_\_\_  
 Organics Manager

4/18/07  
 \_\_\_\_\_  
 Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC ANALYSIS - Miscellaneous**

**Including Hydrocarbons, Metabolic Acids, and Gas Screens**

Lab Case Number: E07 - 03638

- |   | <u>No</u> | <u>Yes</u> |
|---|-----------|------------|
| 1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).  | _____     | <u>✓</u>   |
| 2. Standards Summary submitted.   | _____     | <u>✓</u>   |
| 3. Calibration - Initial calibration performed within 30 days prior to sample analysis and continuing calibration performed within 24 hrs of the sample analysis. | _____     | <u>✓</u>   |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:   | <u>✓</u>  | _____      |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 5. Surrogate Recoveries meet criteria (if applicable).<br>If not met, list those compounds and their recoveries which fall outside the acceptable range:          | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range):   | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 7. Retention Time Shift Meet Criteria (if applicable).  | _____     | <u>✓</u>   |
| 8. Extraction Holding Time Met.<br>If not met, list number of days exceeded for each sample:  | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 9. Analysis Holding Time Met.<br>If not met, list number of days exceeded for each sample:  | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |

Comments:

\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Organic Manager

04-16-2007  
\_\_\_\_\_  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
METAL ANALYSIS**

Lab Case Number:   E07-03638  

	<u>No</u>	<u>Yes</u>
1. Calibration Summary Meet Criteria.	<u>          </u>	<u>  ✓  </u>
2. ICP Interference Check Sample Results Meets Criteria (if applicable)	<u>          </u>	<u>  ✓  </u>
3. Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria	<u>          </u>	<u>  ✓  </u>
4. Internal Standards Meet Criteria (if applicable)	<u>          </u>	<u>  ✓  </u>
5. Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria	<u>          </u>	<u>  ✓  </u>
6. Blank Contamination: If yes, list compounds and concentrations in each blank: <hr/>	<u>  ✓  </u>	<u>          </u>
7. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range). <hr/>	<u>          </u>	<u>  ✓  </u>
8. Extraction Holding Time Met. If not, list number of days exceeded for each sample: <hr/>	<u>          </u>	<u>  ✓  </u>
9. Analysis Holding Time Met. If not, list number of days exceeded for each sample: <hr/>	<u>          </u>	<u>  ✓  </u>

**Additional Comments:**

Sample(s) used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

03638-005: 0.2%, 03638-006: 0.2%

*H. Fakir-Jayaram*  
\_\_\_\_\_  
Inorganic Manager

April 17, 2007  
\_\_\_\_\_  
Date



CHAIN OF CUSTODY

REPORTING INFO

REPORT TO: MIKE AKERBERG  
 Address: Michael Akerberg  
 Attn: URS CORP  
 Address: 201 WILLOW BROOK BLVD  
 Wayne, NJ 07474  
 Telephone #: 973-785-0700  
 Fax #: 973-785-0023  
 Project Manager: MIKE AKERBERG  
 Sampler: TT / IM / HBS / AL  
 Project Name: KEYSPAN HEMSTEAD  
 Project Location (State): NJ  
 Bottle Order #:  
 Quote #:

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)  
 Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*  
 Conditional TPHC  
 24 hr\* 48 hr 72 hr NA  
 Verbal/Fax 2 wk/Std  
 24 hr\* 48 hr\* 72 hr 1 wk\*  
 Hard Copy 3 wk/Std  
 2 wk\* call for price

Results needed by:  
 Rush TAT Charge\*\*  
 24 hr - 100% ...  
 48 hr - 75% ...  
 72 hr - 50% ...  
 96 hr - 35% ...  
 5 day - 25% ...  
 6-9 day 10%  
 Report Format  
 Results Only  
 Reduced  
 Regulatory  
 Other (describe)  
 CAT.A  
 DISKETTE  
 SRP, dbf format  
 SRP, wk1 format  
 lab approved custom EDD  
 NO DISK/CD REQ'D

ANALYTICAL PARAMETERS  
 Cooler Temp 3 °C  
 # BOTTLES & PRESERVATIVES

Client ID	Depth	Date	Time	Matrix	# container	IAL #	HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
HIMW-02 I		4-16-07	1110	AQ	4	1	X							
HIMW-02 D		4-16-07	1210	AQ	4	2	X							
HIMW-1 I I I		4-16-07	1430	AQ	4	3	X							
HIMW-1 I I D		4-16-07	1438	AQ	4	4	X							
TB-041607		4-16-07	-	AQ	2	5	X							
HIMW-08 S		4-17-07	1005	AQ	2	6	X							
HIMW-08 S		4-17-07	1200	AQ	4	7	X							
HIMW-11 S		4-17-07	1230	AQ	1	8	X							

Conc. Expected: (Low) Med High  
 Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)  
 ambiguities have been resolved.

Signature/Company  
 Relinquished by: Tommy Trabucco 4/17/07 1445  
 Relinquished by: Randy Mingo 4/17/07 1200  
 Relinquished by:  
 Relinquished by:  
 Relinquished by:  
 Relinquished by:  
 Lab Case # 3228  
 Comments:  
 PAGE: 1 of 1

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 03128

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓ _____
2. GC/MS Tuning Specifications: a. BFB Passed	_____	✓ _____
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	✓ _____
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	✓ _____
5. GC/MS Calibration Requirements: a. Calibration Check Compounds	_____	na _____
b. System Performance Check Compounds	_____	na _____
6. Blank Contamination - If yes, list compounds and concentrations in each blank: _____	✓ _____	_____
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) _____	_____	✓ _____
If not met, were the calculations checked and the results qualified as "estimated"?	_____	na _____
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) _____	_____	na _____
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample: _____	_____	na _____
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample: _____	_____	✓ _____
12. Sample Dilution Performed	/	
High Target Compounds	High Nontarget Compounds	Matrix Interference
[ ]	[ ]	[ ]
Other		
[ ]		

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

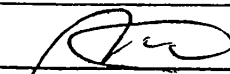
7/27/07  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03728

	<u>No</u>	<u>Yes</u>								
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓ _____								
2. GC/MS Tuning Specifications: a. DFTPP Passed	_____	✓ _____								
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.	_____	✓ _____								
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.	_____	✓ _____								
5. GC/MS Calibration Requirements: a. Calibration Check Compounds b. System Performance Check Compounds	_____	✓ ✓ _____								
6. Blank Contamination - If yes, list compounds and concentrations in each blank: a. B/N Fraction _____ b. Acid Fraction _____	✓ _____	_____								
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____ If not met, were the calculations checked and the results qualified as "estimated"?	_____	✓ _____								
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____	_____	na ✓ _____								
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____								
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample: _____ _____	_____	✓ _____								
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample: _____ _____	_____	✓ _____								
12. Sample Dilution Performed	✓ _____	_____								
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 25%;">High Target Compounds</td> <td style="text-align: center; width: 25%;">High Nontarget Compounds</td> <td style="text-align: center; width: 25%;">Matrix Interference</td> <td style="text-align: center; width: 25%;">Other</td> </tr> <tr> <td style="text-align: center;">[ ]</td> <td style="text-align: center;">[ ]</td> <td style="text-align: center;">[ ]</td> <td style="text-align: center;">[ ]</td> </tr> </table>	High Target Compounds	High Nontarget Compounds	Matrix Interference	Other	[ ]	[ ]	[ ]	[ ]		
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other							
[ ]	[ ]	[ ]	[ ]							

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

4/20/06  
Date

**CUSTOMER**

Company: IARS Corporation  
Address: 201 Willowbrook Blvd  
Wayne NJ 07474  
Telephone #: 973-785-0700  
Fax #: 973-785-0023  
Project Manager: Mike Akerbergs  
Sampler: KH/AL/IM/LM

Project Name:  
Project Location (State):  
Bottle Order #:  
Quote #:

**REPORTING INFO**

REPORT TO: Mike Akerbergs  
Address: Michael - akerbergs@iarscorp.com  
Attn:  
FAX #  
INVOICE TO: Mike Akerbergs  
Address:  
Attn:  
PO #

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)  
Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*

Conditional TPHC  
24 hr\* 48 hr 72 hr NA  
Verbal/Fax/EMAIL 2 wk/Sid  
24 hr\* 48 hr\* 72 hr\* 1 wk\*  
Hard Copy 3 wk/Sid  
2 wk\* call for price

Rush TAT Charge\*\*  
24 hr - 100%...  
48 hr - 75%...  
72 hr - 50%...  
96 day - 35%...  
5 day - 25%...  
6-9 day 10%

Results needed by:  
Report Format: Results Only  
Reduced  
Regulatory  
Other (describe)  
CAT. A

SRP. dhf format  
SRP. wkl format  
lab approved custom EDD  
NO DISK/CD REQ'D

**SAMPLE INFORMATION**

Client ID	Depth	Sampling		Matrix	# container	IAL #
		Date	Time			
HIMW-15I	NA	09/18/07	1140	AQ	10	1
HIMW-15I-MS			1140		10	2
HIMW-15I-MSD			1140		10	3
HIMW-15D			1237		10	4
FB041807			1300		10	5
TB041807					2	6

Sample Matrix  
DW - Drinking Water AQ - Aqueous WW - Waste Water  
O1 - Oil LIQ - Liquid (Specify) OT - Other (Specify)  
S - Soil SL - Sludge SOL - Solid W - Wipe

**ANALYTICAL PARAMETERS**

Parameter	1	2	3	4	5	6
BTEX	X	X	X	X	X	X
FAH	X	X	X	X	X	X
Nitrite/ Nitrate	X	X	X	X	X	X
dissolved methane	X	X	X	X	X	X
total/dissolved Iron	X	X	X	X	X	X
sulfate	X	X	X	X	X	X
dissolved O2	X	X	X	X	X	X
alkalinity	X	X	X	X	X	X
total plate count	X	X	X	X	X	X

# BOTTLES & PRESERVATIVES

NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
1	1	1	2	5	5	5
1	1	1	2	5	5	5
1	1	1	2	5	5	5
1	1	1	2	5	5	5
1	1	1	2	5	5	5

Cooler Temp \_\_\_\_\_ °C

Known Hazard: Yes or (No) Describe:

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)

ambiguities have been resolved.

Signature/Company	Date	Time	Signature/Company
Ampha Judgement	09/19/07	1400	AK
AK	9/18/07	1545	AK

Relinquished by:  
Relinquished by:  
Relinquished by:  
Relinquished by:  
Relinquished by:

Received by:  
Received by:  
Received by:  
Received by:  
Received by:

Comments: Metals must be Lab-filtered

Lab Case # 3744

PAGE: ( of )



**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 03744

	No	Yes	
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓ _____	
2. GC/MS Tuning Specifications:			
a. BFB Passed	_____	✓ _____	
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	✓ _____	
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	✓ _____	
5. GC/MS Calibration Requirements:			
a. Calibration Check Compounds	_____	na _____	
b. System Performance Check Compounds	_____	na _____	
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	_____	_____	
_____	✓	_____	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	✓ _____	
_____			
If not met, were the calculations checked and the results qualified as "estimated"?	_____	na _____	
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	na _____	
_____			
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____	
10. Extraction Holding Time Met	_____	na _____	
If not met, list number of days exceeded for each sample:			
_____			
_____			
11. Analysis Holding Time Met	_____	✓ _____	
If not met, list number of days exceeded for each sample:			
_____			
_____			
12. Sample Dilution Performed			
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
[ ]	[ ]	[ ]	[ ]

13. Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Organics Manager

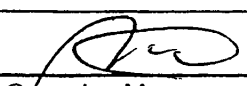
4/30/07  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 03744

	<u>No</u>	<u>Yes</u>	
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	✓ _____	
2. GC/MS Tuning Specifications:	_____	✓ _____	
a. DFTPP Passed	_____	✓ _____	
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.	_____	✓ _____	
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.	_____	✓ _____	
5. GC/MS Calibration Requirements:			
a. Calibration Check Compounds	_____	✓ _____	
b. System Performance Check Compounds	_____	✓ _____	
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓ _____	_____	
a. B/N Fraction _____			
b. Acid Fraction _____			
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	✓ _____	
a. B/N Fraction _____			
b. Acid Fraction _____			
If not met, were the calculations checked and the results qualified as "estimated"?	_____	na _____	
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	✓ _____	
a. B/N Fraction _____			
b. Acid Fraction _____			
9. Internal Standard Area/Retention Time Shift meet criteria	_____	✓ _____	
10. Extraction Holding Time Met	_____	✓ _____	
If not met, list number of days exceeded for each sample:			
_____			
_____			
11. Analysis Holding Time Met	_____	✓ _____	
If not met, list number of days exceeded for each sample:			
_____			
_____			
12. Sample Dilution Performed	✓ _____	_____	
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
[ ]	[ ]	[ ]	[ ]

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Organics Manager

4-23-07  
\_\_\_\_\_  
Date



INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC ANALYSIS - Miscellaneous

Including Hydrocarbons, Metabolic Acids, and Gas Screens

Lab Case Number: E07 - 03744

- |   | <u>No</u> | <u>Yes</u> |
|---|-----------|------------|
| 1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).  | _____     | <u>✓</u>   |
| 2. Standards Summary submitted.   | _____     | <u>✓</u>   |
| 3. Calibration - Initial calibration performed within 30 days prior to sample analysis and continuing calibration performed within 24 hrs of the sample analysis. | _____     | <u>✓</u>   |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:   | <u>✓</u>  | _____      |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 5. Surrogate Recoveries meet criteria (if applicable).<br>If not met, list those compounds and their recoveries which fall outside the acceptable range:          | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range):   | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 7. Retention Time Shift Meet Criteria (if applicable).  | _____     | <u>✓</u>   |
| 8. Extraction Holding Time Met.<br>If not met, list number of days exceeded for each sample:  | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |
| 9. Analysis Holding Time Met.<br>If not met, list number of days exceeded for each sample:  | _____     | <u>✓</u>   |
| A. Hydrocarbons: _____  |           |            |
| B. Gas Screens: _____   |           |            |
| C. Metabolic Acids: _____   |           |            |

Comments:  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Organic Manager

04-30-2007  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
METAL ANALYSIS**

Lab Case Number:   E07-03744  

	<u>No</u>	<u>Yes</u>
1. Calibration Summary Meet Criteria.	_____	_____✓
2. ICP Interference Check Sample Results Meets Criteria (if applicable)	_____	_____✓
3. Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria	_____	_____✓
4. Internal Standards Meet Criteria (if applicable)	_____	_____✓
5. Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria	_____	_____✓
6. Blank Contamination: If yes, list compounds and concentrations in each blank:	_____✓	_____
<hr/>		
7. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).	_____	_____✓
8. Extraction Holding Time Met. If not, list number of days exceeded for each sample:	_____	_____✓
<hr/>		
9. Analysis Holding Time Met. If not, list number of days exceeded for each sample:	_____	_____✓

**Additional Comments:**

Sample(s) used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

03744-004: Trace

*H. Falek-Peyman*

Inorganic Manager

April 24, 2007

Date



**CHAIN OF CUSTODY**

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE\*\*

**REPORTING INFO**

REPORT TO: MIKE AKERBERG

Address: EMERSON, MIKE AKERBERG  
6550 W. 10th St  
 Atn: MIKE AKERBERG  
 FAX # 973-785-0700  
 INVOICE TO: MIKE AKERBERG  
 Address: EMERSON, MIKE AKERBERG

**CUSTOMER**

Company: URS CORPORATION  
 Address: 201 Willowbrook Blvd  
Wayne, NJ 07724  
 Telephone #: 973-785-0700  
 Fax #: 973-785-0023  
 Project Manager: MIKE AKERBERG  
 Sampler: XH, SC  
 Project Name: KeySpan  
 Project Location (State): NJ  
 Bottle Order #:  
 Quote #:

PO #  
 Atn:  
 Address:

**SAMPLE INFORMATION**

Client ID	Date	Sampling Time	Depth	Sample Matrix		IAL #
				#	containers	
<u>HTMN-18T</u>	<u>5/2/02</u>	<u>0935</u>	<u>AQ</u>	<u>10</u>	<u>1</u>	<u>1</u>
<u>FR050203</u>	<u>5/2/02</u>	<u>1000</u>	<u>AQ</u>	<u>11</u>	<u>2</u>	<u>2</u>
<u>TB350202</u>			<u>AQ</u>	<u>2</u>	<u>1</u>	<u>1</u>

Known Hazard: Yes or (No) Describe:

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any MDL Req: Old GWQS - 11/05 GWQS - SCC - OTHER (SEE COMMENTS)

Signature/Company	Date	Time	Signature/Company
<u>[Signature]</u>	<u>5/2/02</u>	<u>1218</u>	<u>[Signature]</u>
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Results needed by:  
 24 hr\* 48 hr 72 hr NA  
 Verbal/Fax/EMail 2 wk/Std  
 24 hr\* 48 hr\* 72 hr\* 1 wk\*  
 Hard Copy 3 wk/Std  
 2 wk\* call for price

Rush TAT Charge\*\*  
 24 hr - 100%  
 48 hr - 75%  
 72 hr - 50%  
 96 hr - 35%  
 5 day - 25%  
 6-9 day 10%

**ANALYTICAL PARAMETERS**

Parameter	24 hr*	48 hr*	72 hr*	NA
<u>BTEX</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>PAH</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Nitrate</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Nitrite</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Disolved</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Methane</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Total Iron</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Sulfate</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Disolved CO2</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Total Alkalinity</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>Heaterphic +</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

# BOTTLES & PRESERVATIVES

HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>

Cooler Temp 3 °C

Conc. Expected: Low Med High

Lab Case #

4271


PAGE: 1 of 1

INTEGRATED ANALYTICAL LABORATORIES  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC/MS VOLATILE ANALYSIS**

Lab Case Number: E07 - 7271

	<u>No</u>	<u>Yes</u>
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	_____✓
2. GC/MS Tuning Specifications:		
a. BFB Passed	_____	_____✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.	_____	_____✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series	_____	_____✓
5. GC/MS Calibration Requirements:		
a. Calibration Check Compounds	_____	_____na
b. System Performance Check Compounds	_____	_____na
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	_____✓	_____
_____		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	_____✓
_____		
If not met, were the calculations checked and the results qualified as "estimated"?	_____	_____na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	_____na
_____		
9. Internal Standard Area/Retention Time Shift meet criteria	_____	_____✓
10. Extraction Holding Time Met	_____	_____na
If not met, list number of days exceeded for each sample:		
_____		
_____		
11. Analysis Holding Time Met	_____	_____✓
If not met, list number of days exceeded for each sample:		
_____		
_____		
12. Sample Dilution Performed		
High Target Compounds	High Nontarget Compounds	Matrix Interference
[ ]	[ ]	[ ]
		Other
		[ ]

13. Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

  
 \_\_\_\_\_  
 Organics Manager

5/19/07  
 \_\_\_\_\_  
 Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC/MS SEMIVOLATILE ANALYSIS**

Lab Case Number: E07 - 4271

	<u>No</u>	<u>Yes</u>	
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	_____	_____ ✓	
2. GC/MS Tuning Specifications:	_____	_____ ✓	
a. DFTPP Passed	_____	_____	
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.	_____	_____ ✓	
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.	_____	_____ ✓	
5. GC/MS Calibration Requirements:			
a. Calibration Check Compounds	_____	_____ ✓	
b. System Performance Check Compounds	_____	_____ ✓	
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	_____	_____	
a. B/N Fraction	_____ ✓	_____	
b. Acid Fraction	_____	_____	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)	_____	_____ ✓	
a. B/N Fraction	_____	_____	
b. Acid Fraction	_____	_____	
If not met, were the calculations checked and the results qualified as "estimated"?	_____	_____ na	
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	_____	_____ ✓	
a. B/N Fraction	_____	_____	
b. Acid Fraction	_____	_____	
9. Internal Standard Area/Retention Time Shift meet criteria	_____	_____ ✓	
10. Extraction Holding Time Met	_____	_____ ✓	
If not met, list number of days exceeded for each sample:	_____	_____	
_____			
11. Analysis Holding Time Met	_____	_____ ✓	
If not met, list number of days exceeded for each sample:	_____	_____	
_____			
12. Sample Dilution Performed	_____	_____ ✓	
High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. Comments:  
\_\_\_\_\_  
\_\_\_\_\_

  
Organics Manager

5/09/07  
Date

**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - Miscellaneous**  
**Including Hydrocarbons, Metabolic Acids, and Gas Screens**

Lab Case Number: E07 - 04671

- |   | No | Yes |
|---|----|-----|
| 1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).  |    | ✓   |
| 2. Standards Summary submitted.   |    | ✓   |
| 3. Calibration - Initial calibration performed within 30 days prior to sample analysis and continuing calibration performed within 24 hrs of the sample analysis. |    | ✓   |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:   | ✓  |     |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 5. Surrogate Recoveries meet criteria (if applicable).<br>If not met, list those compounds and their recoveries which fall outside the acceptable range:          |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)    |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 7. Retention Time Shift Meet Criteria (if applicable).  |    | ✓   |
| 8. Extraction Holding Time Met.<br>If not met, list number of days exceeded for each sample:  |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |
| 9. Analysis Holding Time Met.<br>If not met, list number of days exceeded for each sample:  |    | ✓   |
| A. Hydrocarbons: _____  |    |     |
| B. Gas Screens: _____   |    |     |
| C. Metabolic Acids: _____   |    |     |

Comments:

\_\_\_\_\_  
 \_\_\_\_\_

  
 \_\_\_\_\_  
 Organic Manager

05-10-2007  
 \_\_\_\_\_  
 Date



**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
METAL ANALYSIS**

Lab Case Number:   E07-04271  

	<u>No</u>	<u>Yes</u>
1. Calibration Summary Meet Criteria.	_____	✓
2. ICP Interference Check Sample Results Meets Criteria (if applicable)	_____	✓
3. Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria	_____	✓
4. Internal Standards Meet Criteria (if applicable)	_____	✓
5. Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria	_____	✓
6. Blank Contamination: If yes, list compounds and concentrations in each blank: _____ _____	✓	_____
7. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range). _____	_____	✓
8. Extraction Holding Time Met. If not, list number of days exceeded for each sample: _____ _____	_____	✓
9. Analysis Holding Time Met. If not, list number of days exceeded for each sample: _____ _____	_____	✓

Additional Comments:  
\_\_\_\_\_  
\_\_\_\_\_

*H. Falek-Payman*

\_\_\_\_\_  
Inorganic Manager

\_\_\_\_\_  
May 7, 2007

Date

**ATTACHMENT B**  
**DATA USABILITY SUMMARY REPORT**  
**THIRD QUARTER 2007**

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

**Analyses Performed by:**  
**H2M LABORATORIES, INC.**

**Prepared For:**  
**KEYSPAN CORPORATION**  
**175 EAST OLD COUNTRY RD.**  
**HICKSVILLE, NY 11801**

**Prepared by:**  
**URS CORPORATION**  
**77 GOODELL STREET**  
**BUFFALO, NY 14203**

**NOVEMBER 2007**

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### TABLES

(Following Text)

Table B-1	Validated Groundwater Sample Analytical Results
Table B-2	Validated Field QC Sample Analytical Results

### APPENDICES

(Following Tables)

Appendix A	Validated Form 1's
Appendix B	Support Documentation

## **I. INTRODUCTION**

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *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 the 45 groundwater samples, two matrix spike/matrix spike duplicate (MS/MSD) pairs, two field/rinsate blanks, and 10 trip blanks collected by URS personnel on July 24 - August 6, 2007 are discussed in this DUSR. The samples were collected as part of the third quarter 2007 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;
- Polycyclic aromatic hydrocarbons (PAHs) – USEPA Method SW8270C;
- Total and dissolved iron – USEPA Method 6010B;
- Methane – USEPA Method RSK-175;
- Total Alkalinity – USEPA Method 310.1;
- Nitrate – USEPA Method 353.2;
- Nitrite – USEPA Method 353.2;
- Sulfate – USEPA Method 375.4;
- Free Carbon Dioxide – Standard Method (SM) 4500-CO<sub>2</sub>-D; and



- Heterotrophic Plate Count – SM 9215B.

Not all samples were analyzed for all parameters. In addition, some samples were collected for total cyanide analyses. At the request of URS, these samples were to be held by the laboratory pending further notification. None of the samples placed on hold were analyzed for total cyanide.

A limited data validation was performed on the samples in accordance with the guidelines 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;*
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, SOP HW-22, Rev. 3, October 2006; and*
- *Validation of Metals for the Contract Laboratory Program (CLP) Based on SOW ILM05.3, SOP HW-2, Rev. 13, September 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 B-1 and B-2. Copies of the validated laboratory results (i.e., Form 1'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.

### IV. HOLDING TIMES/SAMPLE RECEIPT

All samples were received by the laboratories intact and under proper chain-of-custody, and were analyzed within the required holding times.

### V. NON-CONFORMANCES

- Instrument Calibration

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 and field/rinse blank samples was greater than 20% for VOCs benzene and ethylbenzene: HIMW-8D, HIMW-8I, HIMW-8S, HIMW-9D, HIMW-9I, HIMW-201S, TB073107, and TB080107. The non-detect results for benzene and ethylbenzene in these samples were qualified 'UJ'.

The %D between the ICAL average RRF and the RRF in the CCAL standard associated with the following groundwater and field/rinse blank samples was greater than 20% for PAH benzo(k)fluoranthene: HIMW-3D, HIMW-13I, HIMW-13S, and FB072707. The non-detect results for benzo(k)fluoranthene in these samples were qualified 'UJ'.

The %D between the ICAL average RRF and the RRF in the CCAL standard associated with the following groundwater samples was greater than 20% for PAHs benzo(k)fluoranthene and benzo(g,h,i)perylene: HIMW-1D, HIMW-15I, HIMW-19I,

and PZ-02. The non-detect results for benzo(k)fluoranthene and benzo(g,h,i)perylene in these samples were qualified 'UJ'.

The %D between the ICAL average RRF and the RRF in the CCAL standard associated with the following groundwater samples was greater than 20% for PAH indeno(1,2,3-cd)pyrene: HIMW-4S, HIMW-5D, HIMW-5I, HIMW-5S, HIMW-8D, HIMW-8I, HIMW-8S, HIMW-9D, HIMW-9I, HIMW-9S, HIMW-12D, HIMW-12I, HIMW-200S, and HIMW-201S. The non-detect results for indeno(1,2,3-cd)pyrene in these samples were qualified 'UJ'.

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

- Matrix Spike/Matrix Duplicate Analyses

For the total and dissolved iron analyses, matrix duplicate (MD) analyses were performed in place of the MSD analyses. The relative percent difference (RPD) between the concentration of total iron in groundwater sample HIMW-14D and the concentration in the MD analysis of this sample was greater than 20%. The results for total iron in associated groundwater samples HIMW-12S, HIMW-14D, HIMW-14I, HIMW-15D, and HIMW-15I were qualified 'J'.

The RPD between the concentration of total iron in groundwater sample HIMW-10D and the concentration in the MD analysis of this sample was greater than 20%. In addition, the recovery of total iron in the MS analysis of this sample was greater than 125%. The results for total iron in associated groundwater samples HIMW-4S, HIMW-10D, HIMW-12I, HIMW-12D, HIMW-18I, and HIMW-200S were qualified 'J'.

The RPD between the heterotrophic plate count in groundwater sample HIMW-10D and the concentration in the MD analysis of this sample was greater than 20%. The heterotrophic plate count results in associated groundwater samples HIMW-4D, HIMW-

4I, HIMW-4S, HIMW-10D, HIMW-10I, HIMW-10S, HIMW-12I, HIMW-12D, HIMW-18I, and HIMW-200S were qualified 'J'.

Documentation supporting the qualification of data (i.e., Forms 5 and 6, or equivalent) is presented in Appendix B.

- Blank Contamination

The heterotrophic plate counts in the following groundwater samples were less than ten times the plate count in the associated field blank: HIMW-4D, HIMW-4I, HIMW-4S, HIMW-10D, HIMW-10I, HIMW-12D, HIMW-12I, HIMW-14D, HIMW-14I, and HIMW-200S. The heterotrophic plate counts in these samples were qualified 'J'.

The concentrations of total iron in the following groundwater samples were less than ten times the concentration in the associated field blank: HIMW-4D, HIMW-4S, HIMW-10I, HIMW-12D, HIMW-12S, HIMW-14D, HIMW-14I, HIMW-15I, and HIMW-200S. The results for total iron in these samples were qualified 'J'.

The concentrations of dissolved iron in the following groundwater samples were less than ten times the concentration in the associated field and/or calibration blanks: HIMW-4I, HIMW-4S, HIMW-10D, HIMW-12S, and HIMW-200S. The results for dissolved iron in these samples were qualified 'J'.

Documentation supporting the qualification of data (i.e., Forms 3 and 14, where applicable) 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. Several samples were analyzed utilizing one or more dilutions to allow quantification of all project target analytes within the calibration range of the instrument.



Results reported from secondary dilution analyses were qualified 'D' by the laboratory. BTEX and PAH results below the quantitation limits were qualified 'J' by the laboratory. Total and dissolved iron results below the contract required detection limit (CRDL) were qualified 'B' by the laboratory. To be consistent with current USEPA flagging convention, these 'B' qualifiers were changed to 'J' during validation.

## 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. All other sample results are usable as reported. URS does not recommend the re-collection of any samples at this time.

Prepared By: James J. Lehnert, Senior Chemist *JL*

Date: 11/21/07

Reviewed By: Mary E. Bitka, Principal Chemist *MEB*

Date: 11/21/07

## 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 B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-001D	HIMW-002D	HIMW-002I	HIMW-002S	HIMW-003D
Sample ID		HIMW-1D	HIMW-2D	HIMW-2I	HIMW-2S	HIMW-3D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/24/07	08/03/07	08/02/07	08/06/07	07/27/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 UJ	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 UJ	10 U	10 U	10 U	10 UJ
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	1 J	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-001D	HIMW-002D	HIMW-002I	HIMW-002S	HIMW-003D
Sample ID		HIMW-1D	HIMW-2D	HIMW-2I	HIMW-2S	HIMW-3D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/24/07	08/03/07	08/02/07	08/06/07	07/27/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	NA	NA	NA
Nitrite-Nitrogen	UG/L	NA	NA	NA	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	NA	NA	NA
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	NA	NA
Methane	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL



**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-003I	HIMW-003S	HIMW-004D	HIMW-004I	HIMW-004S
Sample ID		HIMW-3I	HIMW-3S	HIMW-4D	HIMW-4I	HIMW-4S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/07	07/25/07	08/06/07	08/02/07	07/31/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 U	10 UJ
Naphthalene	UG/L	10 U	10 U	10 U	10 U	6 J
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By \_JJL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-003I	HIMW-003S	HIMW-004D	HIMW-004I	HIMW-004S
Sample ID		HIMW-3I	HIMW-3S	HIMW-4D	HIMW-4I	HIMW-4S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/07	07/25/07	08/06/07	08/02/07	07/31/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	213 J	567	45.3 J
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	111	21.0 J	48.4 J
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	13,000	34,800	12,600
Nitrate-Nitrogen	UG/L	NA	NA	4,360	2,360	3,390
Nitrite-Nitrogen	UG/L	NA	NA	100 U	100 U	100 U
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	27,800	23,700	18,500
Heterotrophic Plate Count	CFU/ML	NA	NA	210 J	320 J	210 J
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	60,900	63,500	39,600
Methane	UG/L	NA	NA	1 U	1 U	1 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-005D	HIMW-005I	HIMW-005S	HIMW-006D	HIMW-006I
Sample ID		HIMW-5D	HIMW-5I	HIMW-5S	HIMW-6D	HIMW-6I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/31/07	07/30/07	07/30/07	08/02/07	08/01/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	7 J	10 U	10 U	17
Ethylbenzene	UG/L	10 U	3 J	10 U	10 U	10 U
Toluene	UG/L	4 J	3 J	10 U	10 U	10
Xylene (total)	UG/L	58	170	10 U	3 J	13
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	11	540 D	10 U	10 U	24
Acenaphthene	UG/L	10 U	16	10 U	10 U	10 U
Acenaphthylene	UG/L	5 J	170 DJ	10 U	2 J	14
Anthracene	UG/L	10 U	2 J	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	35	10 U	10 U	3 J
Indeno(1,2,3-cd)pyrene	UG/L	10 UJ	10 UJ	10 UJ	10 U	10 U
Naphthalene	UG/L	76 D	2,600 D	10 U	1 J	110 D
Phenanthrene	UG/L	10 U	20	10 U	3 J	10 U
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-005D	HIMW-005I	HIMW-005S	HIMW-006D	HIMW-006I
Sample ID		HIMW-5D	HIMW-5I	HIMW-5S	HIMW-6D	HIMW-6I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/31/07	07/30/07	07/30/07	08/02/07	08/01/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	NA	NA	NA
Nitrite-Nitrogen	UG/L	NA	NA	NA	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	NA	NA	NA
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	NA	NA
Methane	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL



**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-007D	HIMW-007I	HIMW-008D	HIMW-008I	HIMW-008S
Sample ID		HIMW-7D	HIMW-7I	HIMW-8D	HIMW-8I	HIMW-8S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/01/07	08/02/07	07/31/07	08/01/07	08/01/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	10 U	10 UJ	10 UJ	10 UJ
Ethylbenzene	UG/L	10 U	10 U	10 UJ	10 UJ	10 UJ
Toluene	UG/L	10 U	10 U	1 J	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 UJ	10 UJ	10 UJ
Naphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By \_JJL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-007D	HIMW-007I	HIMW-008D	HIMW-008I	HIMW-008S
Sample ID		HIMW-7D	HIMW-7I	HIMW-8D	HIMW-8I	HIMW-8S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/01/07	08/02/07	07/31/07	08/01/07	08/01/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	NA	NA	NA
Nitrite-Nitrogen	UG/L	NA	NA	NA	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	NA	NA	NA
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	NA	NA
Methane	UG/L	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-009D	HIMW-009I	HIMW-009S	HIMW-010D	HIMW-010I
Sample ID		HIMW-9D	HIMW-9I	HIMW-9S	HIMW-10D	HIMW-10I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/01/07	08/01/07	07/31/07	08/03/07	08/02/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 UJ	10 UJ	10 U	10 U	10 U
Ethylbenzene	UG/L	10 UJ	10 UJ	10 U	10 U	10 U
Toluene	UG/L	1 J	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 UJ	10 UJ	10 UJ	10 U	10 U
Naphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By \_JJL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-009D	HIMW-009I	HIMW-009S	HIMW-010D	HIMW-010I
Sample ID		HIMW-9D	HIMW-9I	HIMW-9S	HIMW-10D	HIMW-10I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/01/07	08/01/07	07/31/07	08/03/07	08/02/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	929 J	129 J
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	48.9 J	75.3 J
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	NA	4,800	1,000 U
Nitrate-Nitrogen	UG/L	NA	NA	NA	2,140	2,400
Nitrite-Nitrogen	UG/L	NA	NA	NA	100 U	100 U
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	NA	22,000	30,200
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	120 J	340 J
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	42,900	1,000 U
Methane	UG/L	NA	NA	NA	1 U	1 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL



**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-010S	HIMW-011D	HIMW-011I	HIMW-012D	HIMW-012I
Sample ID		HIMW-10S	HIMW-11D	HIMW-11I	HIMW-12D	HIMW-12I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/06/07	08/03/07	08/02/07	07/31/07	07/30/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	10 U	10 U	10 U	26
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	15
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	22
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	51
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	66
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	10 U	10 U	37
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 UJ	10 UJ
Naphthalene	UG/L	10 U	10 U	10 U	10 U	8 J
Phenanthrene	UG/L	1 J	10 U	10 U	10 U	6 J
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-010S	HIMW-011D	HIMW-011I	HIMW-012D	HIMW-012I
Sample ID		HIMW-10S	HIMW-11D	HIMW-11I	HIMW-12D	HIMW-12I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		08/06/07	08/03/07	08/02/07	07/31/07	07/30/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	3,910	NA	NA	255 J	20,500 J
<b>Dissolved Metals</b>						
Iron	UG/L	2,510	NA	NA	98.2 J	16,900
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	1,700	NA	NA	6,100	69,400
Nitrate-Nitrogen	UG/L	5,510	NA	NA	1,390	100 U
Nitrite-Nitrogen	UG/L	220	NA	NA	100 U	100 U
Sulfate (as SO <sub>4</sub> )	UG/L	96,500	NA	NA	61,800	43,200
Heterotrophic Plate Count	CFU/ML	1,000 J	NA	NA	100 J	77 J
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	9,400	NA	NA	70,200	230,000
Methane	UG/L	1 U	NA	NA	19	330 D

Flags assigned during chemistry validation are shown.

Made By\_JJL 11/19/2007\_

Checked By\_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-012S	HIMW-013D	HIMW-013I	HIMW-013S	HIMW-014D
Sample ID		HIMW-12S	HIMW-13D	HIMW-13I	HIMW-13S	HIMW-14D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/07	07/26/07	07/27/07	07/27/07	07/25/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	4 J	140	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	3 J	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	5 J	9 J	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	10 U	7 J	9 J	10 U	10 U
Acenaphthylene	UG/L	10 U	10	75	10 U	10 U
Anthracene	UG/L	10 U	10 U	1 J	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 UJ	10 UJ	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	16	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10 U	10 U	1 J	10 U	10 U
Phenanthrene	UG/L	10 U	10 U	17	10 U	10 U
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-012S	HIMW-013D	HIMW-013I	HIMW-013S	HIMW-014D
Sample ID		HIMW-12S	HIMW-13D	HIMW-13I	HIMW-13S	HIMW-14D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/07	07/26/07	07/27/07	07/27/07	07/25/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	390 J	NA	NA	NA	5,620 J
<b>Dissolved Metals</b>						
Iron	UG/L	34.7 J	NA	NA	NA	898
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	30,200	NA	NA	NA	24,100
Nitrate-Nitrogen	UG/L	5,290	NA	NA	NA	100 U
Nitrite-Nitrogen	UG/L	100 U	NA	NA	NA	100 U
Sulfate (as SO <sub>4</sub> )	UG/L	21,600	NA	NA	NA	79,500
Heterotrophic Plate Count	CFU/ML	460	NA	NA	NA	190 J
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	64,700	NA	NA	NA	171,000
Methane	UG/L	1 U	NA	NA	NA	180 D

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL



**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-014I	HIMW-015D	HIMW-015I	HIMW-018I	HIMW-019I
Sample ID		HIMW-14I	HIMW-15D	HIMW-15I	HIMW-18I	HIMW-19I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/07	07/25/07	07/24/07	08/03/07	07/24/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	80	10 U	21	1 J	10 U
Ethylbenzene	UG/L	86	10 U	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	2 J	10 U
Xylene (total)	UG/L	8 J	10 U	10 U	18	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	35	10 U
Acenaphthene	UG/L	19	10 U	5 J	2 J	10 U
Acenaphthylene	UG/L	30	10 U	22	11	10 U
Anthracene	UG/L	10 U	10 U	10 U	2 J	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 UJ	10 U	10 UJ
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 UJ	10 U	10 UJ
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	1 J	10 U
Fluorene	UG/L	8 J	10 U	10 U	5 J	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	3 J	10 U	10 U	120 D	10 U
Phenanthrene	UG/L	7 J	10 U	3 J	12	10 U
Pyrene	UG/L	10 U	10 U	10 U	3 J	10 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-014I	HIMW-015D	HIMW-015I	HIMW-018I	HIMW-019I
Sample ID		HIMW-14I	HIMW-15D	HIMW-15I	HIMW-18I	HIMW-19I
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/07	07/25/07	07/24/07	08/03/07	07/24/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	44,900 J	17,200 J	480 J	3,560 J	NA
<b>Dissolved Metals</b>						
Iron	UG/L	16,700	15,200	97.4 J	159	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	62,500	1,000 U	63,000	1,000 U	NA
Nitrate-Nitrogen	UG/L	100 U	100 U	200	4,100	NA
Nitrite-Nitrogen	UG/L	100 U	100 U	100 U	100 U	NA
Sulfate (as SO <sub>4</sub> )	UG/L	23,100	57,500	29,600	57,200	NA
Heterotrophic Plate Count	CFU/ML	160 J	930	640	3,800 J	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	244,000	1,000 U	135,000	1,000 U	NA
Methane	UG/L	290 D	210 D	32 D	1 U	NA

Flags assigned during chemistry validation are shown.

Made By\_JJL 11/19/2007\_

Checked By\_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-200S	HIMW-201S	HIMW-202S	PZ-02	PZ-03
Sample ID		HIMW-200S	HIMW-201S	HIMW-202S	PZ-02	PZ-03
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/31/07	08/01/07	08/06/07	07/24/07	07/25/07
Parameter	Units					
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	10 UJ	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 UJ	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 UJ	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 UJ	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 UJ	10 UJ	10 U	10 U	10 U
Naphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		HIMW-200S	HIMW-201S	HIMW-202S	PZ-02	PZ-03
Sample ID		HIMW-200S	HIMW-201S	HIMW-202S	PZ-02	PZ-03
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/31/07	08/01/07	08/06/07	07/24/07	07/25/07
Parameter	Units					
<b>Metals</b>						
Iron	UG/L	50.7 J	NA	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	42.7 J	NA	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	12,400	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	3,400	NA	NA	NA	NA
Nitrite-Nitrogen	UG/L	100 U	NA	NA	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	18,600	NA	NA	NA	NA
Heterotrophic Plate Count	CFU/ML	210 J	NA	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	44,100	NA	NA	NA	NA
Methane	UG/L	1 U	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-2**  
**VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		TRIP BLANK	TRIP BLANK	TRIP BLANK	FB 072707	TB072707
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/24/07	07/25/07	07/26/07	07/27/07	07/27/07
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Field Blank (1-1)	Trip Blank (1-1)
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	NA	NA	NA	10 U	NA
Acenaphthene	UG/L	NA	NA	NA	10 U	NA
Acenaphthylene	UG/L	NA	NA	NA	10 U	NA
Anthracene	UG/L	NA	NA	NA	10 U	NA
Benzo(a)anthracene	UG/L	NA	NA	NA	10 U	NA
Benzo(a)pyrene	UG/L	NA	NA	NA	10 U	NA
Benzo(b)fluoranthene	UG/L	NA	NA	NA	10 U	NA
Benzo(g,h,i)perylene	UG/L	NA	NA	NA	10 U	NA
Benzo(k)fluoranthene	UG/L	NA	NA	NA	10 UJ	NA
Chrysene	UG/L	NA	NA	NA	10 U	NA
Dibenz(a,h)anthracene	UG/L	NA	NA	NA	10 U	NA
Fluoranthene	UG/L	NA	NA	NA	10 U	NA
Fluorene	UG/L	NA	NA	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA	NA	10 U	NA
Naphthalene	UG/L	NA	NA	NA	10 U	NA
Phenanthrene	UG/L	NA	NA	NA	10 U	NA
Pyrene	UG/L	NA	NA	NA	10 U	NA

Flags assigned during chemistry validation are shown.

Made By \_JJL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL



**TABLE B-2**  
**VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		TRIP BLANK	TRIP BLANK	TRIP BLANK	FB 072707	TB072707
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/24/07	07/25/07	07/26/07	07/27/07	07/27/07
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Field Blank (1-1)	Trip Blank (1-1)
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	NA	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	NA	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA	NA	NA	NA
Nitrite-Nitrogen	UG/L	NA	NA	NA	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	NA	NA	NA
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	NA	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	NA	NA
Methane	UG/L	1 U	1 U	1 U	NA	NA

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-2**  
**VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		TB073007	TB 073107	TB 080107	FB 080207	TB 080207
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/30/07	07/31/07	08/01/07	08/02/07	08/02/07
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Field Blank (1-1)	Trip Blank (1-1)
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Ethylbenzene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	NA	NA	NA	10 U	NA
Acenaphthene	UG/L	NA	NA	NA	10 U	NA
Acenaphthylene	UG/L	NA	NA	NA	10 U	NA
Anthracene	UG/L	NA	NA	NA	10 U	NA
Benzo(a)anthracene	UG/L	NA	NA	NA	10 U	NA
Benzo(a)pyrene	UG/L	NA	NA	NA	10 U	NA
Benzo(b)fluoranthene	UG/L	NA	NA	NA	10 U	NA
Benzo(g,h,i)perylene	UG/L	NA	NA	NA	10 U	NA
Benzo(k)fluoranthene	UG/L	NA	NA	NA	10 U	NA
Chrysene	UG/L	NA	NA	NA	10 U	NA
Dibenz(a,h)anthracene	UG/L	NA	NA	NA	10 U	NA
Fluoranthene	UG/L	NA	NA	NA	10 U	NA
Fluorene	UG/L	NA	NA	NA	10 U	NA
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA	NA	10 U	NA
Naphthalene	UG/L	NA	NA	NA	10 U	NA
Phenanthrene	UG/L	NA	NA	NA	10 U	NA
Pyrene	UG/L	NA	NA	NA	10 U	NA

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-2**  
**VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		TB073007	TB 073107	TB 080107	FB 080207	TB 080207
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/30/07	07/31/07	08/01/07	08/02/07	08/02/07
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Field Blank (1-1)	Trip Blank (1-1)
<b>Metals</b>						
Iron	UG/L	NA	NA	NA	39.9 J	NA
<b>Dissolved Metals</b>						
Iron	UG/L	NA	NA	NA	3.8 J	NA
<b>Miscellaneous Parameters</b>						
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA	NA	1,000 U	NA
Nitrate-Nitrogen	UG/L	NA	NA	NA	100 U	NA
Nitrite-Nitrogen	UG/L	NA	NA	NA	100 U	NA
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA	NA	5,000 U	NA
Heterotrophic Plate Count	CFU/ML	NA	NA	NA	41	NA
<b>Dissolved Gases</b>						
Carbon dioxide	UG/L	NA	NA	NA	1,000 U	NA
Methane	UG/L	1 U	1 U	NA	1 U	1 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-2**  
**VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		FIELDQC	FIELDQC
Sample ID		TB080307	TB080607
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		08/03/07	08/06/07
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)
<b>Volatile Organic Compounds</b>			
Benzene	UG/L	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U
Toluene	UG/L	10 U	10 U
Xylene (total)	UG/L	10 U	10 U
<b>Semivolatile Organic Compounds</b>			
2-Methylnaphthalene	UG/L	NA	NA
Acenaphthene	UG/L	NA	NA
Acenaphthylene	UG/L	NA	NA
Anthracene	UG/L	NA	NA
Benzo(a)anthracene	UG/L	NA	NA
Benzo(a)pyrene	UG/L	NA	NA
Benzo(b)fluoranthene	UG/L	NA	NA
Benzo(g,h,i)perylene	UG/L	NA	NA
Benzo(k)fluoranthene	UG/L	NA	NA
Chrysene	UG/L	NA	NA
Dibenz(a,h)anthracene	UG/L	NA	NA
Fluoranthene	UG/L	NA	NA
Fluorene	UG/L	NA	NA
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA
Naphthalene	UG/L	NA	NA
Phenanthrene	UG/L	NA	NA
Pyrene	UG/L	NA	NA

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

Detection Limits shown are PQL

**TABLE B-2**  
**VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**JULY - AUGUST 2007**

Location ID		FIELDQC	FIELDQC
Sample ID		TB080307	TB080607
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		08/03/07	08/06/07
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)
<b>Metals</b>			
Iron	UG/L	NA	NA
<b>Dissolved Metals</b>			
Iron	UG/L	NA	NA
<b>Miscellaneous Parameters</b>			
Alkalinity, Total (as CaCO <sub>3</sub> )	UG/L	NA	NA
Nitrate-Nitrogen	UG/L	NA	NA
Nitrite-Nitrogen	UG/L	NA	NA
Sulfate (as SO <sub>4</sub> )	UG/L	NA	NA
Heterotrophic Plate Count	CFU/ML	NA	NA
<b>Dissolved Gases</b>			
Carbon dioxide	UG/L	NA	NA
Methane	UG/L	NA	1 U

Flags assigned during chemistry validation are shown.

Made By \_JL 11/19/2007\_

Checked By \_AMK 11/19/2007\_

**Detection Limits shown are PQL**



**APPENDIX A**  
**VALIDATED FORM 1'S**

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-1D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001  
 Matrix: (soil/water) WATER Lab Sample ID: 0708517-001A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37105.D  
 Level: (low/med) LOW Date Received: 07/24/07  
 % Moisture: not dec. Date Analyzed: 07/26/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-2D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water)

WATER

Lab Sample ID:

0708980-003ASample wt/vol: 5(g/mL) ML

Lab File ID:

7\P37350.D

Level: (low/med)

LOW

Date Received:

08/06/07

% Moisture: not dec.

Date Analyzed:

08/13/07GC Column: R-502.2ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-2I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003  
 Matrix: (soil/water) WATER Lab Sample ID: 0708980-004A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37351.D  
 Level: (low/med) LOW Date Received: 08/06/07  
 % Moisture: not dec. Date Analyzed: 08/13/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-2S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003

Matrix: (soil/water) WATER Lab Sample ID: 0709039-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37354.D

Level: (low/med) LOW Date Received: 08/06/07

% Moisture: not dec. Date Analyzed: 08/13/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L) Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-3D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001  
 Matrix: (soil/water) WATER Lab Sample ID: 0708713-003A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37210.D  
 Level: (low/med) LOW Date Received: 07/27/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-3I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS001

Matrix: (soil/water)

WATERLab Sample ID: 0708641-004ASample wt/vol: 5(g/mL) MLLab File ID: 7\F37206.D

Level: (low/med)

LOWDate Received: 07/26/07

% Moisture: not dec.

Date Analyzed: 08/03/07GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_

(μL)

Soil Aliquot Volume \_\_\_\_\_ (μL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-3S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS001

Matrix: (soil/water)

WATERLab Sample ID: 0708594-003ASample wt/vol: 5(g/mL) MLLab File ID: 7\P37113.D

Level: (low/med)

LOWDate Received: 07/25/07

% Moisture: not dec.

Date Analyzed: 07/26/07GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_

(μL)

Soil Aliquot Volume \_\_\_\_\_ (μL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(μg/L or μg/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-4D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS003

Matrix: (soil/water)

WATERLab Sample ID: 0709039-004ASample wt/vol: 5(g/mL) MLLab File ID: 7\P37355.D

Level: (low/med)

LOWDate Received: 08/06/07

% Moisture: not dec.

Date Analyzed: 08/13/07GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L)Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-4I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003  
 Matrix: (soil/water) WATER Lab Sample ID: 0708926-002A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37283.D  
 Level: (low/med) LOW Date Received: 08/02/07  
 % Moisture: not dec. Date Analyzed: 08/08/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-4S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708808-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37218.D

Level: (low/med) LOW Date Received: 07/31/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L) Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-5D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
 Matrix: (soil/water) WATER Lab Sample ID: 0708808-004A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37219.D  
 Level: (low/med) LOW Date Received: 07/31/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	4	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	58	

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-5I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
 Matrix: (soil/water) WATER Lab Sample ID: 0708763-002A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37214.D  
 Level: (low/med) LOW Date Received: 07/30/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00  
 Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

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

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-5S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708808-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37220.D

Level: (low/med) LOW Date Received: 07/31/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-6D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water)

WATER

Lab Sample ID: 0708926-003A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 7\P37284.D

Level: (low/med)

LOW

Date Received: 08/02/07

% Moisture: not dec.

Date Analyzed: 08/08/07

GC Column: R-502.2

ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	3	J



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-6I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003  
 Matrix: (soil/water) WATER Lab Sample ID: 0708926-004A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37285.D  
 Level: (low/med) LOW Date Received: 08/02/07  
 % Moisture: not dec. Date Analyzed: 08/08/07  
 GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00  
 Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

CONCENTRATION UNITS:  
(μg/L or μg/Kg) UG/L Q

CAS NO.	COMPOUND		
71-43-2	Benzene	17	
108-88-3	Toluene	14	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	13	

11/16/07

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-7D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003  
 Matrix: (soil/water) WATER Lab Sample ID: 0708926-005A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37286.D  
 Level: (low/med) LOW Date Received: 08/02/07  
 % Moisture: not dec. Date Analyzed: 08/08/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-7I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003

Matrix: (soil/water) WATER Lab Sample ID: 0708926-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37287.D

Level: (low/med) LOW Date Received: 08/02/07

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

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS003/003F S78

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-8D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS002

Matrix: (soil/water)

WATERLab Sample ID: 0708808-006ASample wt/vol: 5(g/mL) MLLab File ID: 7\P37226.D

Level: (low/med)

LOWDate Received: 07/31/07

% Moisture: not dec.

Date Analyzed: 08/03/07GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L)Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) UG/L	Q
71-43-2	Benzene	10	U <del>J</del>
108-88-3	Toluene	1	J
100-41-4	Ethylbenzene	10	U <del>J</del>
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-8I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
 Matrix: (soil/water) WATER Lab Sample ID: 0708870-002A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37240.D  
 Level: (low/med) LOW Date Received: 08/01/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00  
 Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U <i>JS</i>
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U <i>JS</i>
1330-20-7	Xylene (total)	10	U

*11/15/07 m*



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-8S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
 Matrix: (soil/water) WATER Lab Sample ID: 0708870-003A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37241.D  
 Level: (low/med) LOW Date Received: 08/01/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (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	10	U <input checked="" type="checkbox"/>
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U <input checked="" type="checkbox"/>
1330-20-7	Xylene (total)	10	U

*11/15/07*

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-9D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
 Matrix: (soil/water) WATER Lab Sample ID: 0708870-004A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\p37242.D  
 Level: (low/med) LOW Date Received: 08/01/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (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	10	U-J
108-88-3	Toluene	1	J
100-41-4	Ethylbenzene	10	U-J
1330-20-7	Xylene (total)	10	U

*11/15/07*

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-9I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS002

Matrix: (soil/water)

WATERLab Sample ID: 0708870-005ASample wt/vol: 5(g/mL) MLLab File ID: 7\B37243.D

Level: (low/med)

LOWDate Received: 08/01/07

% Moisture: not dec.

Date Analyzed: 08/03/07GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L)Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	<u>U</u>
108-88-3	Toluene	10	<u>U</u>
100-41-4	Ethylbenzene	10	<u>U</u>
1330-20-7	Xylene (total)	10	<u>U</u>

*11/15/07*

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-9S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708870-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37280.D

Level: (low/med) LOW Date Received: 08/01/07

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

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ ( $\mu\text{L}$ ) Soil Aliquot Volume \_\_\_\_\_ ( $\mu\text{L}$ )

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu\text{g/L}$ or $\mu\text{g/Kg}$ ) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-10D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708977-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37291.D

Level: (low/med) LOW Date Received: 08/03/07

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

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L) Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-10I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003  
 Matrix: (soil/water) WATER Lab Sample ID: 0708926-001A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37282.D  
 Level: (low/med) LOW Date Received: 08/02/07  
 % Moisture: not dec. Date Analyzed: 08/08/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS003/003F S81

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-10S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003  
 Matrix: (soil/water) WATER Lab Sample ID: 0709039-001A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\p37352.D  
 Level: (low/med) LOW Date Received: 08/06/07  
 % Moisture: not dec. Date Analyzed: 08/13/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-11D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS003

Matrix: (soil/water)

WATERLab Sample ID: 0708980-001ASample wt/vol: 5(g/mL) MLLab File ID: 7\P37348.D

Level: (low/med)

LOWDate Received: 08/06/07

% Moisture: not dec.

Date Analyzed: 08/13/07GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L)Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-111

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003  
Matrix: (soil/water) WATER Lab Sample ID: 0708980-002A  
Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37349.D  
Level: (low/med) LOW Date Received: 08/06/07  
% Moisture: not dec. Date Analyzed: 08/13/07  
GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00  
Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-12D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708808-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37216.D

Level: (low/med) LOW Date Received: 07/31/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L) Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U



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-URS002  
 Matrix: (soil/water) WATER Lab Sample ID: 0708763-001A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37213.D  
 Level: (low/med) LOW Date Received: 07/30/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (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	26	
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	15	
1330-20-7	Xylene (total)	22	

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-URS001  
 Matrix: (soil/water) WATER Lab Sample ID: 0708641-001A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37203.D  
 Level: (low/med) LOW Date Received: 07/26/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00  
 Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE 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-URS001

Matrix: (soil/water) WATER Lab Sample ID: 0708641-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37204.D

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (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	4		J
108-88-3	Toluene	10		U
100-41-4	Ethylbenzene	10		U
1330-20-7	Xylene (total)	5		J

KEY-URS001/001F A97

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-URS001

Matrix: (soil/water) WATER Lab Sample ID: 0708713-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37208.D

Level: (low/med) LOW Date Received: 07/27/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (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	140	
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	3	J
1330-20-7	Xylene (total)	9	J

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water)

WATER

Lab Sample ID:

0708713-002A

Sample wt/vol: 5

(g/mL) ML

Lab File ID:

7\P37209.D

Level: (low/med)

LOW

Date Received:

07/27/07

% Moisture: not dec.

Date Analyzed:

08/03/07

GC Column: R-502.2

ID: .53 (mm)

Dilution Factor:

1.00

Soil Extract Volume: \_\_\_\_\_

( $\mu$ L)

Soil Aliquot Volume \_\_\_\_\_

( $\mu$ L)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U



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-URS001  
 Matrix: (soil/water) WATER Lab Sample ID: 0708594-001A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37109.D  
 Level: (low/med) LOW Date Received: 07/25/07  
 % Moisture: not dec. Date Analyzed: 07/26/07  
 GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00  
 Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
HIMW-14I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 0708641-003A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37205.D  
 Level: (low/med) LOW Date Received: 07/26/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (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	
71-43-2	Benzene	80	Q
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	86	
1330-20-7	Xylene (total)	8	J

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-URS001

Matrix: (soil/water) WATER Lab Sample ID: 0708594-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37112.D

Level: (low/med) LOW Date Received: 07/25/07

% Moisture: not dec. Date Analyzed: 07/26/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

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-URS001  
 Matrix: (soil/water) WATER Lab Sample ID: 0708517-002A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37106.D  
 Level: (low/med) LOW Date Received: 07/24/07  
 % Moisture: not dec. Date Analyzed: 07/26/07  
 GC Column: R-502.2 ID: .53 (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	21	
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-18I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water)

WATER

Lab Sample ID: 0708977-002A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 7\B37294.D

Level: (low/med) LOW

Date Received: 08/03/07

% Moisture: not dec.

Date Analyzed: 08/08/07

GC Column: R-502.2

ID: .53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_

( $\mu$ L)

Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		( $\mu$ g/L or $\mu$ g/Kg) UG/L	Q
71-43-2	Benzene	1	J
108-88-3	Toluene	2	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	18	

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-19I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) WATER Lab Sample ID: 0708517-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37107.D

Level: (low/med) LOW Date Received: 07/24/07

% Moisture: not dec. Date Analyzed: 07/26/07

GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-200S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708808-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37217.D

Level: (low/med) LOW Date Received: 07/31/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L) Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-201S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
 Matrix: (soil/water) WATER Lab Sample ID: 0708870-001A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37239.D  
 Level: (low/med) LOW Date Received: 08/01/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (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	10	U <u>J</u>
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U <u>J</u>
1330-20-7	Xylene (total)	10	U

*11/15/07*

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-202S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003

Matrix: (soil/water) WATER Lab Sample ID: 0709039-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37353.D

Level: (low/med) LOW Date Received: 08/06/07

% Moisture: not dec. Date Analyzed: 08/13/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L) Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PZ-02

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001  
 Matrix: (soil/water) WATER Lab Sample ID: 0708517-004A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37108.D  
 Level: (low/med) LOW Date Received: 07/24/07  
 % Moisture: not dec. Date Analyzed: 07/26/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS001/001F A133

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PZ-03

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) WATER Lab Sample ID: 0708594-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37114.D

Level: (low/med) LOW Date Received: 07/25/07

% Moisture: not dec. Date Analyzed: 07/26/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (μL) Soil Aliquot Volume \_\_\_\_\_ (μL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(μg/L or μg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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7/24/07

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001  
 Matrix: (soil/water) WATER Lab Sample ID: 0708517-005A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37103.D  
 Level: (low/med) LOW Date Received: 07/24/07  
 % Moisture: not dec. Date Analyzed: 07/26/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS001/001F A138



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001  
 Matrix: (soil/water) WATER Lab Sample ID: 0708594-005A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37102.D  
 Level: (low/med) LOW Date Received: 07/25/07  
 % Moisture: not dec. Date Analyzed: 07/26/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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7/26/07

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) WATER Lab Sample ID: 0708641-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37207.D

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS001/001F A142

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB072707

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) WATER Lab Sample ID: 0708713-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37212.D

Level: (low/med) LOW Date Received: 07/27/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 072707

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001  
 Matrix: (soil/water) WATER Lab Sample ID: 0708713-004A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37211.D  
 Level: (low/med) LOW Date Received: 07/27/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (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
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS001/001F A81

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB073007

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708763-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\F37215.D

Level: (low/med) LOW Date Received: 07/30/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L) Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 073107

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708808-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37227.D

Level: (low/med) LOW Date Received: 07/31/07

% Moisture: not dec. Date Analyzed: 08/03/07

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L) Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) <u>UG/L</u>	<u>Q</u>
71-43-2	Benzene	10	<u>U</u>
108-88-3	Toluene	10	<u>U</u>
100-41-4	Ethylbenzene	10	<u>U</u>
1330-20-7	Xylene (total)	10	<u>U</u>

11/15/07

KEY-URS002/002F S119



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 080107

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
 Matrix: (soil/water) WATER Lab Sample ID: 0708870-007A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37238.D  
 Level: (low/med) LOW Date Received: 08/01/07  
 % Moisture: not dec. Date Analyzed: 08/03/07  
 GC Column: R-502.2 ID: .53 (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	10	U <i>J</i>
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U <i>J</i>
1330-20-7	Xylene (total)	10	U

*11/15/07*

KEY-URS002/002F S132

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 080207

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003  
 Matrix: (soil/water) WATER Lab Sample ID: 0708926-008A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37290.D  
 Level: (low/med) LOW Date Received: 08/02/07  
 % Moisture: not dec. Date Analyzed: 08/08/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 080207

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003  
 Matrix: (soil/water) WATER Lab Sample ID: 0708926-007A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\P37289.D  
 Level: (low/med) LOW Date Received: 08/02/07  
 % Moisture: not dec. Date Analyzed: 08/08/07  
 GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080307

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
Matrix: (soil/water) WATER Lab Sample ID: 0708977-003A  
Sample wt/vol: 5 (g/mL) ML Lab File ID: 7\EP37295.D  
Level: (low/med) LOW Date Received: 08/03/07  
% Moisture: not dec. Date Analyzed: 08/08/07  
GC Column: R-502.2 ID: .53 (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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB080607

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS003

Matrix: (soil/water)

WATERLab Sample ID: 0709039-005ASample wt/vol: 5(g/mL) MLLab File ID: 7\P37356.D

Level: (low/med)

LOWDate Received: 08/06/07

% Moisture: not dec.

Date Analyzed: 08/13/07GC Column: R-502.2ID: .53 (mm)Dilution Factor: 1.00Soil Extract Volume: \_\_\_\_\_ ( $\mu$ L)Soil Aliquot Volume \_\_\_\_\_ ( $\mu$ L)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1C

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-1D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001Matrix: (soil/water) WATERLab Sample ID: 0708517-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36610.DLevel: (low/med) LOWDate Received: 07/24/07% Moisture: Decanted: (Y/N) NDate Extracted: 07/27/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 07/30/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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	1	J
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 H
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 H

(1) Cannot be separated from Diphenylamine

11/14/07



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-2D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID: 0708980-003B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36839.D

Level: (low/med) LOW

Date Received: 08/06/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/08/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/14/07

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) <u>UG/L</u>	<u>Q</u>
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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-2I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID: 0708980-004B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36840.D

Level: (low/med) LOW

Date Received: 08/06/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/08/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/14/07

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	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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-2S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID: 0709039-003B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36843.D

Level: (low/med) LOW

Date Received: 08/06/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/08/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/14/07

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) <u>UG/L</u>	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

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-3D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001Matrix: (soil/water) WATERLab Sample ID: 0708713-003BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36672.DLevel: (low/med) LOWDate Received: 07/27/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/01/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/02/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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

11/14/07 JZ

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-3I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) WATER Lab Sample ID: 0708641-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C36625.D

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: Decanted: (Y/N) N Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 07/31/07

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	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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-3S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) WATER Lab Sample ID: 0708594-003B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C36620.D

Level: (low/med) LOW Date Received: 07/25/07

% Moisture: Decanted: (Y/N) N Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 07/31/07

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	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



1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-4D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003Matrix: (soil/water) WATERLab Sample ID: 0709039-004BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36844.DLevel: (low/med) LOWDate Received: 08/06/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/08/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/14/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-4I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID: 0708926-002B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36824.D

Level: (low/med) LOW

Date Received: 08/02/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/07/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/13/07

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

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-4S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002Matrix: (soil/water) WATERLab Sample ID: 0708808-003BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36759.DLevel: (low/med) LOWDate Received: 07/31/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/03/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/07/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	6		J
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 <sup>1</sup>
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

11/15/07

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-5D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water) WATER

Lab Sample ID: 0708808-004B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36760.D

Level: (low/med) LOW

Date Received: 07/31/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/07/07

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		
91-57-6	2-Methylnaphthalene	<del>87</del> 76	<del>B</del> D
208-96-8	Acenaphthylene	11	
83-32-9	Acenaphthene	5	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
53-70-3	Dibenzo (a, h) anthracene	10	U J
191-24-2	Benzo (g, h, i) perylene	10	U

Cannot be separated from Diphenylamine

*11/15/07*

IC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-5DDL

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water) WATER

Lab Sample ID: 0708808-004BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: AVC36764.D

Level: (low/med) LOW

Date Received: 07/31/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/07/07

Injection Volume: 2 (µL)

Dilution Factor: 2.00

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	76		D
91-57-6	2-Methylnaphthalene	10		DJ
208-96-8	Acenaphthylene	4		DJ
83-32-9	Acenaphthene	20		U
86-73-7	Fluorene	20		U
85-01-8	Phenanthrene	20		U
120-12-7	Anthracene	20		U
206-44-0	Fluoranthene	20		U
129-00-0	Pyrene	20		U
56-55-3	Benzo(a)anthracene	20		U
218-01-9	Chrysene	20		U
205-99-2	Benzo(b)fluoranthene	20		U
207-08-9	Benzo(k)fluoranthene	20		U
50-32-8	Benzo(a)pyrene	20		U
193-39-5	Indeno(1,2,3-cd)pyrene	20		U
53-70-3	Dibenzo(a,h)anthracene	20		U
191-24-2	Benzo(g,h,i)perylene	20		U

(1) Cannot be separated from Diphenylamine

*11/15/07*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-5I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water) WATER

Lab Sample ID: 0708763-002B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36756.D

Level: (low/med) LOW

Date Received: 07/30/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/07/07

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	<del>2000</del> 2600	<del>+</del> D
91-57-6	2-Methylnaphthalene	<del>520</del> 540	<del>+</del> D
208-96-8	Acenaphthylene	<del>260</del> 170	<del>+</del> D
83-32-9	Acenaphthene	16	
86-73-7	Fluorene	35	
85-01-8	Phenanthrene	20	
120-12-7	Anthracene	2	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

*11/5/07m*



1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-5IDL

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002Matrix: (soil/water) WATERLab Sample ID: 0708763-002BDLSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36763.DLevel: (low/med) LOWDate Received: 07/30/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/03/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/07/07Injection Volume: 2 (µL)Dilution Factor: 50.00GPC 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	2600		D
91-57-6	2-Methylnaphthalene	540		D
208-96-8	Acenaphthylene	170		DJ
83-32-9	Acenaphthene	500		U
86-73-7	Fluorene	500		U
85-01-8	Phenanthrene	500		U
120-12-7	Anthracene	500		U
206-44-0	Fluoranthene	500		U
129-00-0	Pyrene	500		U
56-55-3	Benzo(a)anthracene	500		U
218-01-9	Chrysene	500		U
205-99-2	Benzo(b)fluoranthene	500		U
207-08-9	Benzo(k)fluoranthene	500		U
50-32-8	Benzo(a)pyrene	500		U
193-39-5	Indeno(1,2,3-cd)pyrene	500		U
53-70-3	Dibenzo(a,h)anthracene	500		U
191-24-2	Benzo(g,h,i)perylene	500		U

(1) Cannot be separated from Diphenylamine

11/5/07

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-5S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002Matrix: (soil/water) WATERLab Sample ID: 0708808-005BSample wt/vol: 1000 (g/mL) MLLab File ID: ANC36761.DLevel: (low/med) LOWDate Received: 07/31/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/03/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/07/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 <sup>1</sup>
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

*11/15/07*

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-6D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID:

0708926-003B

Sample wt/vol:

1000

(g/mL) ML

Lab File ID:

A\C36825.D

Level: (low/med)

LOW

Date Received:

08/02/07

% Moisture:

Decanted: (Y/N)

N

Date Extracted:

08/07/07

Concentrated Extract Volume:

1000

(µL)

Date Analyzed:

08/13/07

Injection Volume:

2

(µL)

Dilution Factor:

1.00

GPC Cleanup: (Y/N)

N

pH: \_\_\_\_\_

Extraction: (Type) SEPF

CONCENTRATION UNITS:

(µg/L or µg/Kg) UG/L Q

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
91-20-3	Naphthalene	1		J
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	2		J
83-32-9	Acenaphthene	10		U
86-73-7	Fluorene	10		U
85-01-8	Phenanthrene	3		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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-6I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID: 0708926-004B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36826.D

Level: (low/med) LOW

Date Received: 08/02/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/07/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/13/07

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	<del>120</del> 110	<del>B</del>
91-57-6	2-Methylnaphthalene	24	
208-96-8	Acenaphthylene	14	
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	3	J
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

*11/12/07*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-6IDL

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID: 0708926-004BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36847.D

Level: (low/med) LOW

Date Received: 08/02/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/07/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/14/07

Injection Volume: 2 (µL)

Dilution Factor: 2.00

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	110	D
91-57-6	2-Methylnaphthalene	23	D
208-96-8	Acenaphthylene	13	DJ
83-32-9	Acenaphthene	20	U
86-73-7	Fluorene	3	DJ
85-01-8	Phenanthrene	20	U
120-12-7	Anthracene	20	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	20	U
56-55-3	Benzo(a)anthracene	20	U
218-01-9	Chrysene	20	U
205-99-2	Benzo(b)fluoranthene	20	U
207-08-9	Benzo(k)fluoranthene	20	U
50-32-8	Benzo(a)pyrene	20	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	U
53-70-3	Dibenzo(a,h)anthracene	20	U
191-24-2	Benzo(g,h,i)perylene	20	U

(1) Cannot be separated from Diphenylamine

11/16/07

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.:

HIMW-7D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003Matrix: (soil/water) WATERLab Sample ID: 0708926-005BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36827.DLevel: (low/med) LOWDate Received: 08/02/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/07/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/13/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-7I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003

Matrix: (soil/water) WATER Lab Sample ID: 0708926-006B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C36828.D

Level: (low/med) LOW Date Received: 08/02/07

% Moisture: Decanted: (Y/N) N Date Extracted: 08/07/07

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/13/07

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

1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-8D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002Matrix: (soil/water) WATERLab Sample ID: 0708808-006BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36762.DLevel: (low/med) LOWDate Received: 07/31/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/03/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/07/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 <sup>1</sup>
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

11/15/07

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-81

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water) WATER

Lab Sample ID: 0708870-002B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36768.D

Level: (low/med) LOW

Date Received: 08/01/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/06/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/07/07

Injection Volume: 2 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Extraction: (Type) SEPE

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(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

*11/15/07*

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-8S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS002Matrix: (soil/water) WATERLab Sample ID: 0708870-003BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36769.DLevel: (low/med) LOWDate Received: 08/01/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/06/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/07/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 <sup>1</sup>
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

11/15/07

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-9D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water) WATER

Lab Sample ID: 0708870-004B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36770.D

Level: (low/med) LOW

Date Received: 08/01/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/06/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/07/07

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	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 <sup>1</sup>
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

*11/15/07*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-9I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water) WATER

Lab Sample ID: 0708870-005B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36771.D

Level: (low/med) LOW

Date Received: 08/01/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/06/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/07/07

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	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 <sup>1</sup>
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

*11/15/07 m*



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-9S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water) WATER

Lab Sample ID: 0708870-006B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36772.D

Level: (low/med) LOW

Date Received: 08/01/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/06/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/07/07

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

11/15/07m

1C

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-10D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002Matrix: (soil/water) WATERLab Sample ID: 0708977-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36833.DLevel: (low/med) LOWDate Received: 08/03/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/08/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/13/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-10I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 1047E

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID: 0708926-001B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36823.D

Level: (low/med) LOW

Date Received: 08/02/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/07/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/13/07

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) <u>UG/L</u>	<u>Q</u>
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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-10S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID: 0709039-001B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36841.D

Level: (low/med) LOW

Date Received: 08/06/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/08/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/14/07

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	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	1		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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-11D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water) WATER

Lab Sample ID: 0708980-001B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36837.D

Level: (low/med) LOW

Date Received: 08/06/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/08/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/13/07

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	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

1C

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-11I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003Matrix: (soil/water) WATERLab Sample ID: 0708980-002BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36838.DLevel: (low/med) LOWDate Received: 08/06/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/08/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/13/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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

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-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708808-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C36757.D

Level: (low/med) LOW Date Received: 07/31/07

% Moisture: Decanted: (Y/N) N Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/07/07

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	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 <sup>1</sup>
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

*11/15/07*



1C  
SEMIVOLATILE 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-URS002

Matrix: (soil/water) WATER

Lab Sample ID: 0708763-001B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36755.D

Level: (low/med) LOW

Date Received: 07/30/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/07/07

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	8	J
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	66	
83-32-9	Acenaphthene	51	
86-73-7	Fluorene	37	
85-01-8	Phenanthrene	6	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

Cannot be separated from Diphenylamine

*11/5/07*

1C  
SEMIVOLATILE 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-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708641-001B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36622.D

Level: (low/med) LOW

Date Received: 07/26/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 07/31/07

Injection Volume: 2 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Extraction: (Type) SEFF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	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

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-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708641-002B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36623.D

Level: (low/med) LOW

Date Received: 07/26/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 07/31/07

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	
83-32-9	Acenaphthene	7	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
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

1C  
SEMIVOLATILE 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-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708713-001B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36670.D

Level: (low/med) LOW

Date Received: 07/27/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/01/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/02/07

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	1		J
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	75		
83-32-9	Acenaphthene	9		J
86-73-7	Fluorene	16		
85-01-8	Phenanthrene	17		
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 J
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

11/14/07

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708713-002B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36671.D

Level: (low/med) LOW

Date Received: 07/27/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/01/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/02/07

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	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

11/14/07 TR

1C  
SEMIVOLATILE 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-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708594-001B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36616.D

Level: (low/med) LOW

Date Received: 07/25/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 07/31/07

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	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

IC  
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-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708641-003B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36624.D

Level: (low/med) LOW

Date Received: 07/26/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 07/31/07

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) <u>UG/L</u>	<u>Q</u>
91-20-3	Naphthalene	3	J
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	30	
83-32-9	Acenaphthene	19	
86-73-7	Fluorene	8	J
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



1C  
SEMIVOLATILE 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-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708594-002B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36619.D

Level: (low/med) LOW

Date Received: 07/25/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 07/31/07

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	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

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

HIMW-15I

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001Matrix: (soil/water) WATERLab Sample ID: 0708517-002BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36611.DLevel: (low/med) LOWDate Received: 07/24/07% Moisture: Decanted: (Y/N) NDate Extracted: 07/27/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 07/30/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	22	
83-32-9	Acenaphthene	5	J
86-73-7	Fluorene	10	U
85-01-8	Phenanthrene	3	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 J
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 J

(1) Cannot be separated from Diphenylamine

*11/11/07*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-18I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water) WATER

Lab Sample ID: 0708977-002B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36836.D

Level: (low/med) LOW

Date Received: 08/03/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/08/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 08/13/07

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		
91-57-6	2-Methylnaphthalene	<del>130</del> 120	<del>E</del> <b>B</b>
208-96-8	Acenaphthylene	35	
83-32-9	Acenaphthene	11	
86-73-7	Fluorene	2	J
85-01-8	Phenanthrene	5	J
120-12-7	Anthracene	12	
206-44-0	Fluoranthene	2	J
129-00-0	Pyrene	1	J
56-55-3	Benzo(a)anthracene	3	J
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

Cannot be separated from Diphenylamine

*11/15/07*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-18IDL

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) WATER Lab Sample ID: 0708977-002BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C36848.D

Level: (low/med) LOW Date Received: 08/03/07

% Moisture: Decanted: (Y/N) N Date Extracted: 08/08/07

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/14/07

Injection Volume: 2 (µL) Dilution Factor: 2.00

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	120		D
91-57-6	2-Methylnaphthalene	34		D
208-96-8	Acenaphthylene	11		DJ
83-32-9	Acenaphthene	2		DJ
86-73-7	Fluorene	4		DJ
85-01-8	Phenanthrene	11		DJ
120-12-7	Anthracene	20		U
206-44-0	Fluoranthene	20		U
129-00-0	Pyrene	4		DJ
56-55-3	Benzo(a)anthracene	20		U
218-01-9	Chrysene	20		U
205-99-2	Benzo(b)fluoranthene	20		U
207-08-9	Benzo(k)fluoranthene	20		U
50-32-8	Benzo(a)pyrene	20		U
193-39-5	Indeno(1,2,3-cd)pyrene	20		U
53-70-3	Dibenzo(a,h)anthracene	20		U
191-24-2	Benzo(g,h,i)perylene	20		U

(1) Cannot be separated from Diphenylamine

*11/15/07*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-19I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708517-003B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36612.D

Level: (low/med) LOW

Date Received: 07/24/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 07/30/07

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) <u>UG/L</u>	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 <sup>4</sup>
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 <sup>4</sup>

(1) Cannot be separated from Diphenylamine

*11/14/07*

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-200S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002Matrix: (soil/water) WATERLab Sample ID: 0708808-002BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36758.DLevel: (low/med) LOWDate Received: 07/31/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/03/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/07/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 <sup>1</sup>
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

*2/15/07*

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-201S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002Matrix: (soil/water) WATERLab Sample ID: 0708870-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36767.DLevel: (low/med) LOWDate Received: 08/01/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/06/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/07/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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

11/15/07



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-202S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003Matrix: (soil/water) WATERLab Sample ID: 0709039-002BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36842.DLevel: (low/med) LOWDate Received: 08/06/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/08/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/14/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PZ-02

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708517-004B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36613.D

Level: (low/med) LOW

Date Received: 07/24/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 07/30/07

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) <u>UG/L</u>	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

*11/14/07*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PZ-03

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water) WATER

Lab Sample ID: 0708594-004B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C36621.D

Level: (low/med) LOW

Date Received: 07/25/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 07/27/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 07/31/07

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	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

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 072707

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001Matrix: (soil/water) WATERLab Sample ID: 0708713-004BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36673.DLevel: (low/med) LOWDate Received: 07/27/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/01/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/02/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: \_\_\_\_\_Extraction: (Type) SEPF

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	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 <sup>A</sup>
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

11/14/07

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 080207

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003Matrix: (soil/water) WATERLab Sample ID: 0708926-007BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C36829.DLevel: (low/med) LOWDate Received: 08/02/07% Moisture: Decanted: (Y/N) NDate Extracted: 08/07/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 08/13/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-4D

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003

Matrix (soil/water): WATER

Lab Sample ID: 0709039-004

Level (low/med): LOW

Date Received: 8/6/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	213			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/19/07*

Comments:

Date Reported: 8/16/2007

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-4D

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003F

Matrix (soil/water): WATER

Lab Sample ID: 0709041-002

Level (low/med): LOW

Date Received: 8/6/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	111			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

Date Reported: 8/13/2007

Dissolved Metals



U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-4I

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003

Matrix (soil/water): WATER

Lab Sample ID: 0708926-002

Level (low/med): LOW

Date Received: 8/2/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	567			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

Date Reported: 8/16/2007

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-4I

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003F

Matrix (soil/water): WATER

Lab Sample ID: 0708929-002

Level (low/med): LOW

Date Received: 8/2/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	21.0	<input checked="" type="checkbox"/>		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/19/07m*

Comments:

Date Reported: 8/13/2007

Dissolved Metals

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-4S

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002

Matrix (soil/water): WATER

Lab Sample ID: 0708808-003

Level (low/med): LOW

Date Received: 7/31/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	45.3	B	<del>N</del>	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/15/07*

Comments:

Date Reported: 8/21/2007

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-4S

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002F

Matrix (soil/water): WATER

Lab Sample ID: 0708809-003

Level (low/med): LOW

Date Received: 7/31/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	48.4	<del>B</del>		P

J

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/15/07*

Comments:

DATE REPORTED: AUGUST 9, 2007

DISSOLVED METALS

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-10D

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002

Matrix (soil/water): WATER

Lab Sample ID: 0708977-001

Level (low/med): LOW

Date Received: 8/3/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	929		<del>W</del>	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/15/07m*

Comments:

Date Reported: 8/21/2007

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-10D

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002F

Matrix (soil/water): WATER

Lab Sample ID: 0708978-001

Level (low/med): LOW

Date Received: 8/3/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	48.9	<del>B</del>		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*8/15/07*

Comments:

DATE REPORTED: AUGUST 9, 2007

DISSOLVED METALS

KEY-URS002/002F S137

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-101

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003

Matrix (soil/water): WATER

Lab Sample ID: 0708926-001

Level (low/med): LOW

Date Received: 8/2/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	129			P

J

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

11/19/07

Comments:

Date Reported: 8/16/2007

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-10I

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003F

Matrix (soil/water): WATER

Lab Sample ID: 0708929-001

Level (low/med): LOW

Date Received: 8/2/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	75.3	<input checked="" type="checkbox"/>		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/19/07m*

Comments:

Date Reported: 8/13/2007

Dissolved Metals

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-10S

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003

Matrix (soil/water): WATER

Lab Sample ID: 0709039-001

Level (low/med): LOW

Date Received: 8/6/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	3910			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

Date Reported: 8/16/2007

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-10S

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003F

Matrix (soil/water): WATER

Lab Sample ID: 0709041-001

Level (low/med): LOW

Date Received: 8/6/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	2510			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

Date Reported: 8/13/2007

Dissolved Metals

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-12D

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002

Matrix (soil/water): WATER

Lab Sample ID: 0708808-001

Level (low/med): LOW

Date Received: 7/31/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	255		<del>N</del>	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/15/07*

Comments:

Date Reported: 8/21/2007

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-12D

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002F

Matrix (soil/water): WATER

Lab Sample ID: 0708809-001

Level (low/med): LOW

Date Received: 7/31/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	98.2	B		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/15/07m*

Comments:

DATE REPORTED: AUGUST 9, 2007

DISSOLVED METALS

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-12I

Lab Name: H2M LABS, INC.

Lab Code: 10478 Case No.

SAS No.:

SDG No.: KEY-URS002

Matrix (soil/water): WATER

Lab Sample ID: 0708763-001

Level (low/med): LOW

Date Received: 7/30/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	20500		<del>***</del>	P

J

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/15/07*

Comments:

Date Reported: 8/21/2007

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-12I

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002F

Matrix (soil/water): WATER

Lab Sample ID: 0708764-001

Level (low/med): LOW

Date Received: 7/30/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	16900			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

DATE REPORTED: AUGUST 9, 2007

DISSOLVED METALS



U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-12S

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001

Matrix (soil/water): WATER

Lab Sample ID: 0708641-001

Level (low/med): LOW

Date Received: 7/26/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	390		*	P

J

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*ILM07m*

Comments:

Date Reported: 8/13/07

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-12S

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001F

Matrix (soil/water): WATER

Lab Sample ID: 0708638-001

Level (low/med): LOW

Date Received: 7/26/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	34.7	<input checked="" type="checkbox"/>		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/16/07*

Comments:

DATE REPORTED: AUGUST 7, 2007

DISSOLVED METALS

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-14D

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478 Case No.

SAS No.:

SDG No.: KEY-URS001

Matrix (soil/water): WATER

Lab Sample ID: 0708594-001

Level (low/med): LOW

Date Received: 7/25/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	5620		*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/4/07m*

Comments:

Date Reported: 8/13/07

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-14D

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001

Matrix (soil/water): WATER

Lab Sample ID: 0708595-001

Level (low/med): LOW

Date Received: 7/25/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	898			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

DATE REPORTED: AUGUST 7, 2007

DISSOLVED METALS

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-14I

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001

Matrix (soil/water): WATER

Lab Sample ID: 0708641-003

Level (low/med): LOW

Date Received: 7/26/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	44900		*	P

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Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/14/07m*

Comments:

Date Reported: 8/13/07

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U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-14I

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001

Matrix (soil/water): WATER

Lab Sample ID: 0708638-002

Level (low/med): LOW

Date Received: 7/26/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	16700			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

DATE REPORTED: AUGUST 7, 2007  
DISSOLVED METALS

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-15D

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001

Matrix (soil/water): WATER

Lab Sample ID: 0708594-002

Level (low/med): LOW

Date Received: 7/25/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	17200		*	P

Color Before: COLORLESS Clarity Before: CLOUDY

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/14/07*

Comments:

Date Reported: 8/13/07



U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-15D

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001

Matrix (soil/water): WATER

Lab Sample ID: 0708595-002

Level (low/med): LOW

Date Received: 7/25/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	15200			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

DATE REPORTED: AUGUST 7, 2007  
DISSOLVED METALS

KEY-URS001/001F A122

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-15I

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001

Matrix (soil/water): WATER

Lab Sample ID: 0708517-002

Level (low/med): LOW

Date Received: 7/24/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	480		*	P

4

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/14/07 pm*

Comments:

Date Reported: 8/13/07

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-15I

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001F

Matrix (soil/water): WATER

Lab Sample ID: 0708520-001

Level (low/med): LOW

Date Received: 7/24/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	97.4	<del>B</del>		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/15/07*

Comments:

DATE REPORTED: AUGUST 7, 2007  
DISSOLVED METALS

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-18I

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002

Matrix (soil/water): WATER

Lab Sample ID: 0708977-002

Level (low/med): LOW

Date Received: 8/3/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	3560		<del>N*</del>	P

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Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/5/07*

Comments:

Date Reported: 8/21/2007

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-181

Lab Name: H2M LABS, INC.

Lab Code: 10478 Case No.

SAS No.:

SDG No.: KEY-URS002F

Matrix (soil/water): WATER

Lab Sample ID: 0708978-002

Level (low/med): LOW

Date Received: 8/3/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	159			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

DATE REPORTED: AUGUST 9, 2007

DISSOLVED METALS

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-200S

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002

Matrix (soil/water): WATER

Lab Sample ID: 0708808-002

Level (low/med): LOW

Date Received: 7/31/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	50.7	<del>B</del>	<del>N</del>	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*7/31/07*

Comments:

Date Reported: 8/21/2007

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

HIMW-200S

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002F

Matrix (soil/water): WATER

Lab Sample ID: 0708809-002

Level (low/med): LOW

Date Received: 7/31/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	42.7	<input checked="" type="checkbox"/>		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/15/07pm*

Comments:

DATE REPORTED: AUGUST 9, 2007

DISSOLVED METALS



U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

FB 080207

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003

Matrix (soil/water): WATER

Lab Sample ID: 0708926-007

Level (low/med): LOW

Date Received: 8/2/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	39.9	<u>B</u>		<u>P</u>

J

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*8/14/07 m*

Comments:

Date Reported: 8/16/2007

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

U.S. EPA - CLP

1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

FB 080207

Lab Name: H2M LABS, INC.

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS003F

Matrix (soil/water): WATER

Lab Sample ID: 0708929-003

Level (low/med): LOW

Date Received: 8/2/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-89-6	Iron	3.8	<del>B</del>		P

J

Color Before: COLORLESS Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLEAR

Artifacts: \_\_\_\_\_

*11/19/07*

Comments:

Date Reported: 8/13/2007

Dissolved Metals

\_\_\_\_\_  
\_\_\_\_\_

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0709039-004

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-4D

Collected 8/6/2007 2:00:00 PM  
Received 8/6/2007 4:37:00 PM  
Collected By Client  
Copies To Original  
CC

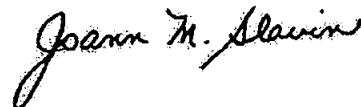
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	210	J	1	CFU/mL	M9215B	08/06/2007 5:15 PM
Alkalinity, Total (As CaCO <sub>3</sub> )	13.0		1	mg/L	E310.1	08/10/2007 2:22 PM
Free Carbon Dioxide	60.9		1	mg/L	M4500CO2D	08/10/2007 5:02 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	08/07/2007 11:10 AM
Nitrate as N	4.36		10	mg/L	E353.2	08/09/2007 1:38 PM
Sulfate	27.8		1	mg/L	E375.4	08/07/2007 11:50 AM

11/19/07m

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/23/2007



Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708926-002

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-4I

Collected 8/2/2007 2:45:00 PM  
Received 8/2/2007 4:40:00 PM  
Collected By Client  
Copies To Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	320	J	10	CFU/mL	M9215B	08/02/2007 5:00 PM
Alkalinity, Total (As CaCO <sub>3</sub> )	34.8		2	mg/L	E310.1	08/03/2007 2:20 PM
Free Carbon Dioxide	63.5		1	mg/L	M4500CO2D	08/03/2007 5:04 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	08/03/2007 12:26 PM
Nitrate as N	2.36		5	mg/L	E353.2	08/06/2007 1:42 PM
Sulfate	23.7		1	mg/L	E375.4	08/07/2007 11:36 AM

*11/9/07*

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/23/2007

*Joann M. Alavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708808-003

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-4S

Collected 7/31/2007 2:00:00 PM  
Received 7/31/2007 4:00:00 PM  
Collected By Client  
Copies To Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	210	✓	1	CFU/mL	M9215B	07/31/2007 4:30 PM
Alkalinity, Total (As CaCO3)	12.6	-	1	mg/L	E310.1	08/03/2007 11:55 AM
Free Carbon Dioxide	39.6	-	1	mg/L	M4500CO2D	08/03/2007 5:02 PM
Nitrite as N	< 0.10	-	1	mg/L	E353.2	08/01/2007 9:39 AM
Nitrate as N	3.39	✓	5	mg/L	E353.2	08/01/2007 10:56 AM
Sulfate	18.5		1	mg/L	E375.4	08/01/2007 11:18 AM

*11/15/07 m*

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/22/2007

*Joann M. Slavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708977-001

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-10D

Collected 8/3/2007 1:00:00 PM  
Received 8/3/2007 3:49:00 PM  
Collected By Client  
Copies To Original  
CC

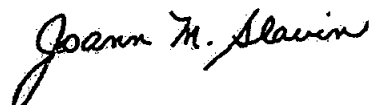
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Standard Plate Count	120	J	1	CFU/mL	M9215B	08/03/2007 4:30 PM
Alkalinity, Total (As CaCO3)	4.8	.	1	mg/L	E310.1	08/10/2007 1:26 PM
Free Carbon Dioxide	42.9	.	1	mg/L	M4500CO2D	08/10/2007 5:00 PM
Nitrite as N	< 0.10	.	1	mg/L	E353.2	08/03/2007 6:05 PM
Nitrate as N	2.14	.	5	mg/L	E353.2	08/06/2007 1:47 PM
Sulfate	22.0	.	2.5	mg/L	E375.4	08/07/2007 11:40 AM

11/15/07

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/22/2007



Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631)694-3040. FAX: (631)420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708926-001

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-101

Collected 8/2/2007 1:50:00 PM  
Received 8/2/2007 4:40:00 PM  
Collected By Client  
Copies To Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	340	J	10	CFU/mL	M9215B	08/02/2007 5:00 PM
Alkalinity, Total (As CaCO3)	< 1.0		1	mg/L	E310.1	08/03/2007 2:15 PM
Free Carbon Dioxide	< 1.0		1	mg/L	M4500CO2D	08/03/2007 5:03 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	08/03/2007 12:25 PM
Nitrate as N	2.40		5	mg/L	E353.2	08/06/2007 1:40 PM
Sulfate	30.2		1	mg/L	E375.4	08/07/2007 11:34 AM

*11/19/07*

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/23/2007

*Joann M. Slavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOHID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0709039-001

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-10S

Collected 8/6/2007 3:45:00 PM  
Received 8/6/2007 4:37:00 PM  
Collected By Client  
Copies To Original  
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Standard Plate Count	1000	A	10	CFU/mL	M9215B	08/06/2007 5:15 PM
Alkalinity, Total (As CaCO3)	1.7		1	mg/L	E310.1	08/10/2007 1:58 PM
Free Carbon Dioxide	9.4		1	mg/L	M4500CO2D	08/10/2007 5:01 PM
Nitrite as N	0.22		1	mg/L	E353.2	08/07/2007 11:09 AM
Nitrate as N	5.51		10	mg/L	E353.2	08/09/2007 1:37 PM
Sulfate	96.5		5	mg/L	E375.4	08/07/2007 11:48 AM

*11/19/07*

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/23/2007

*Joann M. Slavine*

Laboratory Manager



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708808-001

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-12D

Collected 7/31/2007 3:00:00 PM  
Received 7/31/2007 4:00:00 PM  
Collected By Client  
Copies To Original  
CC

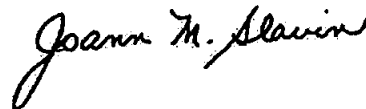
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	100	J	1	CFU/mL	M9215B	07/31/2007 4:30 PM
Alkalinity, Total (As CaCO3)	6.1		1	mg/L	E310.1	08/03/2007 11:45 AM
Free Carbon Dioxide	70.2		1	mg/L	M4500CO2D	08/03/2007 5:00 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	08/01/2007 9:34 AM
Nitrate as N	1.39		1	mg/L	E353.2	08/01/2007 10:51 AM
Sulfate	61.8		2.5	mg/L	E375.4	08/01/2007 11:10 AM

*11/15/07 m*

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/22/2007



Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708763-001

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-12I

Collected 7/30/2007 2:45:00 PM  
Received 7/30/2007 4:55:00 PM  
Collected By Client  
Copies To Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	77	J	1	CFU/mL	M9215B	07/30/2007 5:00 PM
Alkalinity, Total (As CaCO3)	69.4		4	mg/L	E310.1	07/31/2007 1:30 PM
Free Carbon Dioxide	230		1	mg/L	M4500CO2D	07/31/2007 2:05 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	07/31/2007 10:01 AM
Nitrate as N	< 0.10		1	mg/L	E353.2	07/31/2007 12:35 PM
Sulfate	43.2		2.5	mg/L	E375.4	08/01/2007 11:06 AM

*11/15/07*

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/22/2007

*Joann M. Slavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708641-001

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-12S

Collected : 7/26/2007 2:35:00 PM

Received : 7/26/2007 3:47:00 PM

Collected By Client

Copies To : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Standard Plate Count	460 -		10	CFU/mL	M9215B	07/26/2007 4:00 PM
Alkalinity, Total (As CaCO3)	30.2 -		2	mg/L	E310.1	07/31/2007 12:58 PM
Free Carbon Dioxide	64.7		1	mg/L	M4500CO2D	07/31/2007 2:04 PM
Nitrite as N	< 0.10 -		1	mg/L	E353.2	07/27/2007 11:34 AM
Nitrate as N	5.29 -		10	mg/L	E353.2	07/27/2007 9:53 AM
Sulfate	21.6 -		1	mg/L	E375.4	08/01/2007 10:58 AM

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/15/2007

*Joann M. Slavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708594-001

Sample Information...

Type : Aqueous

Origin:

Client ID. : HIMW-14D

Collected : 7/25/2007 1:15:00 PM

Received : 7/25/2007 4:10:00 PM

Collected By : Client

Copies To : Original

CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	190	E	1	CFU/mL	M9215B	07/25/2007 4:30 PM
Alkalinity, Total (As CaCO <sub>3</sub> )	24.1		1	mg/L	E310.1	07/31/2007 12:18 PM
Free Carbon Dioxide	171		1	mg/L	M4500CO2D	07/31/2007 2:01 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	07/26/2007 10:06 AM
Nitrate as N	< 0.10		1	mg/L	E353.2	07/26/2007 11:16 AM
Sulfate	79.5		5	mg/L	E375.4	08/01/2007 10:42 AM

*11/14/07*

Qualifiers: E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/15/2007

*Joann M. Slavine*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 .FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203

Attn To : Michael Akerbergs

Lab No. : 0708641-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : HIMW-14I

Collected : 7/26/2007 1:50:00 PM  
Received : 7/26/2007 3:47:00 PM  
Collected By Client  
Copies To : Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	160 -	J	1	CFU/mL	M9215B	07/26/2007 4:00 PM
Alkalinity, Total (As CaCO3)	62.5 -		5	mg/L	E310.1	07/31/2007 1:22 PM
Free Carbon Dioxide	244		1	mg/L	M4500CO2D	07/31/2007 2:06 PM
Nitrite as N	< 0.10 -		1	mg/L	E353.2	07/27/2007 11:35 AM
Nitrate as N	< 0.10 -		1	mg/L	E353.2	07/27/2007 9:55 AM
Sulfate	23.1 -		1	mg/L	E375.4	08/01/2007 11:02 AM

*11/19/07*

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/15/2007

*Joann M. Slavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708594-002

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-15D

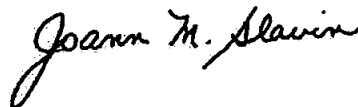
Collected : 7/25/2007 3:10:00 PM  
Received : 7/25/2007 4:10:00 PM  
Collected By Client  
Copies To : Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	930	-	10	CFU/mL	M9215B	07/25/2007 4:30 PM
Alkalinity, Total (As CaCO3)	< 1.0	-	1	mg/L	E310.1	07/31/2007 12:42 PM
Free Carbon Dioxide	< 1.0	-	1	mg/L	M4500CO2D	07/31/2007 2:02 PM
Nitrite as N	< 0.10	-	1	mg/L	E353.2	07/26/2007 10:10 AM
Nitrate as N	< 0.10	-	1	mg/L	E353.2	07/26/2007 11:19 AM
Sulfate	57.5	-	2.5	mg/L	E375.4	08/01/2007 10:54 AM

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/15/2007



Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID # 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203

Attn To : Michael Akerbergs

Lab No. : 0708517-002

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-151

Collected : 7/24/2007 3:10:00 PM

Received : 7/24/2007 4:00:00 PM

Collected By Client

Copies To : Original

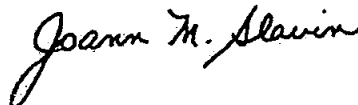
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Standard Plate Count	640	E	10	CFU/mL	M9215B	07/24/2007 4:30 PM
Alkalinity, Total (As CaCO3)	63.0	E	4	mg/L	E310.1	07/31/2007 11:46 AM
Free Carbon Dioxide	135		1	mg/L	M4500CO2D	07/31/2007 2:00 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	07/25/2007 11:48 AM
Nitrate as N	0.20	E	1	mg/L	E353.2	07/25/2007 4:00 PM
Sulfate	29.6	E	1	mg/L	E375.4	08/01/2007 10:38 AM

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/15/2007



Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708977-002

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-181

Collected 8/3/2007 3:00:00 PM  
Received 8/3/2007 3:49:00 PM  
Collected By Client  
Copies To Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Standard Plate Count	3800	J	100	CFU/mL	M9215B	08/03/2007 4:30 PM
Alkalinity, Total (As CaCO <sub>3</sub> )	< 1.0	-	1	mg/L	E310.1	08/13/2007 10:40 AM
Free Carbon Dioxide	< 1.0	.	1	mg/L	M4500CO2D	08/13/2007 5:00 PM
Nitrite as N	< 0.10	-	1	mg/L	E353.2	08/03/2007 6:08 PM
Nitrate as N	4.10	-	5	mg/L	E353.2	08/06/2007 1:50 PM
Sulfate	57.2		2.5	mg/L	E375.4	08/07/2007 11:46 AM

*11/15/07m*

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/22/2007

*Joann M. Slavine*

Laboratory Manager



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708808-002

Sample Information...  
Type : Aqueous

Origin:

Client ID. : HIMW-200S

Collected 7/31/2007 2:15:00 PM  
Received 7/31/2007 4:00:00 PM  
Collected By Client  
Copies To Original  
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Standard Plate Count	210	J	1	CFU/mL	M9215B	07/31/2007 4:30 PM
Alkalinity, Total (As CaCO <sub>3</sub> )	12.4 -		1	mg/L	E310.1	08/03/2007 11:50 AM
Free Carbon Dioxide	44.1 -		1	mg/L	M4500CO2D	08/03/2007 5:01 PM
Nitrite as N	< 0.10 -		1	mg/L	E353.2	08/01/2007 9:38 AM
Nitrate as N	3.40 -		5	mg/L	E353.2	08/01/2007 10:55 AM
Sulfate	18.6		1	mg/L	E375.4	08/01/2007 11:14 AM

*11/15/07 m*

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/22/2007

*Joann M. Slavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631)694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

URS Corporation  
201 Willowbrook Blvd.  
Wayne, NJ 14203  
Attn To : Michael Akerbergs

Lab No. : 0708926-007

Sample Information...  
Type : Field Blank

Origin:

Client ID. : FB 080207

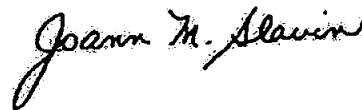
Collected 8/2/2007 2:55:00 PM  
Received 8/2/2007 4:40:00 PM  
Collected By Client  
Copies To Original  
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Standard Plate Count	41		1	CFU/mL	M9215B	08/02/2007 5:00 PM
Alkalinity, Total (As CaCO3)	< 1.0		1	mg/L	E310.1	08/03/2007 2:25 PM
Free Carbon Dioxide	< 1.0		1	mg/L	M4500CO2D	08/03/2007 5:05 PM
Nitrite as N	< 0.10		1	mg/L	E353.2	08/03/2007 12:28 PM
Nitrate as N	< 0.10		1	mg/L	E353.2	08/06/2007 1:43 PM
Sulfate	< 5.0		1	mg/L	E375.4	08/07/2007 11:38 AM

Qualifiers: E - Value above quantitation range  
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 8/23/2007



Laboratory Manager

HIMW-4D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.:

KEY-URS

SAS No.:

SDG No.:

KEY-URS003

Matrix: (soil/water)

Aqueous

Lab Sample ID:

0709039-004E

Sample wt/vol:

42.9

(g/mL)

ML

Lab File ID:

FID372.raw

Level: (low/med)

LOW

Date Received:

8/6/2007

% Moisture: not dec.

Date Extracted:

GC Column: Haye SEP S

ID: .75

(mm)

Date Analyzed:

8/17/2007

Extract Volume:

\_\_\_\_\_ (µl)

Dilution Factor:

1.00

Injection Volume:

500

(µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

HIMW-4I

Lab Name: H2MLABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003

Matrix: (soil/water) Aqueous Lab Sample ID: 0708926-002E

Sample wt/vol: 42.8 (g/mL) ML Lab File ID: FID285.raw

Level: (low/med) LOW Date Received: 8/2/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/8/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00

Injection Volume: 500 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	µg/L Q
74-82-8	Methane	1	U

HIMW-4S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water) Aqueous

Lab Sample ID: 0708808-003E

Sample wt/vol: 42.9 (g/mL) ML

Lab File ID: FID282.raw

Level: (low/med) LOW

Date Received: 7/31/2007

% Moisture: not dec.

Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm)

Date Analyzed: 8/8/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

HIMW-10D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water)

Aqueous

Lab Sample ID: 0708977-001E

Sample wt/vol:

43.1 (g/mL) ML

Lab File ID: FID290.raw

Level: (low/med)

LOW

Date Received: 8/3/2007

% Moisture: not dec.

Date Extracted:

GC Column: Haye SEP S

ID: .75 (mm)

Date Analyzed: 8/9/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

HIMW-101

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water)

Aqueous

Lab Sample ID: 0708926-001E

Sample wt/vol:

42.8 (g/mL) ML

Lab File ID: FID284.raw

Level: (low/med)

LOW

Date Received: 8/2/2007

% Moisture: not dec.

Date Extracted:

GC Column: Haye SEP S

ID: .75 (mm)

Date Analyzed: 8/8/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

HIMW-10S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003

Matrix: (soil/water) Aqueous Lab Sample ID: 0709039-001E

Sample wt/vol: 42.7 (g/mL) ML Lab File ID: FID371.raw

Level: (low/med) LOW Date Received: 8/6/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/17/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00

Injection Volume: 500 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	µg/L Q
74-82-8	Methane	1	U



HIMW-12D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
 Matrix: (soil/water) Aqueous Lab Sample ID: 0708808-001E  
 Sample wt/vol: 42.9 (g/mL) ML Lab File ID: FID280.raw  
 Level: (low/med) LOW Date Received: 7/31/2007  
 % Moisture: not dec. Date Extracted: \_\_\_\_\_  
 GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/8/2007  
 Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00  
 Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		19	

HIMW-12I

Lab Name: H2MLABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
 Matrix: (soil/water) Aqueous Lab Sample ID: 0708763-001E  
 Sample wt/vol: 43.1 (g/mL) ML Lab File ID: FID267.raw  
 Level: (low/med) LOW Date Received: 7/30/2007  
 % Moisture: not dec. Date Extracted: \_\_\_\_\_  
 GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/8/2007  
 Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00  
 Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		340	E

*repeat DL*

HIMW-12IDL

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) Aqueous Lab Sample ID: 0708763-001EDL

Sample wt/vol: 43.1 (g/mL) ML Lab File ID: FID268.raw

Level: (low/med) LOW Date Received: 7/30/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/8/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 43.00

Injection Volume: 500 (µl)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		330	D

HIMW-12S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water) Aqueous

Lab Sample ID: 0708641-001E

Sample wt/vol: 43.8 (g/mL) ML

Lab File ID: FID217.raw

Level: (low/med) LOW

Date Received: 7/26/2007

% Moisture: not dec.

Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm)

Date Analyzed: 7/30/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

HIMW-14D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water) Aqueous

Lab Sample ID: 0708594-001E

Sample wt/vol: 43.1 (g/mL) ML

Lab File ID: FID205.raw

Level: (low/med) LOW

Date Received: 7/25/2007

% Moisture: not dec.

Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm)

Date Analyzed: 7/27/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		250	E

*repart DL*

HIMW-14DDL

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001  
 Matrix: (soil/water) Aqueous Lab Sample ID: 0708594-001EDL  
 Sample wt/vol: 43.4 (g/mL) ML Lab File ID: FID258.raw  
 Level: (low/med) LOW Date Received: 7/25/2007  
 % Moisture: not dec. Date Extracted: \_\_\_\_\_  
 GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/7/2007  
 Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 43.00  
 Injection Volume: 500 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	µg/L Q
74-82-8	Methane	180	D

HIMW-14I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) Aqueous Lab Sample ID: 0708641-003E

Sample wt/vol: 43.1 (g/mL) ML Lab File ID: FID218.raw

Level: (low/med) LOW Date Received: 7/26/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 7/30/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		340	E

*Report DL*

HIMW-14IDL

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water) Aqueous

Lab Sample ID: 0708641-003EDL

Sample wt/vol: 43.1 (g/mL) ML

Lab File ID: FID219.raw

Level: (low/med) LOW

Date Received: 7/26/2007

% Moisture: not dec.

Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm)

Date Analyzed: 7/30/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 43.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		290	D



HIMW-15D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) Aqueous Lab Sample ID: 0708594-002E

Sample wt/vol: 43.0 (g/mL) ML Lab File ID: FID209.raw

Level: (low/med) LOW Date Received: 7/25/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 7/27/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00

Injection Volume: 500 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	µg/L Q
74-82-8	Methane	320	E

*Report DL*

HIMW-15DDL

Lab Name: H2MLABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water)

Aqueous

Lab Sample ID:

0708594-002EDL

Sample wt/vol:

43.0

(g/mL)

ML

Lab File ID:

FID212.raw

Level: (low/med)

LOW

Date Received:

7/25/2007

% Moisture: not dec.

Date Extracted:

GC Column: Haye SEP S

ID: .75 (mm)

Date Analyzed:

7/27/2007

Extract Volume:

\_\_\_\_\_ (µl)

Dilution Factor:

43.00

Injection Volume:

500

(µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		210	D

HIMW-15I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water)

Aqueous

Lab Sample ID:

0708517-002E

Sample wt/vol:

43.1 (g/mL) ML

Lab File ID:

FID202.raw

Level: (low/med)

LOW

Date Received:

7/24/2007

% Moisture: not dec.

Date Extracted:

GC Column: Haye SEP S

ID: .75 (mm)

Date Analyzed:

7/27/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor:

1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		33	E

*Repeat SL*

HIMW-15IDL

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) Aqueous Lab Sample ID: 0708517-002EDL

Sample wt/vol: 43.1 (g/mL) ML Lab File ID: FID203.raw

Level: (low/med) LOW Date Received: 7/24/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 7/27/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 2.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		32	D

HIMW-181

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water)

Aqueous

Lab Sample ID: 0708977-002E

Sample wt/vol:

43.2 (g/mL) ML

Lab File ID: FID293.raw

Level: (low/med)

LOW

Date Received: 8/3/2007

% Moisture: not dec.

Date Extracted:

GC Column: Haye SEP S

ID: .75 (mm)

Date Analyzed: 8/9/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

HIMW-200S

Lab Name: H2MLABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) Aqueous Lab Sample ID: 0708808-002E

Sample wt/vol: 42.7 (g/mL) ML Lab File ID: FID281.raw

Level: (low/med) LOW Date Received: 7/31/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/8/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

TB073007

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002

Matrix: (soil/water)

Aqueous

Lab Sample ID: 0708763-003E

Sample wt/vol:

43.0 (g/mL) ML

Lab File ID: FID279.raw

Level: (low/med)

LOW

Date Received: 7/30/2007

% Moisture: not dec.

Date Extracted:

GC Column: Haye SEP S

ID: .75 (mm)

Date Analyzed: 8/8/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

TB 073107

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002

Matrix: (soil/water) Aqueous Lab Sample ID: 0708808-007E

Sample wt/vol: 42.6 (g/mL) ML Lab File ID: FID283.raw

Level: (low/med) LOW Date Received: 7/31/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/8/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U



CLIENT SAMPLE NO.

TRIP BLANK-1  
7/24/07

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water) Aqueous

Lab Sample ID: 0708517-005E

Sample wt/vol: 42.7 (g/mL) ML

Lab File ID: FID204.raw

Level: (low/med) LOW

Date Received: 7/24/2007

% Moisture: not dec.

Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm)

Date Analyzed: 7/27/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	µg/L
74-82-8	Methane	1	Q
			U

TRIP BLANK-2  
7/25/07

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001

Matrix: (soil/water) Aqueous Lab Sample ID: 0708594-005E

Sample wt/vol: 43.4 (g/mL) ML Lab File ID: FID213.raw

Level: (low/med) LOW Date Received: 7/25/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 7/27/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	pg/L	Q
74-82-8	Methane		1	U

TRIP BLANK-3

7/26/07

Lab Name: H2M LABS. INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS001

Matrix: (soil/water)

Aqueous

Lab Sample ID: 0708641-005E

Sample wt/vol:

43.2 (g/mL) ML

Lab File ID: FID220.raw

Level: (low/med)

LOW

Date Received: 7/26/2007

% Moisture: not dec.

Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S

ID: .75 (mm)

Date Analyzed: 7/30/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

FB 080207

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003

Matrix: (soil/water) Aqueous Lab Sample ID: 0708926-007E

Sample wt/vol: 42.5 (g/mL) ML Lab File ID: FID288.raw

Level: (low/med) LOW Date Received: 8/2/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/9/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

TB 080207

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS003

Matrix: (soil/water)

Aqueous

Lab Sample ID: 0708926-008E

Sample wt/vol:

42.4 (g/mL) ML

Lab File ID: FID289.raw

Level: (low/med)

LOW

Date Received: 8/2/2007

% Moisture: not dec.

Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S

ID: .75 (mm)

Date Analyzed: 8/9/2007

Extract Volume: \_\_\_\_\_ (µl)

Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

TB 080607

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS003

Matrix: (soil/water) Aqueous Lab Sample ID: 0709039-005E

Sample wt/vol: 42.6 (g/mL) ML Lab File ID: FID373.raw

Level: (low/med) LOW Date Received: 8/6/2007

% Moisture: not dec. Date Extracted: \_\_\_\_\_

GC Column: Haye SEP S ID: .75 (mm) Date Analyzed: 8/17/2007

Extract Volume: \_\_\_\_\_ (µl) Dilution Factor: 1.00

Injection Volume: 500 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
74-82-8	Methane		1	U

**APPENDIX B**

**SUPPORT DOCUMENTATION**

# H2A LABS, INC.

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

PROJECT NAME/NUMBER  
 Keyspan - Hempstead Intersection

SAMPLERS: (signature)/Client  
 Kingstons/URS Corp.

DELIVERABLES:

TURNAROUND TIME: Standard

DATE	TIME	MATRIX	FIELD I.D.
7/24/07	11:55	AA	HIMW-1D
	15:10	AA	HIMW-1ST
	17:00	AA	HIMW-19Z
	11:45	AA	P3-02
		AA	Trip Blank

# EXTERNAL CHAIN OF CUSTODY

257

CLIENT: Key-URS H2M SDG NO: URS001

Project Contact: Mike Abernethy  
 Phone Number: 973-785-0700

Notes: Hold Cyanide Analysis until NOTIFICATION

Sample Container Description	Total No. of Containers	ANALYSIS REQUESTED						LAB I.D. NO.	REMARKS:
		ORGANIC	NOI/BOA	MEthane	HPC	INORG	Other		
40 ml Amber vial	5	2	2	1	1	1	1	070857-001	
950 ml Amber	5	2	2	1	1	1	1	-002	
40 ml Amber vial	5	2	2	1	1	1	1	-003	
40 ml Amber vial	4	2	2	1	1	1	1	-004	
40 ml Amber vial	5	2	2	1	1	1	1	-005	

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 Tags were:  
 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

WHYEL008001001#VALS

YELLOW COPY - CLIENT

PINK COPY - LABORATORY



H2M LABS, INC.

0

KEY-URS001

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

7/24/2007 4:00:00 PM

Work Order Numbe 0708517

Received by

KJH

Checklist completed by

*[Signature]*

7/24/07

Signature

Date

Reviewed by

*[Initials]*

7/25/07

Initials

Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

KEY-URS001/001F A19

Key-URS001F

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

7/24/2007 4:00:00 PM

Work Order Numbe 0708520

Received by

KJH

Checklist completed by

*[Signature]* 7/24/07

Signature

Date

Reviewed by

*[Initials]* 7/26/07

Initials

Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

KEY-URS001/001F A20

# H2M LABS, INC.

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

257

## EXTERNAL CHAIN OF CUSTODY

CLIENT: URS Corporation  
H2M SDG NO: KEY-URS01/F

Project Contact: Mike Akbar  
Phone Number: Michael Akbar Corp. 978-785-0700  
PIS/Quote #

NOTES: \* Hold Cyanide Analysis until notification

Sample Container Description	Containers	ANALYSIS REQUESTED	INSTR.
40ml Amber w/white	5	ORGANIC	HR
950ml Amber	5	NO2/NO3	HR
250ml Plastic w/white	11	Methane	HR
1L Plastic	11		
40ml Amber	11		
100ml Plastic	11		
250ml Plastic w/white	11		
250ml Plastic	11		
250ml Plastic	11		

DATE	TIME	MATRIX	FIELD I.D.	REMARKS:
7/25/07	10:20	AR	PZ-03	0708598 -001
7/25/07	11:10	AR	HIMN-3S	0708598 -003
7/25/07	13:15	AR	HIMN-14D	0708598 -001
7/25/07	13:15	AR	HIMN-14Q-MS	0708598 -001
7/25/07	15:10	AR	HIMN-15D	0708598 -002
7/25/07	15:28	AR	78072007	0708598 -000

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[Signature]	7-25-07	15:28	[Signature]	7-25-07	15:28
[Signature]	7-25-07	16:10	[Signature]	7-25-07	16:10
[Signature]			[Signature]		
[Signature]			[Signature]		

LABORATORY USE ONLY	
Discrepancies Between Sample Labels and COC Record? Y or N	Explain:
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 Tags 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	

PROJECT NAME/NUMBER: KeySpan-Hempstead Intersection  
SAMPLERS: (signature)/Client: Kimberly Hicks / URS Corp  
DELIVERABLES: NYS COTA  
TURNAROUND TIME: STANDARD TAT

0

Key-URS001

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

7/25/2007 4:10:00 PM

Work Order Number 0708594

Received by

SHW

Checklist completed by

*Cholme* 7/25/07  
Signature Date

Reviewed by

*ISA* 7/26/07  
Initials Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted *YES* Date contacted: *7/25/07* Person contacted *MIKE AKERBERG*

Contacted by: *CORINNE MAXWELL* Regarding \_\_\_\_\_

Comments: *SAMPLE HIMW-15D AND HIMW-14D HAD <sup>FOUR</sup> VIALS PRESERVED WITH H2SO4 NOT HCL.*

Corrective Action *SPOKE WITH MIKE AKERBERG, AND AS PER CLIENT WE WERE ABLE TO RUN TESTS WITH NO SPARE.*

KEY-URS001/001F A36

Q

KEY-URS001F

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive 7/25/2007 4:10:00 PM

Work Order Numbe 0708595

Received by SHW

Checklist completed by

*[Handwritten Signature]*

Signature

7/25/07

Date

Reviewed by

*[Handwritten Initials]*

Initials

7/27/07

Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

KEY-URS001/001F A37

# H2A LABS, INC.

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

257

## EXTERNAL CHAIN OF CUSTODY

CLIENT: URS Corporation H2M SDG NO: K04-URS001F

NOTES:  
 Hold Cyanide Analysis until Notification

Project Contact: Mike Akerberop  
 Phone Number: 908-447-4899  
 PIS/Quote #: 973-785-0700

PROJECT NAME/NUMBER  
 Keyspan Hempstead Int.

SAMPLERS: (signature)/Client  
 Kimberly Deed / URS Corp

DELIVERABLES:  
 NYS Cat A

TURNAROUND TIME:  
 STANDARD TAT

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ANALYSIS REQUESTED	LAB I.D. NO.	REMARKS:
7/10/02	1100	AR	HIMW-13D	5	ORGANIC: 2 INORG: 2 N-type: 1 Dissolved: 1 No. 504: 1 M-type: 1	0708641-1002	
7/10/02	1130	AR	HIMW-3T	5	ORGANIC: 2 INORG: 2 N-type: 1 Dissolved: 1 No. 504: 1 M-type: 1	0708641-1004	
7/10/02	1300	AR	HIMW-14T	10	ORGANIC: 2 INORG: 2 N-type: 1 Dissolved: 1 No. 504: 1 M-type: 1	0708641-1003 / 0708628-1002	
7/10/02	1435	AR	HIMW-10S	10	ORGANIC: 2 INORG: 2 N-type: 1 Dissolved: 1 No. 504: 1 M-type: 1	0708641-1001 / 0709638-1002	
			TB072607	4	ORGANIC: 2 INORG: 2 N-type: 1 Dissolved: 1 No. 504: 1 M-type: 1	0708641-1006	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kimberly Deed	7/10/02	1100	S.W.A	7-26-07	5:01
S.W.A	7-26-07	15:47	Kimberly Deed	7/10/02	15:47
S.W.A					

LABORATORY USE ONLY
Discrepancies Between Sample Labels and COC Record? Y or N Explain: 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 Taps wgs: 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

0

KEY-URS001

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

7/26/2007 3:47:00 PM

Work Order Number 0708641

Received by SHW

Checklist completed by

*[Signature]*  
Signature

7/26/07  
Date

Reviewed by

USA  
Initials

7/27/07  
Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted?

Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section below

Client contacted

Date contacted: \_\_\_\_\_

Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_

Regarding \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Corrective Action \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

KEY-URS001/001F A53

0

KEY-URS001F

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive 7/26/2007 3:47:00 PM

Work Order Number 0708638

Received by SHW

Checklist completed by [Signature] [Date: 7/26/07]

Reviewed by [Initials: JS] [Date: 7/27/07]

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

\_\_\_\_\_

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Corrective Action \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

KEY-URS001/001F A54



# H2M LABS, INC.

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

258C

## EXTERNAL CHAIN OF CUSTODY

<b>CLIENT:</b> URS CORP. H2M SDG NO: KEY-URS001		<b>Project Contact:</b> Mike Alexander Kim Fields <b>Phone Number:</b> 978-788-6700 908-447-4899 <b>PIS/Quote #</b>	
<b>NOTES:</b> * Hold Cyanide Analysis until Notification			
<b>ANALYSIS REQUESTED</b>		<b>LAB I.D. NO.</b>	
Sample Container Description 40ml Amber w/ 1.0 liter Amber 850ml Plastic w/ 1.0 liter Amber	ORGANIC BTEX PCBs PAHs	INORG. Metal CN	REMARKS: 0708713 - 001 0708713 - 002 0708713 - 003 0708713 - 004 0708713 - 005
DELIVERABLES: NYS CAT. 3A STANDARD	DATE 7/27/07 7/27/07 7/27/07 7/27/07	TIME 14:49 16:05	FIELD I.D. HIMW-131 HIMW-3D HIMW-135 FBO72707 TBO72707
TURNAROUND TIME: STANDARD	RECEIVED BY: (Signature) S. W. Edwards Received by: (Signature) S. W. Edwards	DATE 7/27/07 7/27/07	TIME 14:49 16:05
SAMPLERS: (signature)/Client K. M. J. / URS Corp	RECEIVED BY: (Signature) S. W. Edwards	DATE 7-27-07	TIME 16:05
RECEIVED BY: (Signature)	RECEIVED BY: (Signature)	DATE 7/27/07	TIME
RECEIVED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

WHITE URS001/0708713/07

**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. Property preserved: Y or N

COC Table VIBE:  
 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

C

KEY-URS001

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive 7/27/2007 4:05:00 PM

Work Order Number 0708713

Received by SHW

Checklist completed by [Signature] 7/27/07

Reviewed by [Initials] 7/29/07

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted NO

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: THE COLLECTION DATES WERE NOT WRITTEN ON EITHER OF CUSTODY.

Corrective Action \_\_\_\_\_

KEY-URS001/001F A70

# H2M LABS, INC.

**SDG NARRATIVE FOR VOLATILE ORGANICS**  
**SAMPLES RECEIVED: 7/24/07, 7/25/07, 7/26/07 & 7/27/07**  
**SDG #: KEY-URS001**

For Samples:

HIMW-1D	HIMW-14D	HIMW-12S	HIMW-13I
HIMW-15I	HIMW-15D	HIMW-13D	HIMW-13S
HIMW-19I	HIMW-3S	HIMW-14I	HIMW-3D
PZ-02	PZ-03	HIMW-3I	FB 072707
TRIP BLANK	TRIP BLANK	TRIP BLANK	TB072707

The above samples were analyzed for a specific list of volatile organic analytes according to the requirements of the New York State DEC ASP 2000 method 8260B with category A deliverable. Category B deliverables were requested on 10/18/07 and are included in this data package.

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-14D was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met except for the slightly high RPD's for toluene and benzene.
- Lab fortified blanks were analyzed. All percent recoveries were within Q.C. limits.

**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: August 9, 2007  
Revised Date: October 30, 2007

\*\*\*\*\*  
\*  \*  
\*  \*  
\*\*\*\*\*

Joann M. Slavin  
Senior Vice President

# H2M LABS, INC.

**SDG NARRATIVE FOR SEMIVOLATILE ANALYSES**  
**SAMPLE RECEIVED: 7/24/07, 7/25/07, 7/26/07 & 7/27/07**  
**SDG#: KEY-URS001**

For Sample:

HIMW-1D	HIMW-14D	HIMW-12S	HIMW-13I
HIMW-15I	HIMW-15D	HIMW-13D	HIMW-13S
HIMW-19I	HIMW-3S	HIMW-14I	HIMW-3D
PZ-02	PZ-03	HIMW-3I	FB 072707

The above samples were analyzed for the STARS list of semivolatile organic analytes by EPA method 8270C in accordance with NYSDEC ASP 2000 and reported with category A deliverables. The client requested a category B package on 10/18/07, which is submitted.

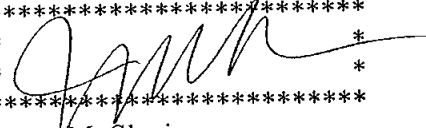
Sample HIMW-14D was analyzed as the matrix spike/matrix spike duplicate. The matrix spike sample was inadvertently not spiked with the matrix spike solution. The matrix spike was re-extracted with acceptable recoveries. Since the re-extract was performed within holding times only the re-extract was reported.

Benzo(b)fluoranthene had a %RSD greater than 20.5% in the initial calibration . Benzo(k)fluoranthene had a % D greater than 25% on 7/30/07 and 8/2/07 in the continuing calibrations.

**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: August 6, 2007  
Revised Date: November 1, 2007

\*\*\*\*\*  
\*  
\*  
\*\*\*\*\*

  
Joann M. Slavin  
Senior Vice President

KEY-URS001/001F S72

7D

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001Instrument ID: HP5972 Calibration Date: 7/30/07 Time: 9:58Lab File ID: A\C36591.D Init. Calib. Date(s): 06/20/07 06/20/07EPA Sample No. (SSTD050##): SSTD025 Init. Calib. Times: 12:56 15:59GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Naphthalene	1.000	1.027	0.700	2.7	25.0
2-Methylnaphthalene	0.623	0.671	0.400	7.8	25.0
Acenaphthylene	1.882	1.976	1.300	5.0	25.0
Acenaphthene	1.165	1.169	0.800	0.4	25.0
Fluorene	1.326	1.458	0.900	10.0	25.0
Phenanthrene	1.279	1.299	0.700	1.6	25.0
Anthracene	1.368	1.506	0.700	10.1	25.0
Fluoranthene	1.158	1.265	0.600	9.2	25.0
Pyrene	1.517	1.438	0.600	-5.2	25.0
Benzo(a)anthracene	1.266	1.329	0.800	5.0	25.0
Chrysene	1.138	1.209	0.700	6.2	25.0
Benzo(b)fluoranthene	1.464	1.343	0.700	-8.3	25.0
Benzo(k)fluoranthene	0.988	1.327	0.700	34.4	25.0
Benzo(a)pyrene	1.081	1.151	0.700	6.5	25.0
Indeno(1,2,3-cd)pyrene	1.200	1.064	0.500	-11.3	25.0
Dibenzo(a,h)anthracene	1.001	0.858	0.400	-14.3	25.0
Benzo(g,h,i)perylene	1.017	0.772	0.500	24.1	25.0

11/14/07 m

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV- 1

OLM04.2

KEY-URS001 B120

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-URS001  
 Lab File ID: A\C36590.D DFTPP Injection Date: 07/30/07  
 Instrument ID: HP5972 DFTPP Injection Time: 9:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	56.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	77.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.6
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	6.1
275	10.0 - 30.0% of mass 198	22.1
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than mass 443	6.6
442	40.0 - 110.0% of mass 198	49.1
443	17.0 - 23.0% of mass 442	10.5 (21.4)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	AIC36591.D	07/30/07	9:58
02	MB-21870	MB-21870	AIC36607.D	07/30/07	18:02
03	LFB-21870	LFB-21870	AIC36608.D	07/30/07	18:31
04	LCS-21870	LCS-21870	AIC36609.D	07/30/07	19:01
05	HIMW-1D	0708517-001B	AIC36610.D	07/30/07	19:31
06	HIMW-15I	0708517-002B	AIC36611.D	07/30/07	20:00
07	HIMW-19I	0708517-003B	AIC36612.D	07/30/07	20:30
08	PZ-02	0708517-004B	AIC36613.D	07/30/07	20:59

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-URS001  
 Lab File ID: A\C36653.D DFTPP Injection Date: 08/02/07  
 Instrument ID: HP5972 DFTPP Injection Time: 10:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	80.4
70	Less than 2.0% of mass 69	0.9 (1.2)1
127	40.0 - 60.0% of mass 198	50.3
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	5.2
275	10.0 - 30.0% of mass 198	21.1
365	Greater than 1.0% of mass 198	3.0
441	Present, but less than mass 443	8.6
442	40.0 - 110.0% of mass 198	48.9
443	17.0 - 23.0% of mass 442	8.7 (17.9)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	\C36655C.D	08/02/07	10:58
02	MB-21920	MB-21920	AIC36667.D	08/02/07	17:01
03	LFB-21920	LFB-21920	AIC36668.D	08/02/07	17:31
04	LCS-21920	LCS-21920	AIC36669.D	08/02/07	18:00
05	HIMW-13I	0708713-001B	AIC36670.D	08/02/07	18:30
06	HIMW-13S	0708713-002B	AIC36671.D	08/02/07	18:59
07	HIMW-3D	0708713-003B	AIC36672.D	08/02/07	19:29
08	FB 072707	0708713-004B	AIC36673.D	08/02/07	19:58
09	HIMW-14DMS	0708594-001BMS	AIC36674.D	08/02/07	20:28

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS001  
 Instrument ID: HP5972 Calibration Date: 8/2/07 Time: 10:58  
 Lab File ID: \C36655C.D Init. Calib. Date(s): 06/20/07 06/20/07  
 EPA Sample No. (SSTD050##): SSTD025 Init. Calib. Times: 12:56 15:59  
 GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Naphthalene	1.000	1.020	0.700	2.0	25.0
2-Methylnaphthalene	0.623	0.652	0.400	4.7	25.0
Acenaphthylene	1.882	1.978	1.300	5.1	25.0
Acenaphthene	1.165	1.179	0.800	1.2	25.0
Fluorene	1.326	1.453	0.900	9.6	25.0
Phenanthrene	1.279	1.330	0.700	4.0	25.0
Anthracene	1.368	1.458	0.700	6.6	25.0
Fluoranthene	1.158	1.228	0.600	6.1	25.0
Pyrene	1.517	1.440	0.600	-5.1	25.0
Benzo(a)anthracene	1.266	1.304	0.800	3.0	25.0
Chrysene	1.138	1.272	0.700	11.7	25.0
Benzo(b)fluoranthene	1.464	1.314	0.700	-10.2	25.0
Benzo(k)fluoranthene	0.988	1.258	0.700	27.4	25.0
Benzo(a)pyrene	1.081	1.119	0.700	3.5	25.0
Indeno(1,2,3-cd)pyrene	1.200	1.393	0.500	16.1	25.0
Dibenzo(a,h)anthracene	1.001	1.163	0.400	16.2	25.0
Benzo(g,h,i)perylene	1.017	1.139	0.500	12.0	25.0

*11/4/07*

All other compounds must meet a minimum RRF of 0.010.



# H2M LABS, INC.

## SDG NARRATIVE FOR ANALYSIS OF DISSOLVED GASES SAMPLES RECEIVED: 7/24/07 - 7/25/07 SDG #: KEY-URS001

For Samples:

HIMW-15I	TRIP BLANK
TRIP BLANK	HIMW-12S
HIMW-14D MS/MSD	HIMW-14I
HIMW-15D	TRIP BLANK

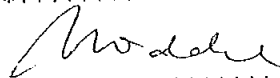
The above water samples were analyzed for methane according to the requirements of method RSK-175. The method employs analysis of headspace with back-calculation of the water concentration by means of the Henry's law.

All QC data and the calibrations met the requirements of the protocol. The following should be noted:

- Sample HIMW-14D was analyzed as the matrix spike/matrix spike duplicate. QC limits for the recovery data do not apply due to the high concentration of the sample.
- Recovery for the lab fortified blank (LFB) were within acceptance limits.
- The methane concentration in four samples, HIMW-15I, HIMW-14D, HIMW-15D, and HIMW-14I, exceeded the calibration range, and the samples were reanalyzed at a dilution. Both sets of data are reported.
- No values under the quantification limit are reported for methane.

**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: October 30, 2007

\*\*\*\*\*  
\*  \*  
\*\*\*\*\*

Ursula Middel  
Technical Manager

KEY-URS001/001F S70

U.S. EPA - CLP

6  
DUPLICATES

EPA SAMPLE NO

HIMW-14D

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478 Case No.

SAS No.:

SDG No.: KEY-URS0

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Iron		5617.5100		7542.5900		29.3	*	P

*11/14/07*

# H2M LABS, INC.

**SDG NARRATIVE FOR DISSOLVED METALS  
SAMPLES RECEIVED: 7/24/06, 7/25/06 & 7/26/07  
SDG#: KEY-URS001F**

For Samples:

HIMW-15I  
HIMW-14D  
HIMW-15D  
HIMW-12S  
HIMW-14I

Five water samples were received by H2M Labs, Inc. on 7/24/06, 7/25/06 and 7/26/07 for dissolved iron analysis.

Samples were prepared and analyzed using EPA method 6010B with a TJA 61E Trace ICP Instrument.

Sample HIMW-14D was utilized for QC analysis and reporting.

No problems were noted during the analysis of this sample group.

**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: August 8, 2007

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\*  
\*  
\*\*\*\*\*  
Vincent Stancampiano  
Vice President

U.S. EPA - CLP

3  
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
	C		1	C	2	C	3	C	C		
Iron	5.6	B	12.5	B	3.8	B	4.3	B	1.872	U	P

U.S. EPA - CLP

3  
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS001

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Iron			6.4	B	12.2	B				P	





# H2M LABS, INC.

**SDG NARRATIVE FOR WET CHEMISTRY  
SAMPLES RECEIVED: 7/24/07, 7/25/07 & 7/26/07  
SDG: KEY-URS001**

For Samples:

HIMW-15I  
HIMW-14D  
HIMW-15D  
HIMW-12S  
HIMW-14I

Five water samples were received by H2M Labs, Inc. on 7/24/07, 7/25/07 and 7/26/07 for select wet chemistry analysis.

Samples were prepared and analyzed using the following methods:

Alkalinity	EPA 310.1
Carbon Dioxide - Dissolved	STDM 4500 CO2D
Nitrate/Nitrite	EPA 353.2
Heterotrophic plate count	STDM 9215B
Sulfate	EPA 375.4

Sample HIMW-14D was utilized for QC analysis and reporting.

No problems were noted during the analysis of this sample group.

**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: August 3, 2007

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\*  
\*  
\*\*\*\*\*

Vincent Stancampiano  
Vice President



# HLM LABS, INC.

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

# EXTERNAL CHAIN OF CUSTODY

2502

PROJECT NAME/NUMBER  
 KeySpan - Hempstead Intersection

SAMPLERS: (signature)/Client  
 Kingsteeb/URS Corp.

CLIENT: URS Corporation

H2M SDG NO: KOL-URSD02

Project Contact:  
 M. E. Akersberg  
 Kim Hicks  
 Phone Number:  
 973-785-0700  
 908-447-4899  
 PIS/Quote #

NOTES:  
 \* Hold Cyaside  
 Analysis until  
 Notification

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ANALYSIS REQUESTED				LAB I.D. NO.	REMARKS:
					ORGANIC	INORG.	Metals	Other		
7/31/07	10:00	AS	HIMW-8D	5	OTEX	1	1	1	0708808-004	
7/31/07	12:00	AS	HIMW-5D	5	OTEX	1	1	1	0708808-004	
7/31/07	14:00	AS	HIMW-4S	12	OTEX	1	1	1	0708808-002	
7/31/07	14:15	AS	HIMW-200S	12	OTEX	1	1	1	0708808-002	
7/31/07	15:00	AS	HIMW-12D	12	OTEX	1	1	1	0708808-001	
7/31/07	16:30	AS	TBO73107	4	OTEX	1	1	1	0708808-001	
7/31/07	16:30	AS	HIMW-5S	5	OTEX	1	1	1	0708808-005	

DELIVERABLES:  
 NYS CAT A  
 TURNAROUND TIME:  
 STANDARD

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Kingsteeb</i>	7/31/07	15:20	<i>S. W. King</i>	7-31-07	15:20
<i>Kingsteeb</i>	7-31-07	16:00	<i>Kingsteeb</i>	7-31-07	16:00
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 Table 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

PINK COPY - LABORATORY

YELLOW COPY - CLIENT

KW/HT/RS/002/007/HT/RS/001

H2M LABS, INC.

KEY-URS002

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

7/31/2007 4:00:00 PM

Work Order Numbe 0708808

Received by

SHW

Checklist completed by

*[Signature]* 7/31/07  
Signature Date

Reviewed by

*[Initials]* 8/1/07  
Initials Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Corrective Action \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

KEY-URS002/002F S29

0

KEY-URS002F

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

7/31/2007 4:00:00 PM

Work Order Number 0708809

Received by SHW

Checklist completed by

[Signature] 7/31/07  
Signature Date

Reviewed by

[Initials] 8/1/07  
Initials Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

-----

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Corrective Action \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

KEY-URS002/002F S30



H2M LABS, INC.

KEY-URS002

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive 7/30/2007 4:55:00 PM

Work Order Number 0708763

Received by SHW

Checklist completed by

Signature

*[Handwritten Signature]* 7/30/07

Date

Reviewed by

Initials

*[Handwritten Initials: JSA]* 7/31/07

Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_

Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section below

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

KEY-URS002/002F S12

2

KEY-URS-002F

H2M LABS, INC.

### Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive 7/30/2007 4:55:00 PM

Work Order Numbe 0708764

Received by SHW

Checklist completed by [Signature] 7/30/07  
Signature Date

Reviewed by [Initials] 7/31/07  
Initials Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_

Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Corrective Action \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

KEY-URS002/002F S13

# HLM LABS, INC.

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

25003

## EXTERNAL CHAIN OF CUSTODY

PROJECT NAME/NUMBER

KeySpan - Heptane Interlock

SAMPLERS: (signature)/Client

Timothy Stibb / KRS Corp

CLIENT: URS Corporation H2M SDG NO: KOU-URS03

NOTES: Add Gravimetric Analysis and Notification

Project Contact: Mike A. Deerp

Phone Number: 073-755-0900

PIS/Quote #

DELIVERABLES:

NYS Cat. A

TURNAROUND TIME:

STANDARD

DATE	TIME	MATRIX	FIELD I.D.	ANALYSIS REQUESTED				LAB I.D. NO.	REMARKS:
				ORGANIC	INORG	Method	Containers		
8/1/07	950		HIMW-8I	✓	✓	✓	3	07008970-002	
	1015		HIMW-9I	✓	✓	✓	3	07008970-005	
	1150		HIMW-8S	✓	✓	✓	3	07008970-002	
	1230		HIMW-90	✓	✓	✓	3	07008970-004	
	1300		HIMW-201S	✓	✓	✓	3	07008970-002	
	1710		TR080107	✓	✓	✓	2	07008970-007	
			HIMW-9S	✓	✓	✓	3	07008970-006	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	8/1/07	1508	<i>[Signature]</i>	8/1/07	1520
<i>[Signature]</i>	8/1/07	3:55	<i>[Signature]</i>	8/1/07	1525
<i>[Signature]</i>					
<i>[Signature]</i>					

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

Samples were:  
 1. Shipped or Hand Delivered: \_\_\_ Arbitrator: \_\_\_  
 2. Ambient or chilled, Temp. \_\_\_  
 3. Received in good condition: Y or N  
 4. Properly preserved: Y or N

COC Issues were:  
 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

H2M LABS, INC.

9

Key-URS002

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

8/1/2007 3:45:00 PM

Work Order Numbe 0708870

Received by CAM

Checklist completed by

*[Handwritten Signature]* *[Handwritten Date: 8/1/07]*

Signature

Date

Reviewed by

*[Handwritten Initials: SA]* *[Handwritten Date: 8/3/07]*

Initials

Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

-----

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Corrective Action \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

KEY-URS002/002F S46





Key-URS02

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive 8/3/2007 3:49:00 PM

Work Order Number 0708977

Received by CAM

Checklist completed by [Signature] 8/3/07  
Signature Date

Reviewed by [Initials] 8/6/07  
Initials Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section below

Client contacted YES Date contacted: 8/6/07 Person contacted Kim Hicks

Contacted by: [Signature] Regarding \_\_\_\_\_

Comments: WE NEVER RECEIVED SAMPLES H1M4-2I, 11I, 2D, 11D.

Corrective Action \_\_\_\_\_

KEY-URS002/002F S54

C

Key-URS 002F

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

8/3/2007 3:49:00 PM

Work Order Number 0708978

Received by CAM

Checklist completed by

*[Signature]*

Signature

*8/3/07*

Date

Reviewed by

*CA*

Initials

*8/6/07*

Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

-----

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Corrective Action \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

KEY-URS002/002F S55

# H2M LABS, INC.

**SDG NARRATIVE FOR VOLATILE ORGANICS  
SAMPLES RECEIVED: 7/30/07, 7/31/07, 8/1/07 & 8/3/07  
SDG #: KEY-URS002**

For Samples:

HIMW-12I	HIMW-201S
HIMW-5I	HIMW-8I
TB073007	HIMW-8S
HIMW-12D	HIMW-9D
HIMW-20OS	HIMW-9I
HIMW-4S	HIMW-9S
HIMW-5D	TB 080107
HIMW-5S	HIMW-10D
HIMW-8D	HIMW-18I
TB 073107	TB080307

The above samples were analyzed for a specific list of volatile organic analytes according to the requirements of the New York State DEC ASP 2000 method 8260B with category A deliverable. Category B deliverables were requested on 10/18/07 and are included in this data package.

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-10D was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met.
- Lab fortified blanks were analyzed. All percent recoveries were within Q.C. limits.

**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: August 15, 2007  
Revised Date: November 2, 2007

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\*  \*  
\* \*  
\*\*\*\*\*

Joann M. Slavin  
Senior Vice President

KEY-URS002/002F S72

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-URS002  
 Lab File ID: 7\P37222.D BFB Injection Date: 08/03/07  
 Instrument ID: HP5970-3 BFB Injection Time: 11:59  
 GC Column: R-502.2 ID: .53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
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	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	58.5
175	5.0 - 9.0% of mass 174	4.4 (7.5)1
176	95.0 - 101.0% of mass 174	57.2 (97.8)1
177	5.0 - 9.0% of mass 176	4.0 (7.0)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	7P37223.D	08/03/07	12:17
02	VBLK080307 ✓	VBLK080307	7P37224.D	08/03/07	12:51
03	HIMW-8D ✓	0708808-006A	7P37226.D	08/03/07	13:59
04	TB 073107 ✓	0708808-007A	7P37227.D	08/03/07	14:33
05	TB 080107 ✓	0708870-007A	7P37238.D	08/03/07	20:50
06	HIMW-201S ✓	0708870-001A	7P37239.D	08/03/07	21:24
07	HIMW-8I ✓	0708870-002A	7P37240.D	08/03/07	21:58
08	HIMW-8S ✓	0708870-003A	7P37241.D	08/03/07	22:32
09	HIMW-9D ✓	0708870-004A	7P37242.D	08/03/07	23:06
10	HIMW-9I ✓	0708870-005A	7P37243.D	08/03/07	23:41

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS002  
Instrument ID: HP5970-3 Calibration Date: 08/03/07 Time: 12:17  
Lab File ID: 7\p37223.D Init. Calib. Date(s): 08/02/07 08/02/07  
EPA Sample No. (VSTD050##): VSTD050 Init. Calib. Times: 17:43 20:00  
Heated Purge: (Y/N) N  
GC Column: R-502.2 ID: .53 (mm)

COMPOUND	RRF		MIN	%D	
	RRF	RRF50	RRF	%D	%D
Benzene	0.952	1.185	0.500	24.4	25.0
Toluene	1.297	1.509	0.400	16.3	25.0
Ethylbenzene	0.431	0.545	0.100	26.5	25.0
Xylene (total)	0.529	0.629	0.300	19.0	25.0

11/15/07  
Dr

All other compounds must meet a minimum RRF of 0.010.

# H2M LABS, INC.

**CASE NARRATIVE FOR BASE/NEUTRAL EXTRACTABLES**  
**SAMPLES RECEIVED: 7/30/07, 7/31/07, 8/1/07 & 8/3/07**  
**SDG #: KEY-URS002**

For Samples:

HIMW-12I	HIMW-5S	HIMW-9I
HIMW-5I	HIMW-8D	HIMW-9S
HIMW-12D	HIMW-201S	HIMW-10D
HIMW-20OS	HIMW-8I	HIMW-18I
HIMW-4S	HIMW-8S	
HIMW-5D	HIMW-9D	

The above samples were analyzed for a select list of semi-volatile analytes by EPA method 8270C in accordance with the NYSDEC ASP, category A Rev. 6/2000. The client requested a category B package on 10/18/07, which is submitted.

All QC data and calibrations met the acceptance limits, and no problems were found with sample analyses. The following should be noted:

- The RSD in the initial calibration for benzo(b)fluoranthene exceeded 20.5% but met the acceptance limit of 40%.
- Samples HIMW-5I, HIMW-5D and HIMW-18I were reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted.
- Sample HIMW-10D was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met. 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: August 15, 2007  
Revised Date: November 1, 2007

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\* \*  
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Joann M. Slavin  
Senior Vice President

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-URS002  
 Lab File ID: A\C36751.D DFTPP Injection Date: 08/07/07  
 Instrument ID: HP5972 DFTPP Injection Time: 10:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.2
68	Less than 2.0% of mass 69	0.5 (0.7)1
69	Mass 69 relative abundance	83.9
70	Less than 2.0% of mass 69	0.4 (0.5)1
127	40.0 - 60.0% of mass 198	54.8
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	6.5
275	10.0 - 30.0% of mass 198	22.9
365	Greater than 1.0% of mass 198	3.0
441	Present, but less than mass 443	7.0
442	40.0 - 110.0% of mass 198	47.8
443	17.0 - 23.0% of mass 442	9.2 (19.3)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	AIC36752.D	08/07/07	10:56
02	MB-21982	MB-21982	AIC36753.D	08/07/07	11:28
03	LFB-21982	LFB-21982	AIC36754.D	08/07/07	11:58
04	HIMW-12I ✓	0708763-001B	AIC36755.D	08/07/07	12:27
05	HIMW-5I ✓	0708763-002B	AIC36756.D	08/07/07	12:57
06	HIMW-12D ✓	0708808-001B	AIC36757.D	08/07/07	13:27
07	HIMW-20OS ✓	0708808-002B	AIC36758.D	08/07/07	13:57
08	HIMW-4S ✓	0708808-003B	AIC36759.D	08/07/07	14:27
09	HIMW-5D ✓	0708808-004B	AIC36760.D	08/07/07	14:57
10	HIMW-5S ✓	0708808-005B	AIC36761.D	08/07/07	15:27
11	HIMW-8D ✓	0708808-006B	AIC36762.D	08/07/07	15:56
12	HIMW-5IDL ✓	0708763-002BDL	AIC36763.D	08/07/07	16:36
13	HIMW-5DDL ✓	0708808-004BDL	AIC36764.D	08/07/07	17:06
14	MB-22006	MB-22006	AIC36765.D	08/07/07	18:51
15	LFB-22006	LFB-22006	AIC36766.D	08/07/07	19:21
16	HIMW-201S	0708870-001B	AIC36767.D	08/07/07	19:50
17	HIMW-8I ✓	0708870-002B	AIC36768.D	08/07/07	20:20
18	HIMW-8S ✓	0708870-003B	AIC36769.D	08/07/07	20:50
19	HIMW-9D ✓	0708870-004B	AIC36770.D	08/07/07	21:20



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-URS002  
Lab File ID: A\C36751.D DFTPP Injection Date: 08/07/07  
Instrument ID: HP5972 DFTPP Injection Time: 10:40

20	HIMW-9I	0708870-005B	AIC36771.D	08/07/07	21:50
21	HIMW-9S	0708870-006B	AIC36772.D	08/07/07	22:19

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS002Instrument ID: HP5972Calibration Date: 8/7/07Time: 10:56Lab File ID: A\C36752.DInit. Calib. Date(s): 06/20/07 06/20/07EPA Sample No. (SSTD050##): SSTD025Init. Calib. Times: 12:56 15:59GC Column: R-5SILMSID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Naphthalene	1.000	0.989	0.700	-1.1	25.0
2-Methylnaphthalene	0.623	0.668	0.400	7.3	25.0
Acenaphthylene	1.882	1.988	1.300	5.6	25.0
Acenaphthene	1.165	1.183	0.800	1.6	25.0
Fluorene	1.326	1.449	0.900	9.3	25.0
Phenanthrene	1.279	1.339	0.700	4.8	25.0
Anthracene	1.368	1.562	0.700	14.2	25.0
Fluoranthene	1.158	1.312	0.600	13.3	25.0
Pyrene	1.517	1.408	0.600	-7.2	25.0
Benzo(a)anthracene	1.266	1.310	0.800	3.5	25.0
Chrysene	1.138	1.113	0.700	-2.2	25.0
Benzo(b)fluoranthene	1.464	1.422	0.700	-2.9	25.0
Benzo(k)fluoranthene	0.988	0.948	0.700	-4.0	25.0
Benzo(a)pyrene	1.081	1.182	0.700	9.3	25.0
Indeno(1,2,3-cd)pyrene	1.200	1.442	0.500	20.2	25.0
Dibenzo(a,h)anthracene	1.001	1.175	0.400	17.4	25.0
Benzo(g,h,i)perylene	1.017	1.190	0.500	17.0	25.0

11/15/07

All other compounds must meet a minimum RRF of 0.010.

# H2M LABS, INC.

**SDG NARRATIVE FOR ANALYSIS OF DISSOLVED GASES**  
**SAMPLES RECEIVED: 7/30/07 – 8/3/07**  
**SDG #: KEY-URS002**

For Samples:

HIMW-12I	HIMW-4S
TB073007	TB 073107
HIMW-12D	HIMW-10D MS/MSD
HIMW-20QS	HIMW-18I

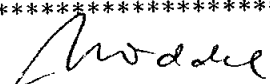
The above water samples were analyzed for methane according to the requirements of method RSK-175. The method employs analysis of headspace with back-calculation of the water concentration by means of the Henry's law.

All QC data and the calibrations met the requirements of the protocol. The following should be noted:

- Sample HIMW-10D was analyzed as the matrix spike/matrix spike duplicate. Recoveries were within acceptance limits.
- The methane concentration in sample HIMW-12I exceeded the calibration range, and the sample was reanalyzed at a dilution. Both sets of data are reported.
- No values under the quantification limit are reported for methane.

**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: October 30, 2007

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Ursula Middel  
Technical Manager

# H2M LABS, INC.

**SDG NARRATIVE FOR METALS  
SAMPLES RECEIVED: 7/30/07, 7/31/07 & 8/3/07  
SDG#: KEY-URS002**

For Samples:

HIMW-12I  
HIMW-12D  
HIMW-20OS  
HIMW-4S  
HIMW-10D  
HIMW-18I

Six water samples were received by H2M Labs, Inc. on 7/30/07, 7/31/07 and 8/3/07 for total iron analysis.

Samples were prepared and analyzed using EPA method 6010B with a TJA 61E Trace ICP Instrument.

Sample HIMW-10D was utilized for QC analysis and reporting.

Spike analysis did not recover within acceptance ranges for iron. The sample was post spiked, reanalyzed and recovered at 128.8 %. Iron data was reported flagged "N" on Forms 1 and 5a.

Duplicate analysis did not reproduce within acceptance ranges for iron. Iron data was reported flagged "\*" on Forms 1 and 6.

No other issues were noted during the analysis of this sample group.

**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: August 22, 2007

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\*  
\* *V. Stancampiano* \*  
\*\*\*\*\*

Vincent Stancampiano  
Vice President

*NRC*

KEY-URS002/002F S74

U.S. EPA - CLP

5A  
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

HIMW-10DS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478 Case No.

SAS No.:

SDG No.: KEY-URS002

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Iron	75-125	2408.4600	929.4400	1000.00	147.9	N	P

*11/15/07*

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

U.S. EPA - CLP

6  
DUPLICATES

EPA SAMPLE NO

HIMW-10D

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS0

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Iron		929.4400		1445.4900		43.5	*	P

*11/15/07*

# H2M LABS, INC.

**SDG NARRATIVE FOR DISSOLVED METALS  
SAMPLES RECEIVED: 7/30/07, 7/31/07 & 8/3/07  
SDG#: KEY-URS002F**

For Samples:

HIMW-12I  
HIMW-12D  
HIMW-20OS  
HIMW-4S  
HIMW-10D  
HIMW-18I

Six water samples were received by H2M Labs, Inc. on 7/30/07, 7/31/07 and 8/3/07 for dissolved iron analysis.

Samples were prepared and analyzed using EPA method 6010B with a TJA 61E Trace ICP Instrument.

Sample HIMW-10D was utilized for QC analysis and reporting.

No problems were noted during the analysis of this sample group.

**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: August 9, 2007

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\*\*\*\*\*  
Vincent Stancampiano  
Vice President

KEY-URS002/002F S75

U.S. EPA - CLP

3  
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C	C		
Iron	4.5	B	10.2	B	3.4	B	4.6	B	1.872	U	P



U.S. EPA - CLP

3  
BLANKS

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: KEY-URS002

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Iron			17.6	B							P

U.S. EPA - CLP

14  
ANALYSIS RUN LOG

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478 Case No.

SAS No.:

SDG No.: KEY-URS002

Instrument ID Number: TJA61EA

Method: P

Start Date: 08/08/2007

End Date: 08/09/2007

EPA Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
50	1.00	1745		X					X			X	X																		
	1.00	1753																													
	1.00	1758										X																			
	1.00	1804																													
	1.00	1810																													
	1.00	1816											X																		
	1.00	1822																													
CV	1.00	1826										X																			
CV	1.00	1834										X																			
CB 4.5	1.00	1841										X																			
CI	1.00	1849																													
SA	1.00	1856		X					X			X	X																		
SAB	1.00	1904		X					X			X	X																		
CV	1.00	1911										X																			
CV	1.00	1919										X																			
CB 10.2	1.00	1927										X																			
CV	1.00	1934										X																			
WF	1.00	1942										X																			
WF	1.00	1949										X																			
WF	1.00	1957										X																			
W	1.00	2004										X																			
W-12I	1.00	2012										X																			
W-12D	1.00	2019										X																			
W-200S-	1.00	2027										X																			
W-4S	1.00	2034										X																			
W-10D	1.00	2042										X																			
	1.00	2049										X																			
	1.00	2057										X																			
	1.00	2104										X																			
W-10DD	1.00	2112										X																			
W-10DS	1.00	2119										X																			
W-10DL	5.00	2127										X																			
W-18I	1.00	2134										X																			
ZZ	1.00	2142																													
ZZ	1.00	2149																													

U.S. EPA - CLP

14  
ANALYSIS RUN LOG

Company: H2M LABS, INC.

Contract:

Case No.: 10478

SAS No.:

SDG No.: KEY-URS002

Instrument ID Number: TJA61EA

Method: P

Date: 08/08/2007

End Date: 08/09/2007

D/F	Time	% R	Analytes																								
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S G	A A	N L	T L	V	Z N	C N	
1.00	2157																										
1.00	2204																										
1.00	2212																										
1.00	2219																										
1.00	2227																										
1.00	2234																										
1.00	2242																										
1.00	2250																										
1.00	2257																										
1.00	2305																										
5.00	2312																										
1.00	2320																										
1.00	2327																										
1.00	2335									X					X		X										
1.00	2342									X					X		X										
1.00	2350														X												
1.00	2357														X												
1.00	0005														X												

# H2M LABS, INC.

**SDG NARRATIVE FOR WET CHEMISTRY  
SAMPLES RECEIVED: 7/30/07, 7/31/07 & 8/3/07  
SDG: KEY-URS002**

For Samples:

HIMW-12I  
HIMW-12D  
HIMW-20OS  
HIMW-4S  
HIMW-10D  
HIMW-18I

Six water samples were received by H2M Labs, Inc. on 7/30/07, 7/31/07 & 8/3/07 for select wet chemistry analysis.

Samples were prepared and analyzed using the following methods:

Alkalinity	EPA 310.1
Free Carbon Dioxide	STDM 4500 CO2D
Nitrate/Nitrite	EPA 353.2
Heterotrophic plate count	STDM 9215B
Sulfate	EPA 375.4

Sample HIMW-10D was utilized for QC analysis and reporting.

Samples were diluted as required to keep instrument readings within calibration ranges.

No problems were noted during the analysis of this sample group.

**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: August 15, 2007

\*\*\*\*\*  
\*  
\*  
\*\*\*\*\*  
Vincent Stancampiano  
Vice President

KEY-URS002/002F S76

QC SUMMARY REPORT

SDG: KEY-URS002

Sample ID:	Client Sample ID:	Analyte	Result	Units	Spike Amount	Sample Result	%REC	Recovery Limits	RPDRef Value	%RPD	UCL
MB1-080307	MB1-080307	Nitrite as N	< 0.1	mg/L							
LCS1-080307	LCS1-080307	Nitrite as N	1.02	mg/L	1	< 0.1	102	80 120			
0708977-001DMS	HIMW-10DMS	Nitrite as N	0.51	mg/L	0.5	< 0.1	102	75 125			
0708977-001DDUP	HIMW-10DDUP	Nitrite as N	< 0.1	mg/L					< 0.1		20
MB-080107	MB-080107	Nitrite as N	< 0.1	mg/L							
LCS-080107	LCS-080107	Nitrite as N	1.02	mg/L	1	< 0.1	102	80 120			
MB-073107	MB-073107	Nitrite as N	< 0.1	mg/L							
LCS-073107	LCS-073107	Nitrite as N	1.02	mg/L	1	< 0.1	102	80 120			
MB-080307	MB-080307	Standard Plate Count	< 1	CFU/mL							
MB-073107	MB-073107	Standard Plate Count	< 1	CFU/mL							
MB-073007	MB-073007	Standard Plate Count	< 1	CFU/mL							
0708977-001FDUP	HIMW-10DDUP	Standard Plate Count	85	CFU/mL					120	33.0	20
MB080707	MB080707	Sulfate	< 5	mg/L							
LCS-080707	LCS-080707	Sulfate	19.1	mg/L	20	< 5	96	80 120			
0708977-001Dms	HIMW-10DMS	Sulfate	71.2	mg/L	50	22.0	98	75 125			
0708977-001Ddup	HIMW-10DDUP	Sulfate	21.8	mg/L					22.0	1.1	20
MB-080107	MB-080107	Sulfate	< 5	mg/L							
LCS-080107	LCS-080107	Sulfate	19.9	mg/L	20	< 5	100	80 120			

11/16/2011

# H M LABS, INC.

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

25924

## EXTERNAL CHAIN OF CUSTODY

KEY-URS003F

PROJECT NAME/NUMBER

KeySpan - Hempstead Int.

SAMPLERS: (signature)/Client

*Timothy...*

DELIVERABLES:

URS DATA

TURNAROUND TIME:

STANDARD

CLIENT: URS Corporation		H2M SDG NO: KEY-URS003F					
Project Contact: Mike Akerbo		Phone Number: 978-728-0202					
PIS/Quote #		NOTES: * Hold by Akerbo Analysis Unit, 1 Notification.					
Sample Container Description	Total No. of Containers	ANALYSIS REQUESTED				LAB I.D. NO.	REMARKS:
		ORGANIC	INORG.	Metals	Rate Cont.		
401 Akerbo	6					0708926 -035	
401 Akerbo	5					0708926 -004	
401 Akerbo	5					0708926 -003	
401 Akerbo	6					0708926 -004	
401 Akerbo	12					0708926 -001/0708926-01	
401 Akerbo	12					0708926 -002/0708926-02	
401 Akerbo	12					0708926 -003/0708926-03	
401 Akerbo	4					0708926 -004	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Timothy...</i>	8/26/07	3:20	<i>Ken...</i>	8/26/07	3:20
<i>Ken...</i>	8/26/07	4:00	<i>Ken...</i>	8/26/07	10:40
<i>Ken...</i>			<i>Ken...</i>		
<i>Ken...</i>			<i>Ken...</i>		

### 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. Property preserved: Y or N \_\_\_

COC Table 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  
 KEY-URS003/003F S12

YELLOW COPY - CLIENT

PINK COPY - LABORATORY



Key-URS003

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

8/2/2007 4:40:00 PM

Work Order Numbe 0708926

Received by

CAM

Checklist completed by

*[Signature]*

8/2/07

Reviewed by

*[Signature]*

8/3/07

Signature

Date

Initials

Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- 1 samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

-----

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

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Corrective Action \_\_\_\_\_

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H2M LABS, INC.

*O*

*Key-URS003F*

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

8/2/2007 4:40:00 PM

Work Order Number 0708929

Received by

CAM

Checklist completed by

*[Signature]*  
Signature

*8/2/07*  
Date

Reviewed by

*JSA*  
Initials

*8/3/07*  
Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? Yes  No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section below

-----

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Corrective Action \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

KEY-URS003/003F S14



# F2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076

Tel: (631) 694-3040 Fax: (631) 420-8436

PROJECT NAME/NUMBER

*KeySpan - Hempstead Interactions*

SAMPLERS: (signature)/Client

*Emily [Signature] / URS Corp*

DELIVERABLES:

*NYS CAT-A*

TURNAROUND TIME:

DATE	TIME	MATRIX	FIELD I.D.	LAB I.D. NO.	REMARKS:
8/5/07	1740		HEMW-07I	07089930	KEY-URS 003
	1810		HEMW-17I		
8/6/07	1000		HEMW-20		
	1055		HEMW-11D		
	1300		HEMW-10D	07089977-001	KEY-URS 002
	1310		HEMW-10D-MS	-001	
	1320		HEMW-10D-MSD	-001	
	1500		HEMW-18I	-003	
				-002	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	8/5/07	3:10	<i>[Signature]</i>	8/13/07	3:10
<i>[Signature]</i>	8/13/07	15:59	<i>[Signature]</i>	8/13/07	15:08
<i>[Signature]</i>			<i>[Signature]</i>		
<i>[Signature]</i>			<i>[Signature]</i>		

CLIENT: *URS Corporation*

PROJECT CONTACT: *Mike Akers*

PHONE NUMBER: *978-785-0700*

PIS/QUOTE #

NOTES: *\* Hold Samples Analysis until notified*

ANALYSIS REQUESTED	LAB I.D. NO.	REMARKS:
ORGANIC		
INORG.		

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

LABORATORY USE ONLY

Samples were:

- Shipped or Hand Delivered
- Ambient or chilled, Temp
- Received in good condition: Y or N
- Property preserved: Y or N

COC Type was:

- Present on outer package: Y or N
- Unbroken on outer package: Y or N
- COC record present & complete upon sample receipt: Y or N

2005

## EXTERNAL CHAIN OF CUSTODY

*07089977-001*

WHITE COPY - ORIGINAL  
KEY-URS003/003F S29

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

C

Key-URS003

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

8/6/2007 4:37:00 PM

Work Order Numbe 0708980

Received by

CAM

Checklist completed by

*[Signature]*

Signature

8/6/07

Date

Reviewed by

*[Signature]*

Initials

8/7/07

Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

KEY-URS003/003F S30

# H2A LABS, INC.

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

258-9

## EXTERNAL CHAIN OF CUSTODY

PROJECT NAME/NUMBER

Keegan - Hempstead Interaction

SAMPLERS: (signature)/Client

Kimberly Dick / WRSCoq -

DELIVERABLES:

WYS CAT A

TURNAROUND TIME:

Standard

CLIENT: WRSCoq  
 H2M SDG NO: Key-UNSCoq

Project Contact: N.K. Alexander  
 Phone Number: 973-388-3700  
 FTS/Quote #

NOTES:  
 \* Hold Cyanide Analysis until Further Notice

Sample Container Description	40ml Amber w/HL	1L Amber	250 ml w/HL	40ml w/HL	40ml w/HL	1L Radic	40ml w/HL	105 ml Sterile	800 ml w/HL	250 ml
------------------------------	-----------------	----------	-------------	-----------	-----------	----------	-----------	----------------	-------------	--------

DATE	TIME	MATRIX	FIELD I.D.	LAB I.D. NO.	REMARKS:	ANALYSIS REQUESTED				Total No. of Containers
						ORGANIC	INORG.	Metals	Other	
8/6/07	10:30	AS	HIHW-25	0709039-003						5
8/6/07	10:30	AS	HIHW-25							5
8/6/07	14:00	AS	HIHW-40							12
8/6/07	15:45	AS	HIHW-105							12
8/6/07	16:00	AS	IB080607							5

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kimberly Dick	8-6-07	15:56	S. Wied	8-6-07	15:56
S. Wied	8-6-07	16:37	Kimberly Dick	8-6-07	16:37
S. Wied					

### LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

LABORATORY USE ONLY

Samples were:  
 1. Shipped or Hand Delivered Arbitrarily  
 2. Ambient or chilled, Temp  
 3. Received in good condition: Y or N  
 4. Property preserved: Y or N

COC Trace used:  
 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

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

WHITE COPY / ORIGINAL

C

Key-URS003

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

8/6/2007 4:37:00 PM

Work Order Number 0709039

Received by CAM

Checklist completed by [Signature] 8/6/07

Reviewed by [Initials] 8/7/07

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Corrective Action \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

KEY-URS003/003F S38

C

Key-URS003F

H2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

8/6/2007

Work Order Number 0709041

Received by CAM

Checklist completed by

*[Signature]*

8/6/07

Signature

Date

Reviewed by

JSA

8/7/07

Initials

Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? Yes  No
- No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

KEY-URS003/003F S39

# H2M LABS, INC.

**SDG NARRATIVE FOR VOLATILE ORGANICS**  
**SAMPLES RECEIVED: 8/2/07 & 8/6/07**  
**SDG #: KEY-URS003**

For Samples:

HIMW-10I	HIMW-11I
HIMW-4I	HIMW-2D
HIMW-6D	HIMW-2I
HIMW-6I	HIMW-10S
HIMW-7D	HIMW-202S
HIMW-7I	HIMW-2S
FB 080207	HIMW-4D
TB 080207	TB080607
HIMW-11D	

The above samples were analyzed for a specific list of volatile organic analytes according to the requirements of the New York State DEC ASP 2000 method 8260B with category A deliverable. Category B deliverables were requested on 10/18/07 and are included in this data package.

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

- No matrix spike/ matrix spike duplicate was submitted.
- Lab fortified blanks were analyzed. All percent recoveries were within Q.C. limits.

**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: August 15, 2007  
Revised Date: November 2, 2007

\*\*\*\*\*  
\*  \*  
\*   
\*\*\*\*\*

Joann M. Slavin  
Senior Vice President

# H2M LABS, INC.

**CASE NARRATIVE FOR BASE/NEUTRAL EXTRACTABLES  
SAMPLES RECEIVED: 8/2/07 & 8/6/07  
SDG #: KEY-URS003**

For Samples:

HIMW-10I	HIMW-11I
HIMW-4I	HIMW-2D
HIMW-6D	HIMW-2I
HIMW-6I	HIMW-10S
HIMW-7D	HIMW-202S
HIMW-7I	HIMW-2S
FB 080207	HIMW-4D
HIMW-11D	

The above samples were analyzed for a select list of semi-volatile analytes by EPA method 8270C in accordance with the NYSDEC ASP, category A Rev. 6/2000. The client requested a category B package on 10/18/07, which is submitted.

All QC data and calibrations met the acceptance limits, and no problems were found with sample analyses. The following should be noted:

- No matrix spike/matrix spike duplicate was submitted with this SDG. A lab fortified blank was analyzed indicating good method efficiency.
- Sample HIMW-6I 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: August 15, 2007  
Revised Date: November 2, 2007

\*\*\*\*\*  
\*  \*  
\* \*  
\*\*\*\*\*

Joann M. Slavin  
Senior Vice President

# H2M LABS, INC.

**SDG NARRATIVE FOR ANALYSIS OF DISSOLVED GASES**  
**SAMPLES RECEIVED: 8/2/07 & 8/6/07**  
**SDG #: KEY-URS003**

For Samples:

HIMW-10I	HIMW-10S
HIMW-4I	HIMW-4D
FB 080207	TB080607
TB 080207	

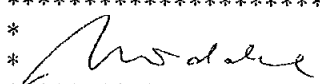

The above water samples were analyzed for methane according to the requirements of method RSK-175. The method employs analysis of headspace with back-calculation of the water concentration by means of the Henry's law.

All QC data and the calibrations met the requirements of the protocol, and no problems were encountered with sample analyses.

- No MS/MSD sample spikes were requested, but a lab fortified blank (LFB) was analyzed, and the recoveries indicate good method efficiency.
- No values under the quantification limit are reported for methane.

**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: October 30, 2007

\*\*\*\*\*  
\*  \*  
\*  \*  
\*\*\*\*\*

Ursula Middel  
Technical Manager



# H2M LABS, INC.

SDG NARRATIVE FOR METALS  
SAMPLES RECEIVED: 8/2/07 & 8/6/07  
SDG#: KEY-URS003

For Samples:

HIMW-10I  
HIMW-4I  
FB 080207  
HIMW-10S  
HIMW-4D

Five water samples were received by H2M Labs, Inc. on 8/2/07 and 8/6/07 for total iron analysis.

Samples were prepared and analyzed using EPA method 6010B with a TJA 61E Trace ICP Instrument.

Sample HIMW-10S was utilized for QC analysis and reporting.

No problems were noted during the analysis of this sample group.

**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: August 22, 2007

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\*  
\* *V Stancampiano* \*  
\*\*\*\*\*

Vincent Stancampiano  
Vice President

# H2M LABS, INC.

**SDG NARRATIVE FOR DISSOLVED METALS  
SAMPLES RECEIVED: 8/2/07 & 8/6/07  
SDG#: KEY-URS003F**

For Samples:

HIMW-10I  
HIMW-4I  
FB 080207  
HIMW-10S  
HIMW-4D

Five water samples were received by H2M Labs, Inc. on 8/2/07 and 8/6/07 for dissolved iron analysis.

Samples were prepared and analyzed using EPA method 6010B with a TJA 61E Trace ICP Instrument.

Sample HIMW-10S was utilized for QC analysis and reporting.

No problems were noted during the analysis of this sample group.

**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: August 16, 2007

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\*\*\*\*\*  
Vincent Stancampiano  
Vice President

# H2M LABS, INC.

## SDG NARRATIVE FOR WET CHEMISTRY SAMPLES RECEIVED: 8/2/07 & 8/6/07 SDG: KEY-URS003

For Samples:

HIMW-10I  
HIMW-4I  
FB 080207  
HIMW-10S  
HIMW-4D

Five water samples were received by H2M Labs, Inc. on 8/2/07 and 8/6/07 for select wet chemistry analysis.

Samples were prepared and analyzed using the following methods:

Alkalinity	EPA 310.1
Free Carbon Dioxide	STDM 4500 CO2D
Nitrate/Nitrite	EPA 353.2
Heterotrophic plate count	STDM 9215B
Sulfate	EPA 375.4

Samples utilized for QC analysis were listed on the QC summary report.

Standard plate count duplicate analysis exceeded 20% RPD recovering at 33% RPD.

Samples were diluted as required to keep instrument readings within calibration ranges.

No other issues were noted during the analysis of this sample group.

**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: August 15, 2007

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\*\*\*\*\*  
Vincent Stancampiano  
Vice President

Date: 13-Aug-07

H2M LABS, INC.

QC SUMMARY REPORT

SDG: KEY-URSS003

Sample ID:	Client Sample ID:	Analyte	Result	Units	Spike Amount	Sample Result	%REC	Recovery Limits	RPDRef Value	%RPD	%RPD UCL
mb-081007	mb-081007	Alkalinity, Total (As CaCO3)	< 1	mg/L							
ics-081007	ics-081007	Alkalinity, Total (As CaCO3)	22.2	mg/L	25	< 1	89	80 120			
0708422-005aMS	0708422-005aMS	Alkalinity, Total (As CaCO3)	58.6	mg/L	25	34.0	98	75 125			
0708422-005aDUP	0708422-005aDUP	Alkalinity, Total (As CaCO3)	34.5	mg/L					34.0	1.3	20
mb-080307	mb-080307	Alkalinity, Total (As CaCO3)	< 1	mg/L							
ics-080307	ics-080307	Alkalinity, Total (As CaCO3)	22.6	mg/L	25	< 1	90	80 120			
MB-080907	MB-080907	Nitrate as N	< 0.1	mg/L							
LCS-080907	LCS-080907	Nitrate as N	1.12	mg/L	1.13	< 0.1	99	80 120			
0709146-001AMS	0709146-001AMS	Nitrate as N	0.52	mg/L	0.5	< 0.1	104	75 125			
0709146-001ADUP	0709146-001ADUP	Nitrate as N	< 0.1	mg/L					< 0.1		20
MB2-080607	MB2-080607	Nitrate as N	< 0.1	mg/L							
LCS2-080607	LCS2-080607	Nitrate as N	1.12	mg/L	1.13	< 0.1	99	80 120			
MB-080707	MB-080707	Nitrite as N	< 0.1	mg/L							
LCS-080707	LCS-080707	Nitrite as N	1.02	mg/L	1	< 0.1	102	80 120			
MB-080307	MB-080307	Nitrite as N	< 0.1	mg/L							
LCS-080307	LCS-080307	Nitrite as N	1.02	mg/L	1	< 0.1	102	80 120			
0708919-002AMS	0708919-002AMS	Nitrite as N	1.48	mg/L	0.5	0.99	98	75 125			
0708919-002ADUP	0708919-002ADUP	Nitrite as N	0.99	mg/L					0.99	0.10	20
MB-080607	MB-080607	Standard Plate Count	< 1	CFU/ml							
MB-080207	MB-080207	Standard Plate Count	< 1	CFU/ml							
0708977-001FDUP	0708977-001FDUP	Standard Plate Count	85	CFU/ml					120	33.0	

*Handwritten signature/initials*

**ATTACHMENT A**  
**DATA USABILITY SUMMARY REPORT**  
**FOURTH QUARTER 2007**

**ATTACHMENT A  
DATA USABILITY SUMMARY REPORT  
FOURTH QUARTER 2007**

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

**Analyses Performed by:  
H2M LABORATORIES, INC.**

**Prepared For:  
KEYSPAN CORPORATION  
175 EAST OLD COUNTRY RD.  
HICKSVILLE, NY 11801**

**Prepared by:  
URS CORPORATION  
77 GOODELL STREET  
BUFFALO, NY 14203**

**JANUARY 2008**

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### TABLES (Following Text)

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

### APPENDICES (Following Tables)

Appendix A	Validated Form 1's
Appendix B	Support Documentation

## I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *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 the eighteen (18) groundwater samples, one matrix spike/matrix spike duplicate (MS/MSD) pair, one field/rinsate blank, and six trip blanks collected by URS personnel on October 15–23, 2007 are discussed in this DUSR. The samples were collected as part of the fourth quarter 2007 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
- Polycyclic 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 1'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.

### **IV. HOLDING TIMES/SAMPLE RECEIPT**

All samples were received by the laboratory intact, under proper chain-of-custody (COC), and were analyzed within the required holding times, except for the following instances.

- The laboratory received six trip blanks during this sampling event, some of which were received in duplicate (i.e., October 17 and 23, 2007), but none of these field QC samples were referenced on their respective COCs by the field technician. The laboratory contacted the field technician to resolve this COC non-conformance, and the lab was instructed to analyze the trip blanks accordingly. The laboratory added trip blank

designations to each COC, except for October 23, 2007, but the additions were not dated/initialed by laboratory.

- Samples collected on Friday, October 19, 2007 were held onsite in a secure location and at appropriate temperature until Monday, October 22, 2007 before sending them to the laboratory for analysis. Samples should not be withheld onsite over a weekend.

## **V. NON-CONFORMANCES**

- Instrument Calibration

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 all groundwater and field/rinse blank samples was greater than 20% for one or more of the following PAHs: benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene. The non-detect results for the affected PAHs in these 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. Sample HIMW-5I required a secondary dilution to allow quantification of all project target analytes (i.e., PAHs) within the calibration range of the instrument. Results reported from secondary dilution analyses were qualified 'D' by the laboratory. BTEX and PAH results below the quantitation limits were qualified 'J' by the laboratory.

## **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. 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, Senior Chemist**

**Date:**

**Reviewed By: Mary E. Bitka, Principal Chemist**

**Date:**

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**OCTOBER 2007**

Location ID			HIMW-003I	HIMW-003I	HIMW-003S	HIMW-005D	HIMW-005I
Sample ID			HIMW-300I	HIMW-3I	HIMW-3S	HIMW-5D	HIMW-5I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/07	10/16/07	10/15/07	10/18/07	10/16/07
Parameter	Units	*	Field Duplicate (1-1)				
<b>Volatile Organic Compounds</b>							
Benzene	UG/L	1	10 U	10 U	10 U	10 U	9 J
Ethylbenzene	UG/L	5	10 U	10 U	10 U	10 U	4 J
Toluene	UG/L	5	10 U	10 U	10 U	2 J	3 J
Xylene (total)	UG/L	5	10 U	10 U	10 U	15	280
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	900 DJ
Acenaphthene	UG/L	20	10 U	10 U	10 U	10 U	14
Acenaphthylene	UG/L	50	10 U	10 U	10 U	10 U	300 DJ
Anthracene	UG/L	50	10 U	10 U	10 U	10 U	3 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 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(b)fluoranthene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	50	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	50	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	35
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	3,600 D
Phenanthrene	UG/L	50	10 U	10 U	10 U	10 U	20
Pyrene	UG/L	50	10 U	10 U	10 U	10 U	10 U

\* - 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

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value. NA - The sample was not analyzed for this parameter.

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

Made By\_GEK 12/27/07\_; Checked By\_PRF 12/28/07\_


Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**OCTOBER 2007**

Location ID			HIMW-005S	HIMW-008D	HIMW-008I	HIMW-008S	HIMW-012D
Sample ID			HIMW-5S	HIMW-8D	HIMW-8I	HIMW-8S	HIMW-12D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/16/07	10/19/07	10/23/07	10/16/07	10/18/07
Parameter	Units	*					
<b>Volatile Organic Compounds</b>							
Benzene	UG/L	1	10 U	10 U	10 U	10 U	1 J
Ethylbenzene	UG/L	5	10 U	10 U	10 U	10 U	10 U
Toluene	UG/L	5	10 U	10 U	10 U	10 U	1 J
Xylene (total)	UG/L	5	10 U	10 U	10 U	10 U	10 U
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	4 J	10 U
Acenaphthene	UG/L	20	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	50	10 U	10 U	10 U	2 J	10 U
Anthracene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(b)fluoranthene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	50	10 UJ	10 U	10 U	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	50	10 UJ	10 U	10 U	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	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 UJ	10 U	10 U	10 UJ	10 U
Naphthalene	UG/L	10	10 U	10 U	10 U	14	10 U
Phenanthrene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	50	10 U	10 U	10 U	10 U	10 U

\* - 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

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value. NA - The sample was not analyzed for this parameter.

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

Made By\_GEK 12/27/07\_; Checked By\_PRF 12/28/07\_


Detection Limits shown are PQL

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**OCTOBER 2007**

Location ID			HIMW-012I	HIMW-012S	HIMW-013D	HIMW-013I	HIMW-013S
Sample ID			HIMW-12I	HIMW-12S	HIMW-13D	HIMW-13I	HIMW-13S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/17/07	10/17/07	10/22/07	10/18/07	10/17/07
Parameter	Units	*					
<b>Volatile Organic Compounds</b>							
Benzene	UG/L	1	7 J	10 U	6 J	10 U	10 U
Ethylbenzene	UG/L	5	3 J	10 U	10 U	10 U	10 U
Toluene	UG/L	5	3 J	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	5	240	10 U	8 J	10 U	10 U
<b>Semivolatile Organic Compounds</b>							
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	20	41	10 U	8 J	8 J	10 U
Acenaphthylene	UG/L	50	50	10 U	13	63	10 U
Anthracene	UG/L	50	10 U	10 U	10 U	1 J	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(b)fluoranthene	UG/L	0.002	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	50	10 UJ	10 UJ	10 U	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	50	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Fluoranthene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	50	31	10 U	10 U	15	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Naphthalene	UG/L	10	10	10 U	10 U	1 J	10 U
Phenanthrene	UG/L	50	6 J	10 U	10 U	16	10 U
Pyrene	UG/L	50	10 U	10 U	10 U	10 U	10 U

\* - 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

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value. NA - The sample was not analyzed for this parameter.

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

Made By\_GEK 12/27/07\_; Checked By\_PRF 12/28/07\_


**Detection Limits shown are PQL**

**TABLE B-1**  
**VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**OCTOBER 2007**

Location ID			HIMW-014D	HIMW-014I	HIMW-015D	HIMW-015I
Sample ID			HIMW-14D	HIMW-14I	HIMW-15D	HIMW-15I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			10/19/07	10/22/07	10/22/07	10/23/07
Parameter	Units	*				
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	1	10 U	88	10 U	11
Ethylbenzene	UG/L	5	10 U	74	10 U	10 U
Toluene	UG/L	5	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	5	10 U	13	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U
Acenaphthene	UG/L	20	10 U	24	10 U	5 J
Acenaphthylene	UG/L	50	10 U	35	10 U	17
Anthracene	UG/L	50	10 U	1 J	10 U	10 U
Benzo(a)anthracene	UG/L	0.002	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	ND	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(b)fluoranthene	UG/L	0.002	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	50	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	0.002	10 U	10 U	10 U	10 U
Chrysene	UG/L	0.002	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	50	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	50	10 U	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	11	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10	10 U	1 J	10 U	10 U
Phenanthrene	UG/L	50	10 U	6 J	10 U	10 U
Pyrene	UG/L	50	10 U	10 U	10 U	10 U

\* - 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

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value. NA - The sample was not analyzed for this parameter.

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

Made By\_GEK 12/27/07\_; Checked By\_PRF 12/28/07\_

Detection Limits shown are PQL

**TABLE B-2**  
**VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**OCTOBER 2007**

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		TB 10/16	SB 10/17	TB 10/19	TB 102207	FB 102307
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		10/16/07	10/17/07	10/17/07	10/22/07	10/23/07
Parameter	Units	Trip Blank (1-1)	Trip Blank (2-2)	Trip Blank (1-1)	Trip Blank (1-1)	Field Blank (1-1)
<b>Volatile Organic Compounds</b>						
Benzene	UG/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
<b>Semivolatile Organic Compounds</b>						
2-Methylnaphthalene	UG/L	NA	NA	NA	NA	10 U
Acenaphthene	UG/L	NA	NA	NA	NA	10 U
Acenaphthylene	UG/L	NA	NA	NA	NA	10 U
Anthracene	UG/L	NA	NA	NA	NA	10 U
Benzo(a)anthracene	UG/L	NA	NA	NA	NA	10 U
Benzo(a)pyrene	UG/L	NA	NA	NA	NA	10 UJ
Benzo(b)fluoranthene	UG/L	NA	NA	NA	NA	10 U
Benzo(g,h,i)perylene	UG/L	NA	NA	NA	NA	10 U
Benzo(k)fluoranthene	UG/L	NA	NA	NA	NA	10 U
Chrysene	UG/L	NA	NA	NA	NA	10 U
Dibenz(a,h)anthracene	UG/L	NA	NA	NA	NA	10 U
Fluoranthene	UG/L	NA	NA	NA	NA	10 U
Fluorene	UG/L	NA	NA	NA	NA	10 U
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA	NA	NA	10 U
Naphthalene	UG/L	NA	NA	NA	NA	10 U
Phenanthrene	UG/L	NA	NA	NA	NA	10 U
Pyrene	UG/L	NA	NA	NA	NA	10 U

Flags assigned during chemistry validation are shown.

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value. NA - The sample was not analyzed for this parameter.

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

Made By\_GEK 12/27/07\_; Checked By\_PRF 12/28/07\_

Detection Limits shown are PQL



**TABLE B-2**  
**VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS**  
**KEYSPAN CORPORATION - HEMPSTEAD INTERSECTION STREET FORMER MGP SITE**  
**OCTOBER 2007**

Location ID		FIELDQC	FIELDQC
Sample ID		SB 102307	TB 102307
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		10/23/07	10/23/07
Parameter	Units	Trip Blank (2-2)	Trip Blank (1-1)
<b>Volatile Organic Compounds</b>			
Benzene	UG/L	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U
Toluene	UG/L	10 U	10 U
Xylene (total)	UG/L	10 U	10 U
<b>Semivolatile Organic Compounds</b>			
2-Methylnaphthalene	UG/L	NA	NA
Acenaphthene	UG/L	NA	NA
Acenaphthylene	UG/L	NA	NA
Anthracene	UG/L	NA	NA
Benzo(a)anthracene	UG/L	NA	NA
Benzo(a)pyrene	UG/L	NA	NA
Benzo(b)fluoranthene	UG/L	NA	NA
Benzo(g,h,i)perylene	UG/L	NA	NA
Benzo(k)fluoranthene	UG/L	NA	NA
Chrysene	UG/L	NA	NA
Dibenz(a,h)anthracene	UG/L	NA	NA
Fluoranthene	UG/L	NA	NA
Fluorene	UG/L	NA	NA
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA
Naphthalene	UG/L	NA	NA
Phenanthrene	UG/L	NA	NA
Pyrene	UG/L	NA	NA

Flags assigned during chemistry validation are shown.

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value. NA - The sample was not analyzed for this parameter.

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

Made By\_GEK 12/27/07\_; Checked By\_PRF 12/28/07\_

Detection Limits shown are PQL

**APPENDIX A**  
**VALIDATED FORM 1'S**

## 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.

1A

EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-3I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS004

Matrix: (soil/water)

WATERLab Sample ID: 0712011-001ASample wt/vol: 5(g/mL) MLLab File ID: A\A56628.D

Level: (low/med)

LOWDate Received: 10/17/07

% Moisture: not dec.

Date Analyzed: 10/26/07GC Column: ZB-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (µL)

Soil Aliquot Volume \_\_\_\_\_ (µL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(pg/L or pg/Kg) UG/L	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S31

1A

EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-3S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS004

Matrix: (soil/water)

WATERLab Sample ID: 0712011-002ASample wt/vol: 5(g/mL) MLLab File ID: A\A56629.D

Level: (low/med)

LOWDate Received: 10/17/07

% Moisture: not dec.

Date Analyzed: 10/26/07GC Column: ZB-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_

(µL)

Soil Aliquot Volume \_\_\_\_\_ (µL)

## CONCENTRATION UNITS:

CAS NO.

COMPOUND

(pg/L or µg/Kg) UG/L

Q

CAS NO.	COMPOUND	(pg/L or µg/Kg) UG/L	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S33

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-5I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS004  
 Matrix: (soil/water) WATER Lab Sample ID: 0712011-003A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56630.D  
 Level: (low/med) LOW Date Received: 10/17/07  
 % Moisture: not dec. Date Analyzed: 10/26/07  
 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	9	J
108-88-3	Toluene	3	J
100-41-4	Ethylbenzene	4	J
1330-20-7	Xylene (total)	280	

KEY-URS004 S35

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-5S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS004

Matrix: (soil/water) WATER Lab Sample ID: 0712011-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56631.D

Level: (low/med) LOW Date Received: 10/17/07

% Moisture: not dec. Date Analyzed: 10/26/07

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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S38

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-8S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004

Matrix: (soil/water)

WATER

Lab Sample ID: 0712011-005A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: A\A56632.D

Level: (low/med)

LOW

Date Received: 10/17/07

% Moisture: not dec.

Date Analyzed: 10/26/07

GC Column: ZB-624

ID: .18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_

( $\mu$ L)

Soil Aliquot Volume \_\_\_\_\_

( $\mu$ L)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/Kg) UG/L	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S40



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-300I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS004  
 Matrix: (soil/water) WATER Lab Sample ID: 0712011-006A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56633.D  
 Level: (low/med) LOW Date Received: 10/17/07  
 % Moisture: not dec. Date Analyzed: 10/26/07  
 GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00  
 Soil Extract Volume: \_\_\_\_\_ (pL) Soil Aliquot Volume \_\_\_\_\_ (pL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(pg/L or pg/Kg) UG/L	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S42

1A

EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SB 10/17

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004

Matrix: (soil/water)

WATER

Lab Sample ID:

0712011-008ASample wt/vol: 5(g/mL) ML

Lab File ID:

A\A56635.D

Level: (low/med)

LOW

Date Received:

10/17/07

% Moisture: not dec.

Date Analyzed:

10/26/07GC Column: ZB-624ID: .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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S44

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 10/16

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS004

Matrix: (soil/water) WATER Lab Sample ID: 0712011-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56634.D

Level: (low/med) LOW Date Received: 10/17/07

% Moisture: not dec. Date Analyzed: 10/26/07

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

Soil Extract Volume: \_\_\_\_\_ (µL) Soil Aliquot Volume \_\_\_\_\_ (µL)

CONCENTRATION UNITS:  
(µg/L or µg/Kg) UG/L Q

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S45

1A

EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-5D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS004

Matrix: (soil/water)

WATERLab Sample ID: 0712117-001ASample wt/vol: 5(g/mL) MLLab File ID: A\A56650.D

Level: (low/med)

LOWDate Received: 10/19/07

% Moisture: not dec.

Date Analyzed: 10/26/07GC Column: ZB-624ID: .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	10	U
108-88-3	Toluene	2	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	15	

KEY-URS004 S46

1A

EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-12D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS004

Matrix: (soil/water)

WATERLab Sample ID: 0712117-002ASample wt/vol: 5(g/mL) MLLab File ID: A\A56636.D

Level: (low/med)

LOWDate Received: 10/19/07

% Moisture: not dec.

Date Analyzed: 10/26/07GC Column: ZB-624ID: .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	1	J
108-88-3	Toluene	1	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S48

1A

EPA SAMPLE NO.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-12I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS004

Matrix: (soil/water)

WATERLab Sample ID: 0712117-003ASample wt/vol: 5(g/mL) MLLab File ID: A\A56646.D

Level: (low/med)

LOWDate Received: 10/19/07

% Moisture: not dec.

Date Analyzed: 10/26/07GC Column: ZB-624ID: .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	7	J
108-88-3	Toluene	3	J
100-41-4	Ethylbenzene	3	J
1330-20-7	Xylene (total)	240	

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-URS004

Matrix: (soil/water) WATER Lab Sample ID: 0712117-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56647.D

Level: (low/med) LOW Date Received: 10/19/07

% Moisture: not dec. Date Analyzed: 10/26/07

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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S52

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-URS004  
Matrix: (soil/water) WATER Lab Sample ID: 0712117-005A  
Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56648.D  
Level: (low/med) LOW Date Received: 10/19/07  
% Moisture: not dec. Date Analyzed: 10/26/07  
GC Column: ZB-624 ID: .18 (mm) Dilution Factor: 1.00  
Soil Extract Volume: \_\_\_\_\_ (µL) Soil Aliquot Volume \_\_\_\_\_ (µL)

CONCENTRATION UNITS:  
(pg/L or pg/Kg) UG/L Q

CAS NO.	COMPOUND	(pg/L or pg/Kg) <u>UG/L</u>	Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-13S

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS004  
 Matrix: (soil/water) WATER Lab Sample ID: 0712117-006A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56653.D  
 Level: (low/med) LOW Date Received: 10/19/07  
 % Moisture: not dec. Date Analyzed: 10/26/07  
 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	10		U
108-88-3	Toluene	10		U
100-41-4	Ethylbenzene	10		U
1330-20-7	Xylene (total)	10		U

KEY-URS004 S56

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB 10/19

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS004

Matrix: (soil/water) WATER Lab Sample ID: 0712117-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56654.D

Level: (low/med) LOW Date Received: 10/19/07

% Moisture: not dec. Date Analyzed: 10/26/07

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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S58

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-8D

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS004

Matrix: (soil/water) WATER Lab Sample ID: 0712167-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56656.D

Level: (low/med) LOW Date Received: 10/22/07

% Moisture: not dec. Date Analyzed: 10/27/07

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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S59

1A  
VOLATILE 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-URS004  
 Matrix: (soil/water) WATER Lab Sample ID: 0712167-002A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56657.D  
 Level: (low/med) LOW Date Received: 10/22/07  
 % Moisture: not dec. Date Analyzed: 10/27/07  
 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	6	J
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	8	J

KEY-URS004 S61

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-URS004  
 Matrix: (soil/water) WATER Lab Sample ID: 0712167-003A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56658.D  
 Level: (low/med) LOW Date Received: 10/22/07  
 % Moisture: not dec. Date Analyzed: 10/27/07  
 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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS004 S63

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-8I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS SAS No.: \_\_\_\_\_

SDG No.: KEY-URS005

Matrix: (soil/water)

WATER

Lab Sample ID: 0712209-001A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: A\A56706.D

Level: (low/med)

LOW

Date Received: 10/23/07

% Moisture: not dec.

Date Analyzed: 10/29/07

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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS005 S19

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-14I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS005

Matrix: (soil/water)

WATERLab Sample ID: 0712209-002ASample wt/vol: 5(g/mL) MLLab File ID: A\A56707.D

Level: (low/med)

LOWDate Received: 10/23/07

% Moisture: not dec.

Date Analyzed: 10/29/07GC Column: ZB-624ID: .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	88	
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	74	
1330-20-7	Xylene (total)	13	

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-URS005

Matrix: (soil/water) WATER Lab Sample ID: 0712209-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56708.D

Level: (low/med) LOW Date Received: 10/23/07

% Moisture: not dec. Date Analyzed: 10/29/07

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	11	
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS005 S23



## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 102307

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS005

Matrix: (soil/water)

WATERLab Sample ID: 0712209-004ASample wt/vol: 5(g/mL) MLLab File ID: A\A56709.D

Level: (low/med)

LOWDate Received: 10/23/07

% Moisture: not dec.

Date Analyzed: 10/29/07GC Column: ZB-624ID: .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	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB 102307

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS005  
 Matrix: (soil/water) WATER Lab Sample ID: 0712209-005A  
 Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A56710.D  
 Level: (low/med) LOW Date Received: 10/23/07  
 % Moisture: not dec. Date Analyzed: 10/29/07  
 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
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

KEY-URS005 S27

1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB 102307

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS SAS No.: \_\_\_\_\_SDG No.: KEY-URS005

Matrix: (soil/water)

WATERLab Sample ID: 0712209-006ASample wt/vol: 5(g/mL) MLLab File ID: A\A56711.D

Level: (low/med)

LOWDate Received: 10/23/07

% Moisture: not dec.

Date Analyzed: 10/29/07GC Column: ZB-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_

(pL)

Soil Aliquot Volume \_\_\_\_\_ (pL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		( $\mu\text{g/L}$ or $\mu\text{g/Kg}$ )	UG/L Q
71-43-2	Benzene	10	U
108-88-3	Toluene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U

1C

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-3I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004Matrix: (soil/water) WATERLab Sample ID: 0712011-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C38012.DLevel: (low/med) LOWDate Received: 10/17/07% Moisture: Decanted: (Y/N) NDate Extracted: 10/22/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 10/27/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 J
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

14/2/07

IC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-300I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004

Matrix: (soil/water) WATER

Lab Sample ID: 0712011-006B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C38017.D

Level: (low/med) LOW

Date Received: 10/17/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/22/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/27/07

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	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 J
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

*12/28/07*  
*2*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-3S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004

Matrix: (soil/water) WATER

Lab Sample ID: 0712011-002B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C38013.D

Level: (low/med) LOW

Date Received: 10/17/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/22/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/27/07

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	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

*12/4/07*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-5I

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004

Matrix: (soil/water) WATER

Lab Sample ID: 0712011-003B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: AVC38014.D

Level: (low/med) LOW

Date Received: 10/17/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/22/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/27/07

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	1700		E
91-57-6	2-Methylnaphthalene	640		E
<del>200-96-8</del>	<del>Acenaphthylene</del>	<del>160</del>		<del>E</del>
83-32-9	Acenaphthene	14		
86-73-7	Fluorene	35		
85-01-8	Phenanthrene	20		
120-12-7	Anthracene	3		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 I
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

12/27/07

12/20/07

1C

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-5IDL

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004Matrix: (soil/water) WATERLab Sample ID: 0712011-003BDLSample wt/vol: 1000 (g/mL) MLLab File ID: A\C38036.DLevel: (low/med) LOWDate Received: 10/17/07% Moisture: Decanted: (Y/N) NDate Extracted: 10/22/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 10/29/07Injection Volume: 2 (µL)Dilution Factor: 100.00GPC 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	3600		D
91-57-6	2-Methylnaphthalene	900		DJ
208-96-8	Acenaphthylene	300		DJ
<del>83-32-9</del>	<del>Acenaphthene</del>	<del>10</del>		<del>U</del>
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
<del>191-24-2</del>	<del>Benzo(g,h,i)perylene</del>	<del>10</del>		<del>U</del>

(1) Cannot be separated from Diphenylamine

12/27/07



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-5S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004Matrix: (soil/water) WATERLab Sample ID: 0712011-004ESample wt/vol: 1000 (g/mL) MLLab File ID: A\C38015.DLevel: (low/med) LOWDate Received: 10/17/07% Moisture: Decanted: (Y/N) NDate Extracted: 10/22/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 10/27/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 J
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

12/28/07  
2

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-8S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004

Matrix: (soil/water) WATER

Lab Sample ID: 0712011-005B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C38016.D

Level: (low/med) LOW

Date Received: 10/17/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/22/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/27/07

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	14		
91-57-6	2-Methylnaphthalene	4		J
208-96-8	Acenaphthylene	2		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 J
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

*12/20/07*  
*2*

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-5D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004Matrix: (soil/water) WATERLab Sample ID: 0712117-001BSample wt/vol: 1000 (g/mL) MLLab File ID: AAC38019.DLevel: (low/med) LOWDate Received: 10/19/07% Moisture: Decanted: (Y/N) NDate Extracted: 10/23/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 10/27/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 J
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

12/20/07

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-12D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004Matrix: (soil/water) WATERLab Sample ID: 0712117-002BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C38020.DLevel: (low/med) LOWDate Received: 10/19/07% Moisture: Decanted: (Y/N) NDate Extracted: 10/23/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 10/27/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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	J
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	J

(1) Cannot be separated from Diphenylamine

12/28/07

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-121

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004

Matrix: (soil/water) WATER

Lab Sample ID: 0712117-003B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C38021.D

Level: (low/med) LOW

Date Received: 10/19/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/23/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/27/07

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	10		
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	50		
83-32-9	Acenaphthene	41		
86-73-7	Fluorene	31		
85-01-8	Phenanthrene	6		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 J
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

12/28/07  
2

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-12S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004Matrix: (soil/water) WATERLab Sample ID: 0712117-004BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C38022.DLevel: (low/med) LOWDate Received: 10/19/07% Moisture: Decanted: (Y/N) NDate Extracted: 10/23/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 10/27/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 J
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

12/20/07  
2

1C  
SEMIVOLATILE 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-URS004

Matrix: (soil/water) WATER

Lab Sample ID: 0712117-005B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C38023.D

Level: (low/med) LOW

Date Received: 10/19/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/23/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/27/07

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	1	J
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	63	
83-32-9	Acenaphthene	8	J
86-73-7	Fluorene	15	
85-01-8	Phenanthrene	16	
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 J
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

*12/20/07*  
*2*

1C

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-13S

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004Matrix: (soil/water) WATERLab Sample ID: 0712117-006BSample wt/vol: 1000 (g/mL) MLLab File ID: A/C38024.DLevel: (low/med) LOWDate Received: 10/19/07% Moisture: Decanted: (Y/N) NDate Extracted: 10/23/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 10/27/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 J
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

12/26/2



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HIMW-8D

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004Matrix: (soil/water) WATERLab Sample ID: 0712167-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C38041.DLevel: (low/med) LOWDate Received: 10/22/07% Moisture: Decanted: (Y/N) NDate Extracted: 10/25/07Concentrated Extract Volume: 1000 (µL)Date Analyzed: 10/29/07Injection Volume: 2 (µL)Dilution Factor: 1.00GPC 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	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 J
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

*10/29/07*

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-URS004  
 Matrix: (soil/water) WATER Lab Sample ID: 0712167-002B  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C38042.D  
 Level: (low/med) LOW Date Received: 10/22/07  
 % Moisture: Decanted: (Y/N) N Date Extracted: 10/25/07  
 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/29/07  
 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	10		U
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	13		
83-32-9	Acenaphthene	8		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 J
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

12/20/07  
2

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-8I

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SD3 No.: KEY-URS005

Matrix: (soil/water) WATER Lab Sample ID: 0712209-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\338045.D

Level: (low/med) LOW Date Received: 10/23/07

% Moisture: Decanted: (Y/N) N Date Extracted: 10/25/07

Concentrated Extract Volume: 1000 (μL) Date Analyzed: 10/29/07

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	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

*142067*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HIMW-14I	
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Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS005

Matrix: (soil/water) WATER Lab Sample ID: 0712209-002H

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C38046.D

Level: (low/med) LOW Date Received: 10/23/07

% Moisture: Decanted: (Y/N) N Date Extracted: 10/25/07

Concentrated Extract Volume: 1000 (μL) Date Analyzed: 10/29/07

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)	UC/L	Q
91-20-3	Naphthalene	1		J
91-57-6	2-Methylnaphthalene	10		U
208-96-8	Acenaphthylene	35		
83-32-9	Acenaphthene	24		
86-73-7	Fluorene	11		
85-01-8	Phenanthrene	6		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 J
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

10/25/07

1C  
SEMIVOLATILE 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-URS005

Matrix: (soil/water) WATER

Lab Sample ID: 0712209-003B

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C38047.D

Level: (low/med) LOW

Date Received: 10/23/07

% Moisture: Decanted: (Y/N) N

Date Extracted: 10/25/07

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 10/29/07

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	10	U
91-57-6	2-Methylnaphthalene	10	U
208-96-8	Acenaphthylene	17	
83-32-9	Acenaphthene	5	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 J
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

*10/29/07*

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 102307

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_

Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SDG No.: KEY-URS005

Matrix: (soil/water) WATER Lab Sample ID: 0712209-004B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C38048.D

Level: (low/med) LOW Date Received: 10/23/07

% Moisture: Decanted: (Y/N) N Date Extracted: 10/25/07

Concentrated Extract Volume: 1000 ( $\mu$ L) Date Analyzed: 10/29/07

Injection Volume: 2 ( $\mu$ L) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	( $\mu$ g/L or $\mu$ g/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

*10/29/07*

**APPENDIX B**

**SUPPORT DOCUMENTATION**

# HOM LABS, INC.

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

24/7

# EXTERNAL CHAIN OF CUSTODY

PROJECT NAME/NUMBER <b>Keyspan - Hempstead</b>		CLIENT: <b>UES Corporation</b>		H2M SDG NO: <b>KEY-URS004</b>	
SAMPLERS: (signature)/Client <i>Cary Furl</i>		Project Contact: <b>Mike Akerbergs</b>		Phone Number: <b>973 785 0700</b>	
DELIVERABLES: <b>Full Cont B</b>		NOTES: <b>This chain accounts for 2 coolers.</b>		PIS/Quote #	
TURNAROUND TIME: <b>Normal</b>		ANALYSIS REQUESTED		REMARKS:	
		ORGANIC		LAB I.D. NO.	
		INORG.			
		Metal			
DATE	TIME	MATRIX	FIELD I.D.		
10/15/07	1310	GW	HIMW-3S	0712011-002	
10/16/07	0830		HIMW-5S	-004	
10/16/07	1120		HIMW-3I	-001	
10/16/07	1130		HIMW-300I	-006	
10/16/07	1405		HIMW-5I	-003	
10/16/07	1540		HIMW-8S	-005	
			TB	-067	
			TB	-005b	
Relinquished by: (Signature)		Date	Time	LABORATORY USE ONLY	
<i>[Signature]</i>		10/17/07	12:22	Discrepancies Between Sample Labels and COC Record? Y or N	
Relinquished by: (Signature)		Date	Time	Explain:	
<i>[Signature]</i>		10/17/07	16:30	Samples were: 1. Shipped <input type="checkbox"/> or Hand Delivered <input checked="" type="checkbox"/> Airbill# _____ 2. Ambient or cooled? Temp _____ 3. Received in good condition? Y or N <input checked="" type="checkbox"/> 4. Properly preserved? Y or N <input checked="" type="checkbox"/>	
Relinquished by: (Signature)		Date	Time	COC Taps was: 1. Present on outer package: Y or N <input checked="" type="checkbox"/> 2. Unbroken on outer package: Y or N <input checked="" type="checkbox"/> 3. COC record present & complete upon sample receipt: <input checked="" type="checkbox"/>	
<i>[Signature]</i>				Y or N	

WHITE COPY 59 ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY





KEY-URS004

Sample Receipt Checklist

Client Name KEY-URS Date and Time Receive 10/17/2007 4:30:00 PM
Work Order Numbe 0712011 Received by dmc

Checklist completed by [Signature] 10/17/07 Reviewed by [Initials] 10/22/07

Matrix: Carrier name Pickup

- Shipping container/cooler in good condition? Yes [x] No [ ] Not Applicable [ ]
Custody seals intact on shipping container/cooler? Yes [ ] No [ ] Not Applicable [x]
Custody seals intact on sample bottles? Yes [ ] No [ ] Not Applicable [x]
Chain of custody present? Yes [x] No [ ]
Chain of custody signed when relinquished and received? Yes [x] No [ ]
Chain of custody agrees with sample labels? Yes [x] No [ ]
Samples in proper container/bottle? Yes [x] No [ ]
Sample containers intact? Yes [x] No [ ]
Sufficient sample volume for indicated test? Yes [x] No [ ]
samples received within holding time? Yes [x] No [ ]
Container/Temp Blank temperature in compliance? Yes [x] No [ ]
Water - VOA vials have zero headspace? No VOA vials submitted [ ] Yes [x] No [ ]
Water - pH acceptable upon receipt? Yes [x] No [ ]

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

KEY-URS004 S8

PROJECT NAME/NUMBER

Keyspan  
 Hempstead

SAMPLERS: (signature)/Client

Cary Fil

DELIVERABLES:

Full Cat B

TURNAROUND TIME: Normal

CLIENT: WRS Corporation

Project Contact: Mike Akerberg

Phone Number: 973 785 0700

PIS/Quote #

H2M SDG NO: KEY-025004

NOTES: this chain is for 2 coolers

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ANALYSIS REQUESTED			REMARKS:
					ORGANIC	INORG.	LAB I.D. NO.	
10/17/07	0930	GW	HIMW-12S	4	2	2	0712117-004	
10/17/07	1240		HIMW-12I				-003	
10/17/07	1440		HIMW-13S				-006	HIMW-13S
10/18/07	1035		HIMW-5D				-001	
10/18/07	1025		HIMW-5D MSHMSA				-001	
10/18/07	1310		HIMW-12D				-002	
10/19/07	1455		HIMW-13I	1	1	1	-005	
10/19/07			TB 10A07					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	10/19/07		<i>[Signature]</i>	10/19/07	16:00
<i>[Signature]</i>	10/19/07	16:00	<i>[Signature]</i>	10/19/07	16:00
<i>[Signature]</i>			<i>[Signature]</i>		
<i>[Signature]</i>			<i>[Signature]</i>		

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

LABORATORY USE ONLY

Samples were:

- Shipped  or Hand Delivered  Airbill# \_\_\_\_\_
- Ambient or Chilled Temp
- Received in good condition  or N
- Properly preserved  or N

COC TID# WBS:

- Present on outer package: Y or N
- Unbroken on outer package: Y or N

COC record present & complete upon sample receipt:  or N

KEY-URS004

ORM LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive 10/19/2007 4:00:00 PM

Work Order Numbe 0712117

Received by dmc

Checklist completed by [Signature] 10/19/07  
Signature Date

Reviewed by [Signature] 10/22/07  
Initials Date

Matrix: Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted yes Date contacted: 10/22/07 Person contacted CARRIE FREEDMAN  
Contacted by: JEN ANACRU Regarding \_\_\_\_\_  
Comments: 2 TRIP BLANK SETS RECEIVED. NO TRIP BLANKS ON C.O.C.

Corrective Action only running 1 TB.

KEY-URS004 S14

# HMA LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5078  
 Tel: (631) 694-3040 Fax: (631) 420-8436

2463

# EXTERNAL CHAIN OF CUSTODY

PROJECT NAME/NUMBER

Keyspan  
 Hempstead

SAMPLERS: (signature)/Client

*Key FL*

DELIVERABLES:

Full Cat B

TURNAROUND TIME: Normal

CLIENT: *W.R.S. Corporation* H2M SDG NO: *1125004*

Project Contact: *Mike Akerbergs*

Phone Number: *973 785 0700*

PIS/Quote #

NOTES:

Sample Description	Total No. of Containers	ANALYSIS REQUESTED
<i>(HCL) to ml Akerbergs (BEX)</i>		
<i>11 Amber (PALS)</i>		

ORGANIC	INORG.	LAB I.D. NO.	REMARKS:
VOA	Metals	<i>0712167-001</i>	
VOA		<i>-003</i>	
VOA		<i>-004</i>	
VOA		<i>-002</i>	
VOA		<i>-005</i>	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Key FL</i>	<i>10/22/07</i>	<i>3:01</i>	<i>Shirley J. Kelly</i>	<i>10/21/07</i>	<i>3:00</i>
<i>Shirley J. Kelly</i>	<i>10/22/07</i>	<i>15:55</i>	<i>Shirley J. Kelly</i>	<i>10/22/07</i>	<i>15:55</i>
<i>Shirley J. Kelly</i>					

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N

Explain:

1. Shipped or Hand Delivered  Airbill#

2. Ambient or chilled, Temp. *Y* or *N*

3. Received in good condition: *Y* or *N*

4. Property preserved: *Y* or *N*

COC Table used:

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*

KEYH125004 ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

KEY-URS004

2M LABS, INC.

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive

10/22/2007

Work Order Number 0712167

Received by CAM

Checklist completed by

*[Signature]* 10/22/07  
Signature Date

Reviewed by

*[Initials]* 10/23/07  
Initials Date

Matrix:

Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Corrective Action \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

KEY-URS004 S20

# H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS  
SAMPLES RECEIVED: 10/17/07, 10/19/07, and 10/22/07  
SDG #: KEY-URS004

For Samples:

*12/27/07*

HIMW-3I	HIMW-300I	HIMW-12I	HIMW-8D
HIMW-3S	TB 10/16	HIMW-12S	HIMW-13D
HIMW-5I	<del>SB 10/17</del> SB 10/17	HIMW-13I	HIMW-14D
HIMW-5S	HIMW-5D MS/MSD	HIMW-13S	HIMW-15D
HIMW-8S	HIMW-12D	TB 10/19	TB 102207

The above samples were analyzed for a select list of volatile organic analytes in accordance with the NYSDEC ASP, Rev. 2000.

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 ~~M-IR~~ <sup>HIMW-5D</sup> was analyzed as the matrix spike/matrix spike duplicate (MS/MSD).
- All percent recoveries were within Q.C. limits for the MS/MSD, the matrix spike blank (LCS), and the lab fortified blank (LFB).

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, 2007

\*\*\*\*\*  
\* *Ursula Middel* \*  
\*  
\*\*\*\*\*

Ursula Middel  
Technical Manager

# H2M LABS, INC.

**SDG NARRATIVE FOR SEMIVOLATILE ANALYSES**  
**SAMPLE RECEIVED: 10/17/07, 1019/07 & 10/22/07**  
**SDG#: KEY-URS004**

For Sample:

HIMW-3I	HIMW-8S	HIMW-12I	HIMW-8D
HIMW-3S	HIMW-300I	HIMW-12S	HIMW-13D
HIMW-5I	HIMW-5D	HIMW-13I	HIMW-14D
HIMW-5S	HIMW-12D	HIMW-13S	HIMW-15D

The above samples were analyzed for the STARS list of semivolatile organic analytes by EPA method 8270C in accordance with NYSDEC ASP 2000 and reported with category B deliverables.

Sample HIMW-5D was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPD's were met.

Sample HIMW-5I was reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range.

The surrogate standard nitrobenzene-d5 had a high recovery in the undiluted sample. All surrogate recoveries were diluted out in the dilution. The surrogate standard was double spiked for this sample. The percent recoveries listed on Form 2 are correct.

Benzo(b)fluoranthene had a %RSD greater than 20.5% in the initial calibration. Benzo(g,h,i)perylene had a % D greater than 25% on 10/24/07 in the continuing calibrations.

**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 9, 2007

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\* \*  
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Joann M. Slavin  
Senior Vice President

KEY-URS004 S27

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-URS004  
 Lab File ID: A\C38009.D DFTPP Injection Date: 10/27/07  
 Instrument ID: HP5972 DFTPP Injection Time: 12:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	37.3
68	Less than 2.0% of mass 69	0.2 (0.5)1
69	Mass 69 relative abundance	44.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	40.9
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	6.6
275	10.0 - 30.0% of mass 198	18.1
365	Greater than 1.0% of mass 198	1.6
441	Present, but less than mass 443	8.9
442	40.0 - 110.0% of mass 198	51.7
443	17.0 - 23.0% of mass 442	9.6 (18.6)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	V38010C.D	10/27/07	12:47
02	HIMW-3I	0712011-001B	AIC38012.D	10/27/07	13:50
03	HIMW-3S	0712011-002B	AIC38013.D	10/27/07	14:23
04	HIMW-5I	0712011-003B	AIC38014.D	10/27/07	14:56
05	HIMW-5S	0712011-004B	AIC38015.D	10/27/07	15:28
06	HIMW-8S	0712011-005B	AIC38016.D	10/27/07	16:01
07	HIMW-300I	0712011-006B	AIC38017.D	10/27/07	16:33
08	HIMW-5D	0712117-001B	AIC38019.D	10/27/07	17:38
09	HIMW-12D	0712117-002B	AIC38020.D	10/27/07	18:11
10	HIMW-12I	0712117-003B	AIC38021.D	10/27/07	18:43
11	HIMW-12S	0712117-004B	AIC38022.D	10/27/07	19:16
12	HIMW-13I	0712117-005B	AIC38023.D	10/27/07	19:48
13	HIMW-13S	0712117-006B	AIC38024.D	10/27/07	20:21



## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478Case No.: KEY-URS

SAS No.: \_\_\_\_\_

SDG No.: KEY-URS004Instrument ID: HP5972Calibration Date: 10/27/07 Time: 12:47Lab File ID: \C38010C.DInit. Calib. Date(s): 10/23/07 10/23/07EPA Sample No. (SSTD050##): SSTD025Init. Calib. Times: 10:51 13:29GC Column: R-5SILMSID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Naphthalene	0.991	1.008	0.700	1.7	25.0
2-Methylnaphthalene	0.608	0.632	0.400	4.0	25.0
Acenaphthylene	1.895	1.995	1.300	5.3	25.0
Acenaphthene	1.169	1.247	0.800	6.6	25.0
Fluorene	1.275	1.343	0.900	5.4	25.0
Phenanthrene	1.284	1.326	0.700	3.3	25.0
Anthracene	1.317	1.362	0.700	3.4	25.0
Fluoranthene	1.203	1.280	0.600	6.4	25.0
Pyrene	1.474	1.479	0.600	0.4	25.0
Benzo(a)anthracene	1.179	1.239	0.800	5.1	25.0
Chrysene	1.105	1.152	0.700	4.3	25.0
Benzo(b)fluoranthene	1.671	1.393	0.700	-16.6	25.0
Benzo(k)fluoranthene	1.240	1.076	0.700	-13.2	25.0
Benzo(a)pyrene	1.369	1.072	0.700	-21.7	25.0
Indeno(1,2,3-cd)pyrene	1.524	1.179	0.500	-22.6	25.0
Dibenzo(a,h)anthracene	1.225	0.933	0.400	-23.8	25.0
Benzo(g,h,i)perylene	1.366	1.035	0.500	-24.2	25.0

All other compounds must meet a minimum RRF of 0.010.



42M LABS, INC.

Key-URS005

Sample Receipt Checklist

Client Name KEY-URS

Date and Time Receive 10/23/2007 3:00:00 PM

Work Order Number 0712209

Received by CAM

Checklist completed by [Signature] 10/23/07

Reviewed by [Initials] 10/24/07

Matrix: Carrier name Pickup

- Shipping container/cooler in good condition? Yes  No  Not Applicable
- Custody seals intact on shipping container/cooler? Yes  No  Not Applicable
- Custody seals intact on sample bottles? Yes  No  Not Applicable
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

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Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

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Corrective Action \_\_\_\_\_

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KEY-URS005 A11

# H2M LABS, INC.

**SDG NARRATIVE FOR VOLATILE ORGANICS  
SAMPLES RECEIVED: 10/23/07  
SDG #: KEY-URS005**

For Samples:

HIMW-8I FB 102307  
HIMW-14I TB 102307  
HIMW-15I SB 102307

The above samples were analyzed for a select list of volatile organic analytes in accordance with the NYSDEC ASP, Rev. 2000 by method 8260.

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

- No matrix spike/matrix spike duplicate was submitted. A lab-fortified blank was analyzed indicating good method efficiency.
- 4-bromofluorobenzene had a 33.8 % RSD in the initial calibration of 10/16/07.

**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, 2007

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\*  \*  
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Joann M. Slavin  
Senior Vice President

# H2M LABS, INC.

**SDG NARRATIVE FOR SEMIVOLATILE ANALYSES  
SAMPLE RECEIVED: 10/23/07  
SDG#: KEY-URS005**

For Sample:

HIMW-8I  
HIMW-14I  
HIMW-15I  
FB 102307

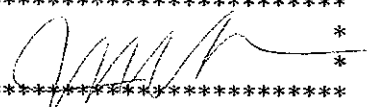
The above samples were analyzed for the STARS list of semivolatile organic analytes by EPA method 8270C in accordance with NYSDEC ASP 2000 and reported with category B deliverables.

No matrix spike/matrix spike duplicate was submitted. A lab fortified blank was analyzed and indicates good method efficiency.

Benzo(k)fluoranthene had a %RSD greater than 20.5% in the initial calibration.

**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, 2007

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Joann M. Slavin  
Senior Vice President

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-URS005  
 Lab File ID: A\C38033.D DFTPP Injection Date: 10/29/07  
 Instrument ID: HP5972 DFTPP Injection Time: 10:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.2 (0.3)1
69	Mass 69 relative abundance	50.5
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	42.8
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	6.2
275	10.0 - 30.0% of mass 198	17.3
365	Greater than 1.0% of mass 198	1.7
441	Present, but less than mass 443	7.4
442	40.0 - 110.0% of mass 198	46.8
443	17.0 - 23.0% of mass 442	8.9 (19.0)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	AIC38034.D	10/29/07	10:20
02	MB-23307	MB-23307	AIC38039.D	10/29/07	13:00
03	LFB-23307	LFB-23307	AIC38040.D	10/29/07	13:32
04	HIMW-8I	0712209-001B	AIC38045.D	10/29/07	16:09
05	HIMW-14I	0712209-002B	AIC38046.D	10/29/07	16:40
06	HIMW-15I	0712209-003B	AIC38047.D	10/29/07	17:12
07	FB 102307	0712209-004B	AIC38048.D	10/29/07	17:43

7C  
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS, INC. Contract: \_\_\_\_\_  
 Lab Code: 10478 Case No.: KEY-URS SAS No.: \_\_\_\_\_ SFG No.: KEY-URS005  
 Instrument ID: HP5972 Calibration Date: 10/29/20 Time: 10:20  
 Lab File ID: A\C38034.D Init. Calib. Date(s): 10/23/07 10/23/07  
 EPA Sample No. (SSTD050##): SSTD025 Init. Calib. Times: 10:51 13:29  
 GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Naphthalene	0.991	1.000	0.700	0.9	25.0
2-Methylnaphthalene	0.608	0.620	0.400	2.0	25.0
Acenaphthylene	1.895	2.025	1.300	6.8	25.0
Acenaphthene	1.169	1.245	0.800	6.5	25.0
Fluorene	1.275	1.289	0.900	1.1	25.0
Phenanthrene	1.284	1.346	0.700	4.8	25.0
Anthracene	1.317	1.407	0.700	6.3	25.0
Fluoranthene	1.203	1.279	0.600	6.3	25.0
Pyrene	1.474	1.533	0.600	4.0	25.0
Benzo(a)anthracene	1.179	1.206	0.800	2.3	25.0
Chrysene	1.105	1.156	0.700	4.6	25.0
Benzo(b)fluoranthene	1.671	1.433	0.700	-14.2	25.0
Benzo(k)fluoranthene	1.240	1.084	0.700	-12.6	25.0
Benzo(a)pyrene	1.369	1.091	0.700	-20.3	25.0
Indeno(1,2,3-cd)pyrene	1.524	1.242	0.500	-18.5	25.0
Dibenzo(a,h)anthracene	1.225	0.997	0.400	-18.6	25.0
Benzo(g,h,i)perylene	1.366	1.100	0.500	-19.5	25.0

All other compounds must meet a minimum RRF of 0.010.

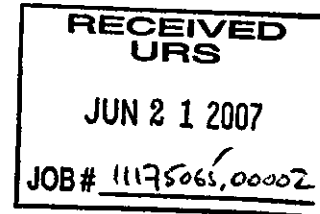
**ATTACHMENT B**

**PROPERTIES OF FREE PRODUCT**



June 7, 2007

James R Stachowski, P.E.  
URS Corporation  
77 Goodell Street  
Buffalo, NY 14203-1205



Re: Fluid Properties Data  
PTS File No: 37356  
Keyspan - Hempstead Int.; 11175065

Dear Mr. Stachowski:

Please find enclosed Fluid Properties data from analyses conducted upon NAPL's received from your Keyspan - Hempstead Int.; 11175065 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention. The remaining fluids are currently in storage and will be retained for 30 days past completion of testing. Please note that the fluids will be disposed of at that time.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please give me a call at (562) 907-3607.

Sincerely,  
PTS Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Michael Mark Brady". The signature is written in a cursive style and is positioned above the printed name.

Michael Mark Brady, P.G.  
Project Manager

Encl.

PTS File No: 37356  
 Client: URS Corporation

**VISCOSITY, DENSITY, and SPECIFIC GRAVITY DATA**  
 (METHODOLOGY: ASTM D445, ASTM D1481, API RP40)

PROJECT NAME: Keyspan - Hempstead Int.  
 PROJECT NO: 11175065

SAMPLE ID	MATRIX	TEMPERATURE, °F	SPECIFIC GRAVITY	DENSITY, g/cc	VISCOSITY	
					centistokes	centipoise
HIMW-6S (DNAPL)	DNAPL	70	1.059	1.057	78.9	83.4
		100	1.058	1.050	28.5	29.9
		130	1.057	1.042	14.0	14.6
HIMW-7S (DNAPL)	DNAPL	70	1.068	1.065	116	124
		100	1.065	1.058	39.3	41.6
		130	1.063	1.048	17.9	18.7
HIMW-17S (DNAPL)	DNAPL	70	1.043	1.041	56.2	58.5
		100	1.040	1.033	22.6	23.4
		130	1.038	1.024	11.1	11.4
HIMW-1S (DNAPL)	DNAPL	70	1.029	1.027	28.5	29.3
		100	1.025	1.018	13.4	13.8
		130	1.018	1.004	7.51	7.53
HIMW-1S (LNAPL)	LNAPL	70	0.9541	0.9521	14.3	13.6
		100	0.9482	0.9416	7.77	7.32
		130	0.9408	0.9276	4.84	4.49
HIMW-18S (DNAPL)	DNAPL	70	1.057	1.054	169	178
		100	1.052	1.045	55.2	57.7
		130	1.047	1.032	23.8	24.6
PZ-08 (DNAPL)	DNAPL	70	1.082	1.079	103	111
		100	1.078	1.071	35.1	37.5
		130	1.075	1.059	17.5	18.5
HIMW-19S (DNAPL)	DNAPL	70	1.072	1.070	52.2	55.8
		100	1.063	1.056	18.9	19.9
		130	1.060	1.045	11.1	11.6
HIMW-16I (DNAPL)	DNAPL	70	1.073	1.071	96.1	103
		100	1.065	1.058	33.5	35.4
		130	1.062	1.047	16.2	17.0
HIMW-16S (DNAPL)	DNAPL	70	1.061	1.059	60.4	64.0
		100	1.057	1.050	23.1	24.2
		130	1.054	1.039	12.1	12.5

Rec'd 7/13/07

PTS File No: 37356  
Client: URS Corporation

### VISCOSITY, DENSITY, and SPECIFIC GRAVITY DATA

(METHODOLOGY: ASTM D445, ASTM D1481, API RP40)

PROJECT NAME: Keyspan - Hempstead Int.  
PROJECT NO: 11175065

SAMPLE ID	MATRIX	TEMPERATURE, °F	SPECIFIC GRAVITY	DENSITY, g/cc	VISCOSITY	
					centistokes	centipoise
HIMW-6S (DNAPL)	DNAPL	55	1.0727	1.0721	322	346
HIMW-7S (DNAPL)	DNAPL	55	1.0803	1.0797	375	405
HIMW-17S (DNAPL)	DNAPL	55	1.0565	1.0559	150	158
HIMW-1S (DNAPL)	DNAPL	55	1.0394	1.0388	65.5	68.0
HIMW-18S (DNAPL)	DNAPL	55	1.0645	1.0639	844	898
PZ-08 (DNAPL)	DNAPL	55	1.0953	1.0946	424	464
HIMW-19S (DNAPL)	DNAPL	55	1.0836	1.0830	134	145
HIMW-16I (DNAPL)	DNAPL	55	1.0807	1.0800	346	373
HIMW-16S (DNAPL)	DNAPL	55	1.0782	1.0776	258	278

DRAFT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

GC FINGERPRINT ANALYSIS

Client/Project: URS Corp/Keyspan - Hempstead

Date Received: 4/17/07

Date Analyzed: 4/20/07

Lab ID	Client ID	RESULTS
03728-008	HMW-11S	This sample closely approximates but is not an exact match of Fuel Oil Standard #2. Variations in the sample as compared to the standards may be attributed to weathering, evaporation, contamination and/or degradation.

rec'd PVR 11-14-07 (via e-mail)

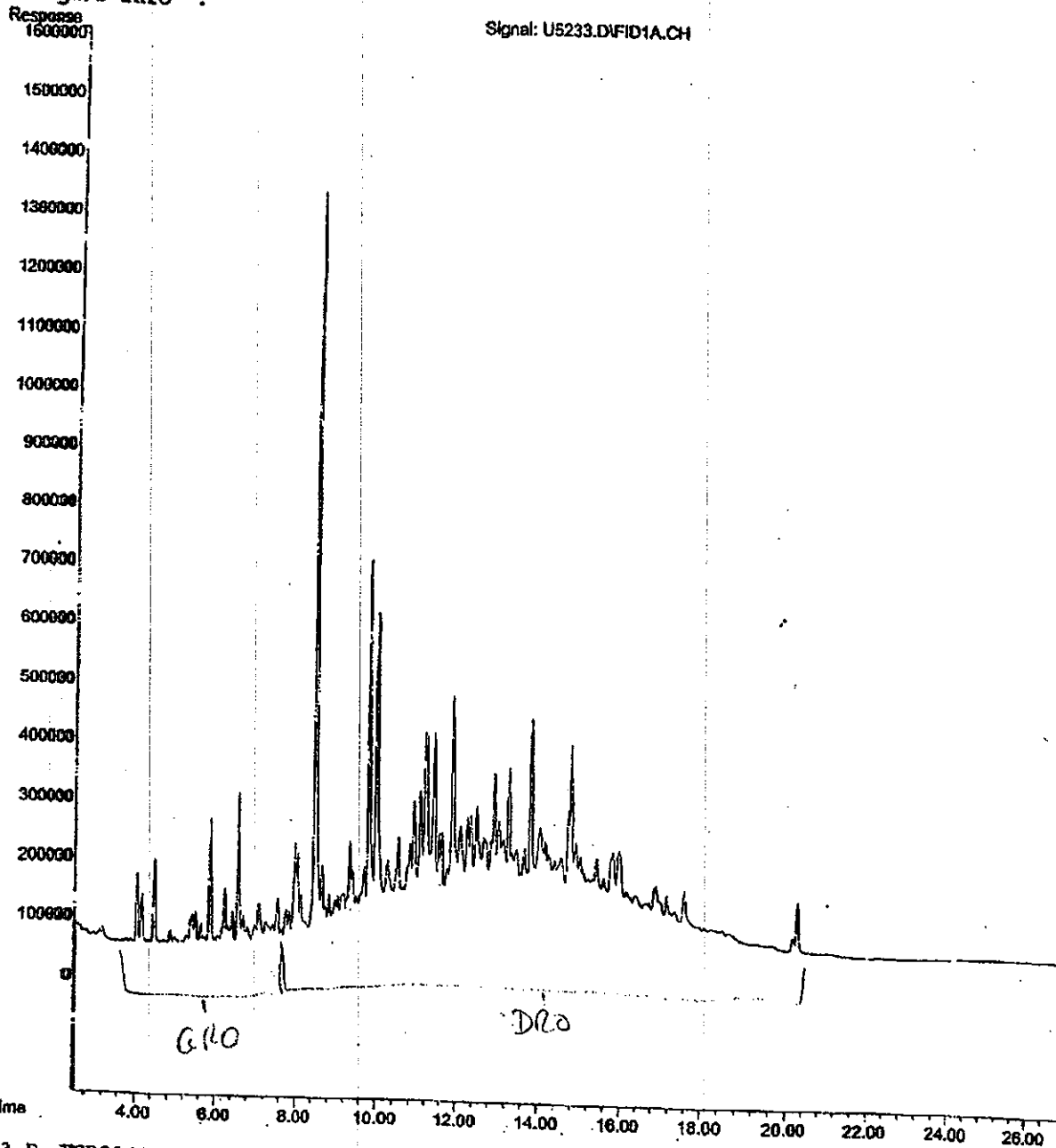
m:\Project\Keyspan\ fingerprint analysis (4-17-07).pdf

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-20-07\U5233.D Vial: 7  
Acq On : 20 Apr 2007 11:22 Operator: MJ  
Sample : HIMW-118,03728-008,A,500ml,100;04/19/07, Inst : GC U  
Misc : URS-WAYNE/KEYSPAN\_,04/17/07,04/17/07,10 Multiplr: 1.00  
IntFile : autoint1.e  
Quant Time: Apr 20 13:08 2007 Quant Results File: UGRO0416.RES

Quant Method : C:\MSDCHEM\1\METHODS\UGRO0416.M (Chemstation Integrator)  
Title :  
Last Update : Tue Apr 17 10:28:47 2007  
Response via : Multiple Level Calibration  
DataAcq Meth : UGRO0416.M

Volume Inj. :  
Signal Phase :  
Signal Info :



Quantitation Report

(QT Reviewed)

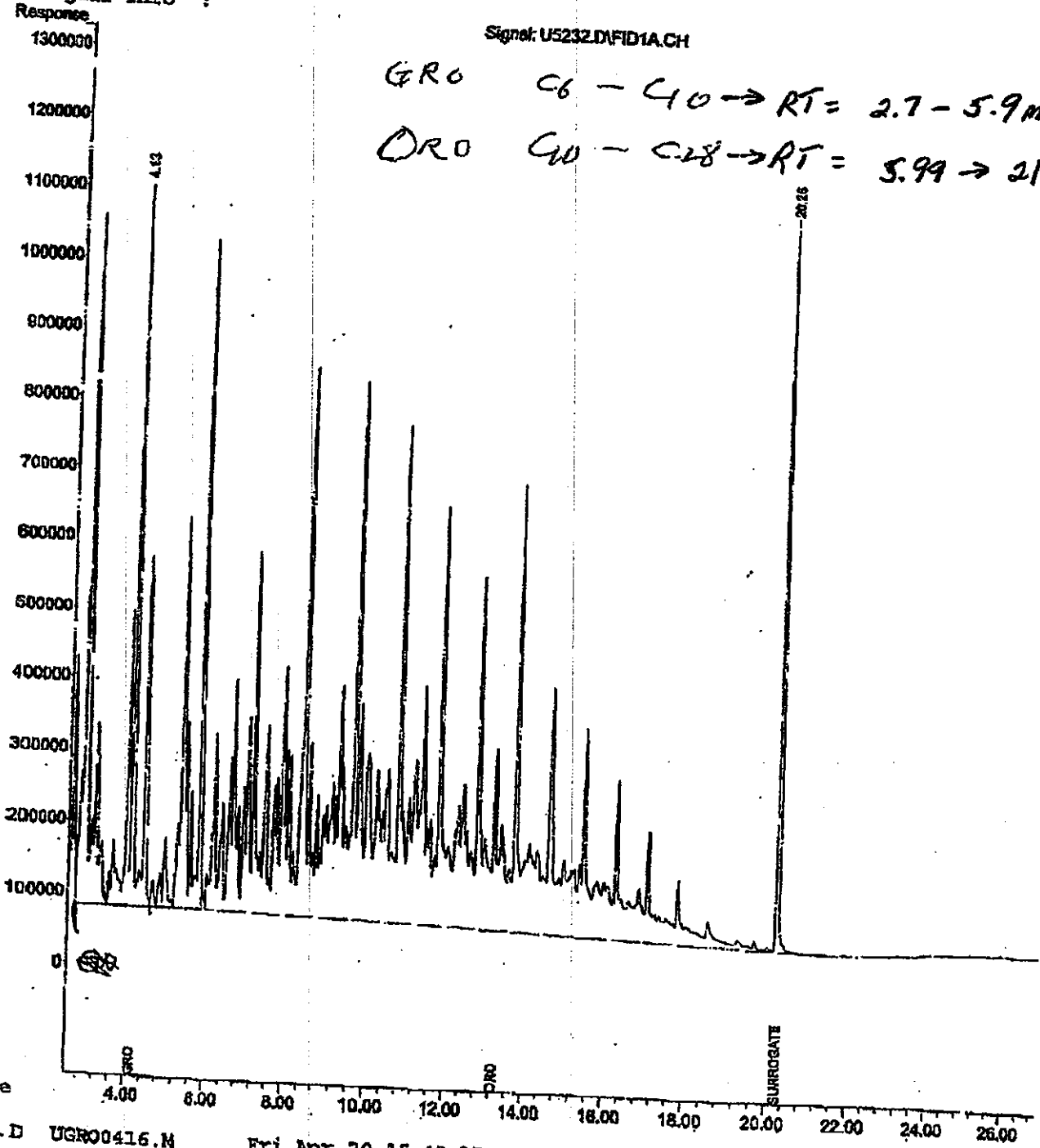
Date File : C:\MSDCHEM\1\DATA\04-20-07\U5232.D  
 Acq' On : 20 Apr 2007 10:49  
 Sample : DRO/GRO\_IAS\_2814,1000\_PPM  
 Misc : NA,NA,NA,1  
 IntFile : autoint1.e  
 Quant Time: Apr 20 11:19 2007

Vial: 3  
 Operator: MJ  
 Inst : GC\_U  
 Multiplr: 1.00

Quant Results File: UGRO0416.RES

Quant Method : C:\MSDCHEM\1\METHODS\UGRO0416.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Apr 17 10:28:47 2007  
 Response via : Multiple Level Calibration  
 DataAcq Meth : UGRO0416.M

Volume Inj. :  
 Signal Phase :  
 Signal Info :



Signal: U5232.D\FID1A.CH  
 GRO C6 - C10 -> RT = 2.7 - 5.9 mins  
 DRO C10 - C18 -> RT = 5.99 -> 21.9 mins

Quantitation Report (QT Reviewed)

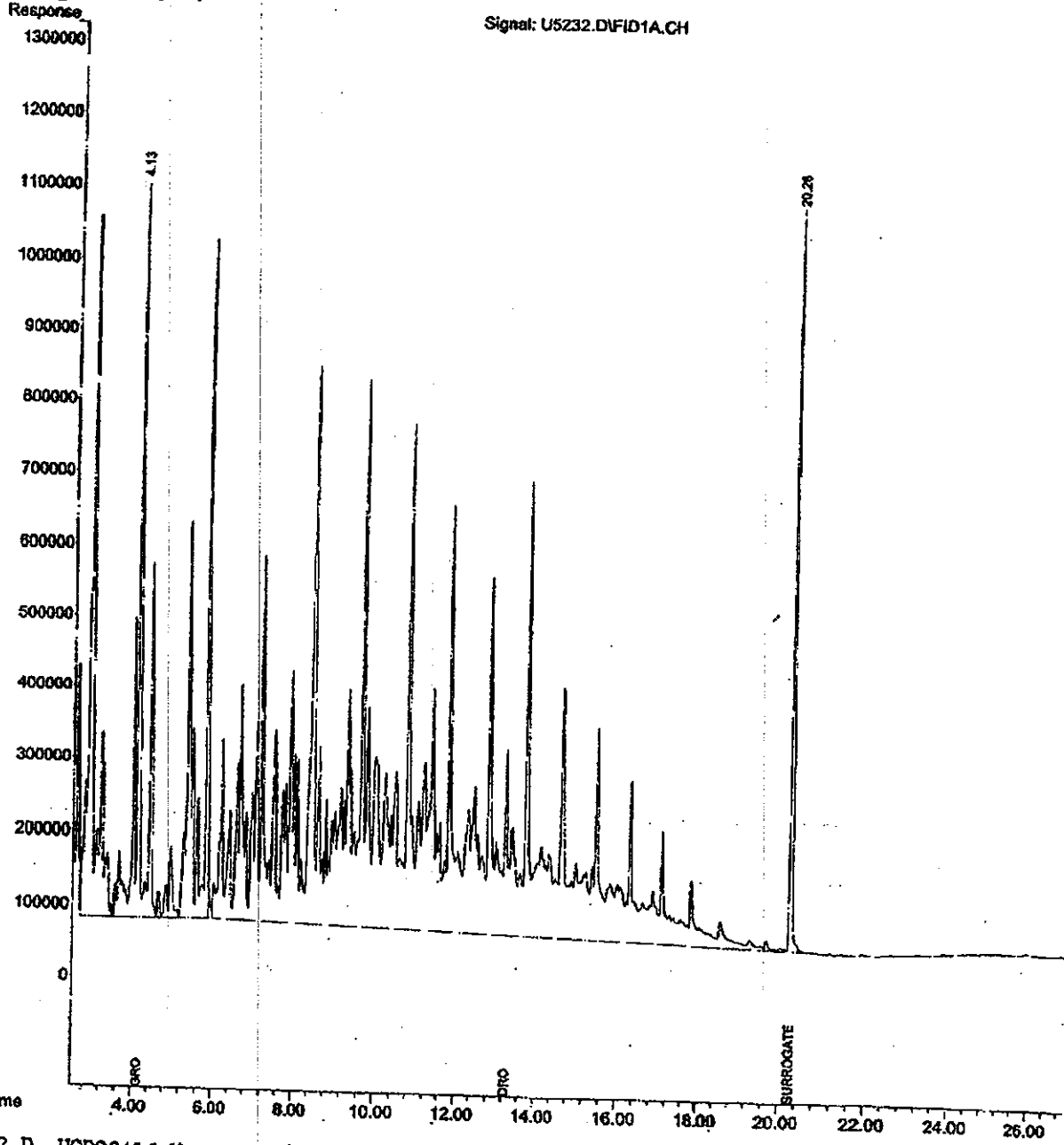
Data File : C:\MSDCHEM\1\DATA\04-20-07\U5232.D  
Acq On : 20 Apr 2007 10:49  
Sample : DRO/GRO\_IAS\_2814,1000\_PPM  
Misc : NA,NA,NA,1  
IntFile : autoint1.e  
Quant Time: Apr 20 11:19 2007

Vial: 3  
Operator: MJ  
Inst : GC\_U  
Multiplier: 1.00

Quant Results File: UGRO0416.RES

Quant Method : C:\MSDCHEM\1\METHODS\UGRO0416.M (Chemstation Integrator)  
Title :  
Last Update : Tue Apr 17 10:28:47 2007  
Response via : Multiple Level Calibration  
DataAcq Meth : UGRO0416.M

Volume Inj. :  
Signal Phase :  
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\04-20-07\U5232.D Vial: 3  
 Acq On : 20 Apr 2007 10:49 Operator: MJ  
 Sample : DRO/GRO\_IAS\_2814,1000\_PPM Inst : GC\_U  
 Misc : NA,NA,NA,1 Multiplr: 1.00  
 IntFile : autoint1.e  
 Quant Time: Apr 20 11:17:05 2007 Quant Results File: UGRO0416.RES

Quant Method : C:\MSDCHEM\1\METHODS\UGRO0416.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Apr 17 10:28:47 2007  
 Response via : Initial Calibration  
 DataAcq Meth : UGRO0416.M

Volume Inj. :  
 Signal Phase :  
 Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S SURROGATE	20.27f	33690317	95.006 ng
Spiked Amount 100.000		Recovery =	95.01%
Target Compounds			
2) H GRO	4.15	267677974	1032.593 ng
3) H DRO	13.28	917792592	1106.999 ng

(f) = RT Delta > 1/2 Window

U5232.D UGRO0416.M

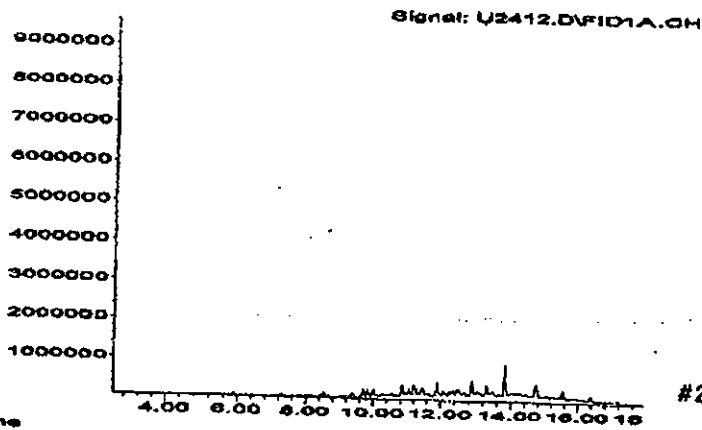
Fri Apr 20 15:48:33 2007

(m) = manual int.  
 GC\_U

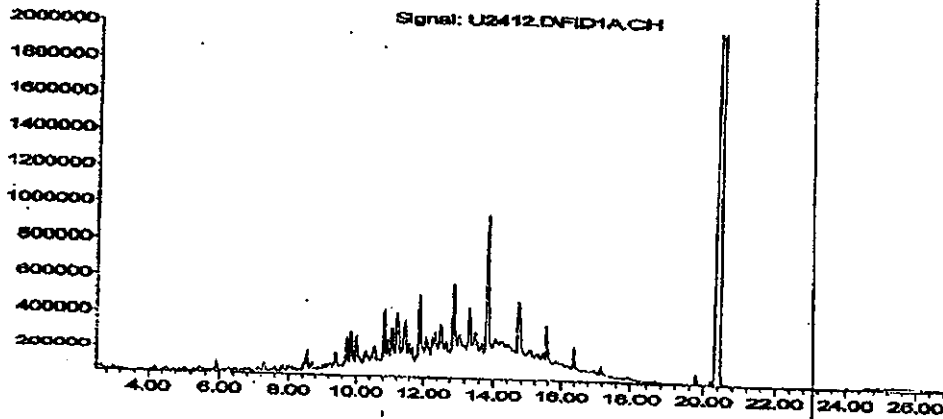


#2 Fuel oil

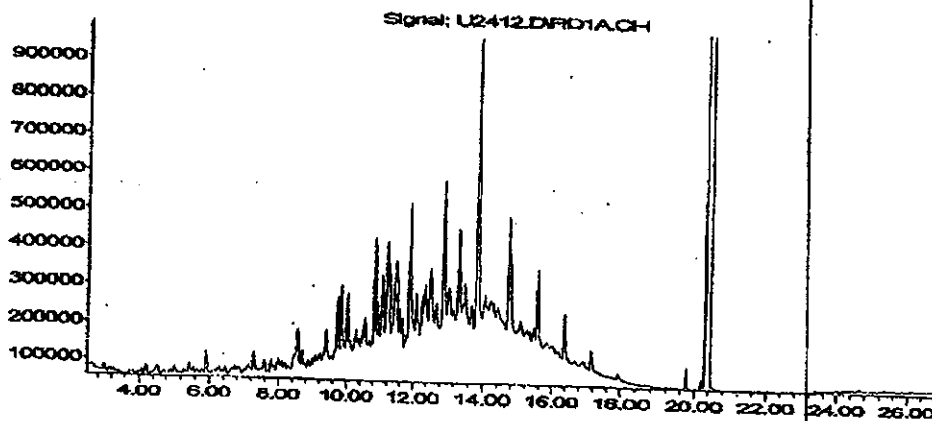
Response



Time  
Response



Time  
Response



Time

INTEGRATED ANALYTICAL LABORATORIES  
CHAIN OF CUSTODY

275 Franklin Rd  
Rutherford, NJ 07070

**REPORTING INFO**

Company: URS CORPORATION  
 Address: 201 KNOWLTON BLVD  
WAYNE, NJ 07474  
 Telephone #: 973-785-0700  
 Fax #: 973-785-0023  
 Project Manager: MIKE AKERBERG  
 Supplier: TTI/EM/HEAD  
 Project Name: KEYSAND HARBOR  
 Project Location (State): NY  
 Bottle Order #: \_\_\_\_\_  
 Quote #: \_\_\_\_\_

REPORT TO: Mike Akersberg  
 Address: Michael Akersberg  
 Address: Wiscasset, ME  
 Address: Wiscasset, ME  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_

**REPORTING INFO**

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)  
 Lab notification is required for RUSH YAT order to sample arrival. RUSH YAT IS NOT  
 GUARANTEED. WITHOUT LAB APPROVAL, RUSH SURCHARGES WILL APPLY IF ABLE TO  
 ACCOMMODATE\*\*

Report Format: \_\_\_\_\_  
 Results Only \_\_\_\_\_  
 Reduced \_\_\_\_\_  
 Regulatory \_\_\_\_\_  
 Other (describe) \_\_\_\_\_

Batch YAT Charge\*\*  
 24 hr - 180%  
 48 hr - 75%  
 72 hr - 50%  
 96 hr - 35%  
 5 Day - 25%  
 6-9 day 10%

Results needed by: \_\_\_\_\_  
 14 hr 48 hr 72 hr NA  
 Verbal/RAX \_\_\_\_\_  
 24 hr 48 hr 72 hr 1 wk  
 Hard Copy \_\_\_\_\_  
 2 wk call for price

DISKETTE  
 SER. APT format  
 (SER. apt format)  
 Lab approved custom  
 FDD  
 NO DISKED RECD

Cook Temp: 23 °C

**ANALYTICAL PARAMETERS**

Client ID	Depth	Date	Time	Mark	Sample	Container	TALE	HC	NOH	BOD5	BOD6	NO3N	Other	Residue
HIMW-02I		4-16-07	1110	AQ		4	1							2
HIMW-02D		4-16-07	1210	AQ		4	2							2
HIMW-11I		4-16-07	1430	AQ		4	3							2
HIMW-11D		4-16-07	1438	AQ		4	4							2
-13-041007		4-16-07	-	AQ		2	5							2
HIMW-08S		4-17-07	1005	AQ		2	6							2
HIMW-08S		4-17-07	1200	AQ		4	7							2
HIMW-11S		4-17-07	1230	AQ		1	8							1

**REPORTING INFO**

Cons. Expected:  Low  Med  High

MDL Req. Old GWQS - 1.1/OS GWQS - SCC - OTHER (SEE COMMENTS)

Comments: \_\_\_\_\_

Lab Case # 3228

**SAMPLE INFORMATION**

Known Hazard: Yes (No) Describe: \_\_\_\_\_

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any  
 ambiguities have been resolved.

Client ID	Depth	Date	Time	Mark	Sample	Container	TALE
HIMW-02I		4-16-07	1110	AQ		4	1
HIMW-02D		4-16-07	1210	AQ		4	2
HIMW-11I		4-16-07	1430	AQ		4	3
HIMW-11D		4-16-07	1438	AQ		4	4
-13-041007		4-16-07	-	AQ		2	5
HIMW-08S		4-17-07	1005	AQ		2	6
HIMW-08S		4-17-07	1200	AQ		4	7
HIMW-11S		4-17-07	1230	AQ		1	8

**CHAIN OF CUSTODY**

Signature/Company: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_

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