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2006 Annual Performance Monitoring Report Essex/Hope Site Jamestown, New York

March 2007 - Final

Prepared for:
Essex Specialty Products, Inc.
Auburn Hills, Michigan

URS Project No. 41567920

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2006 ANNUAL PERFORMANCE MONITORING REPORT

Essex/Hope Site
Jamestown, New York

Prepared for:
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1.0 Introduction

On behalf of Essex Specialty Products, Inc. (ESP), URS has prepared this Annual Performance Monitoring Report for the Essex/Hope Site in Jamestown, New York (NO.9-07-015) as required by the Performance Monitoring Plan (PMP) prepared by Radian International in June 1997, and revised by URS Corp. in October, 2003. This report summarizes the operations and performance monitoring of the site remedial systems for the calendar year of 2006. A site location map is provided as Figure 1.

Section 2.0 of the report summarizes groundwater flow conditions under pumping influence, Section 3.0 discusses groundwater quality, and Section 4.0 details soil vapor extraction (SVE)/air sparging system performance.

1.1 Remedial Systems Overview

There are three separate areas that are the focus of remedial efforts including the North Parking Lot (NPL) Area, the former Underground Storage Tanks (UST) Area, and the former Aboveground Storage Tank/Underground Storage Tank (AST/UST) Area. These areas and the site monitoring points are illustrated on Figure 2.

The remedial systems at the Essex/Hope Site were designed and constructed to address impacted groundwater and soils identified at the three areas of the site (NPL, AST/UST, and UST Areas). Remediation of groundwater and soils at the Essex/Hope Site is performed by a combination of soil vapor extraction, air sparging, and a groundwater extraction and treatment systems. The original remedial action design and implementation was based upon the March 1994 Record of Decision (ROD) issued by the New York State Department of Environmental Conservation (NYSDEC) and included:

- A groundwater remediation system consisting of an extraction well network of five (5) shallow and two (2) deep recovery wells and activated carbon pre-treatment with onsite discharge to the local POTW;
- Soil remediation in the AST/UST and UST Areas by soil vapor extraction (SVE) for volatile organic constituents occurring above the shallow water table.
- Soil excavation in the NPL Area, conducted in September and October of 1996, to remove impacted soils in the former sump and surrounding areas.
- Air sparging in the shallow water-bearing zone of the NPL, UST and AST/UST Areas to supplement the treatment of impacted groundwater via enhanced biodegradation and volatilization of organic constituents. A soil vapor extraction system was added to the NPL Area to collect volatile organic constituents (VOCs) volatilized from the shallow groundwater in this area.
- The remedial areas were capped with either asphalt or concrete to enhance surface water runoff and minimize infiltration.

- A network of monitoring wells across the site (as designated in the Performance Monitoring Plan) is used to measure the effectiveness of the groundwater remedial activities.

1.2 Supplemental Remedial Activities

Voluntary supplemental remedial activities were initiated in 2000, with the approval of the NYSDEC, to refine the understanding of the extent of site related subsurface constituents and to evaluate potential remedial alternatives to enhance remedial effectiveness at the site. Evaluation of those studies continued during 2001 and 2002, and measures to remove residual VOCs in the UST Area were implemented between 2001 and 2003. The results of the additional studies and UST Area work are reported under separate cover. A summary of the additional activities performed at the Site after the initial remedial actions is as follows:

- A pilot scale zero-valent iron permeable reactive barrier (PRB) was injected around recovery well RW-2D and within the lower semi-confined water-bearing zone beneath Building 5 in July 2000. The pilot PRB is designed to evaluate the effectiveness of this technology to reduce and control the migration of dissolved VOC constituents from the site. As part of this evaluation, additional groundwater piezometers were installed in the upper unconfined water-bearing zone and lower semi-confined water-bearing zone for performance monitoring of the pilot PRB. Collection of pilot test data was completed in July 2001, and further evaluation based upon site performance monitoring data was completed in December 2002. Data concerning this pilot test was submitted to the NYSDEC as the Interim Results, PRB Pilot Results for First Four Sample Rounds (URS, February 2001). A final pilot test report detailing results through December 2002 was submitted to NYSDEC in July 2003.
- The former underground storage tanks (USTs) in the UST Area were uncovered in August 2000 and evaluated as a potential ongoing source of VOCs in this area. Additional test borings and groundwater piezometers were installed within the upper shallow semi-confined water-bearing zones in this area to evaluate groundwater and soil chemical conditions, and to refine groundwater flow direction and constituent migration. Results of these activities were reported in the Plant #5 East Area and UST Area Investigations Report (URS, March 2001).
- As part of the UST Area investigation, the area east of Building 5 was evaluated at the request of the NYSDEC to determine the source of vinyl chloride within the lower semi-confined water-bearing zone at Monitoring Well MW-19D, located on the Site's eastern property line. A network of test borings and deep piezometers were installed within the UST Area and on the offsite property to the east for evaluation of chemical conditions within the soil and groundwater. Results of these activities were reported in the Plant #5 East Area and UST Area Investigations Report (URS, March 2001).
- The former USTs (Tanks 1 through 4) in the UST Area were uncovered during 2001 and cleaned-out to remove residual liquids from the tanks. Openings were cut in each tank and the fluid contents removed, and each tank was rinsed with potable water. Following rinsing, the tanks were treated using the Biox® Process to remove residual organic constituents in the tanks by chemical oxidation and biodegradation. Results of the tank cleaning were submitted to the NYSDEC in the Tank Closure Work Plan (URS, September 2001).

- Based upon the results of the Biox solution treatment of the USTs, where VOCs were not reduced below the "clean closure" standard of 5 µg/L within Tanks T-1, T-3 and T-4 as required by the NYSDEC, a UST removal program was initiated by Essex Specialty Products. All five (5) of the former USTs in the UST Area, and over 1000 tons of soil were removed between the period of November 2002 and January 2003. Results of this activity have been submitted to the NYSDEC in the UST Removal Interim Report (URS, February 2003).
- A site investigation was completed in October 2003 to further define conditions in the UST Area and the vinyl chloride groundwater plume on the east side of the former Plant No. 5 building. This investigation was completed to provide data to address potential additional measures for the site cleanup. These potential measures focus on insitu methods especially those that are able to treat both the UST Area contaminants (toluene, ethylbenzene, xylenes) and the vinyl chloride plume. Results of the investigation are reported under separate cover. The new monitoring wells installed as part of these investigations, MW's: 21D, 22D, 23S, 23D and 24S, are shown on Figure 2. Of these wells, MW-21D and MW-22D were added to the Performance Monitoring Plan (PMP) as directed by the NYSDEC. The results of this investigation have been submitted to the NYSDEC in the UST Area and Groundwater Vinyl Chloride Investigations Report (URS, June 2004).
- Supplemental site investigations were performed from November, 2005 through June, 2006 for the UST Area and the offsite groundwater zones. The objectives of the investigations were as follows:

  - *Determine the extent of the residual VOC contamination in the UST Area shallow soils and groundwater.* The most recent investigations (2003) found VOCs in shallow groundwater approximately 30 feet south of the former USTs. Additional investigations were necessary to further delineate the extent of the VOCs to the south and east, and offsite, if necessary.

  - *Determine the extent of the VOC contamination in shallow groundwater in the vicinity of Monitoring Well 14S.* Performance monitoring has indicated that shallow groundwater VOCs have persisted at elevated levels (> 1ppm) in monitoring well 14S, north of the NPL Area and offsite, north of Hopkins Avenue. Previous investigations (June, 2004 report) indicated that MW-14S had a TCE level of 2700 ppb, which was the highest TCE detected in the shallow water-bearing zone. This TCE level was one to two orders of magnitude higher than the TCE levels in shallow zone recovery wells, RW-1S and RW-2S, respectively. Additional investigations were needed in the area around MW-14S to determine the extent of the elevated TCE, and the potential for offsite sources of VOCs.

  - *Determine the extent of the VOCs in deep groundwater in the offsite area northeast and east of CPM Plant No. 5.* The latest offsite groundwater investigations (2003) found VOCs in deep groundwater to the northeast (MW-22D) of the site, approximately 50 ft beyond the property boundary. This area is in the downgradient groundwater direction (under non-pumping conditions), and the VOCs are expected to be residual contamination from migration of the historic plume. Additional investigations were necessary to determine the extent of the offsite deep groundwater VOC plume.

The investigations included discrete sampling of the shallow and deep groundwater zones using the direct-push drilling equipment and residential vapor sampling by shallow probes installed near occupied buildings above the shallow VOC plume locations. The results of these investigations were summarized in a separate report submitted to NYDEC in December 2006.

1.3 Major System Modifications

Major modifications to the original remedial systems configuration since startup in 1997 have included the following:

- Groundwater extraction from Recovery Well RW-1D, screened across the deep water-bearing zone in the NPL Area, was discontinued in June 1999 with the approval of the NYSDEC. As reported in the 1999 Annual Performance Monitoring Report (Radian International, April 1999), a pumping evaluation completed in the first half of 1999 revealed that vertical leakage was occurring from the shallow water-bearing zone to the deep water-bearing zone due to pumping from the deep zone. Based upon this information, and the fact that the majority of the groundwater constituents are recovered from RW-2D, NYSDEC recommended that RW-1D be shut down as documented in the June 17, 1999 correspondence from the NYSDEC to Radian International.
- The air sparging system in the NPL Area was shut down in July 2000, with the approval of the NYSDEC, to prevent the oxidation of the newly installed Pilot Permeable Reactive Barrier (PRB) and zero-valent iron injections in that area. The soil vapor extraction system has continued to be operated in this area as needed to collect potential gases produced by subsurface reactions associated with the Pilot PRB and zero-valent iron injections in that area.
- Air sparging in the UST Area was discontinued in October 2000 after mechanical failure of the air sparge pump. Since the combined soil vapor extraction/air sparging system had reached its practical remedial effectiveness, Essex Specialty Products initiated activities to evaluate conditions in this area in 2000 and implement supplemental remedial activities to replace the original system, with the approval of the NYSDEC. These supplemental remedial activities include the *insitu* cleaning of the former USTs completed in December 2001 and February 2003, and the UST removals completed between November 2002 and January 2003.
- The soil vapor extraction system and groundwater recovery system (Recovery Wells RW-4S and RW-5S) in the UST Area were shut down in November 2002 for the UST removal activities. Excavation work resulted in complete removal of the electrical system for the UST Area, Recovery Well RW-4S, and underground piping to the soil vapor extraction/air sparging wells and existing Recovery Well RW-5S. These systems are currently shut down. There are no plans at this time to redesign or reconstruct the UST Area remediation system.
- Future system modifications are anticipated as a result of the findings of the 2005-2006 UST Area and Offsite Groundwater Investigations. These modifications are expected to include one or more additional recovery wells in the deep groundwater zone VOC plume offsite to the north. VOCs in the UST Area shallow groundwater and other offsite shallow and deep groundwater zones are currently being evaluated for insitu treatment technologies.

1.4 Performance Criteria

The performance criteria to evaluate remediation effectiveness are the Remedial Action Objectives (RAOs) included as Appendix A in the March 1994 Record of Decision (ROD) for the site. Table 1 summarizes the RAOs for the site. Performance monitoring completed during the 2006 calendar year consisted of monthly groundwater pre-treatment system influent and effluent analysis, semi-annual recovery well groundwater analysis, semi-annual SVE system air stream analysis and annual groundwater sampling of the monitoring wells selected as performance monitoring points. No soil sampling was completed during 2006.

2.0 Groundwater Flow Evaluation

This section presents a summary of the 2006 quarterly groundwater flow conditions as well as an annual evaluation of the extraction system. The annual evaluation reviews each extraction well's pumping rates, the amount of pore volume exchanged in each remedial area and groundwater flow conditions over the course of the extraction period.

The site groundwater has been identified as two (2) zones for descriptive purposes. These are the shallow water-bearing (shallow) and the lower fine-sand water bearing zone (LFSWBS or deep). Detailed descriptions of these geologic zones are found in other site reports.

Water level measurements were obtained periodically during system operation and are provided in Appendix A. Groundwater contour maps representative of pumping conditions during the reporting period are provided as Figures 3 through 10 for the shallow and deep water-bearing zones.

2.1 Groundwater Extraction System Operation and Maintenance

The groundwater extraction system was operated continuously throughout the reporting period with the exception of system shutdowns and routine maintenance as summarized below:

- Recovery Wells were offline between October 3, 2006 and October 5, 2006 for well development, meter cleaning, and Recovery Well RW-2D acid treatment.
- Recovery Wells were offline on October 11, 2006 to October 12, 2006 for completion of well development.
- Recovery Well RW-2S remained offline from October 11, 2006 to November 6, 2006 for system repairs.
- On October 19, 2006, all Recovery Wells and treatment system were offline due to a block in the discharge meter.
- Recovery Wells were offline between November 2, 2006 and November 6, 2006 for electrical system repair. Recovery well RW-3S remained offline until November 14, 2006 when a faulty pump motor was replaced.
- All systems experienced a period of shutdown in early December 2006 due to an electrical power outage.

2.2 Annual Groundwater Extraction

Groundwater pumping volumes are provided in Table 2. In 2006, 1.39 million gallons of groundwater were extracted and treated by the recovery system. Approximately 949,265 gallons of groundwater were extracted from the deep groundwater zone (LFSWBZ) and approximately

442,473 gallons of groundwater were extracted from the shallow water-bearing zone. Overall extraction volumes were much less in 2006 due to late development of Site Recovery Wells and system down time as a result of equipment malfunction. Groundwater extraction from each treatment area is discussed below.

Recovery wells RW-1S and RW-2S extract groundwater from the shallow zone in the NPL Area. A combined total of approximately 432,802 gallons of groundwater were extracted from this zone during 2006. Groundwater extraction rates were variable throughout the year depending upon recharge from precipitation events, and pumping well efficiency. The average steady state groundwater extraction rate from the NPL Area shallow zone by quarter is as follows:

- 1st Quarter: 1.22 gpm
- 2nd Quarter: 0.66 gpm
- 3rd Quarter: 0.22 gpm
- 4th Quarter: 0.90 gpm

In the AST/UST area, approximately 9,671 gallons of groundwater was extracted from Recovery Well RW-3S during 2006. The average steady state groundwater extraction rate from the AST/UST Area shallow zone by quarter is as follows:

- 1st Quarter: 0.026 gpm
- 2nd Quarter: 0.009 gpm
- 3rd Quarter: 0.014 gpm
- 4th Quarter: 0.028 gpm

A total of approximately 949,265 gallons of groundwater was extracted from the deep zone from RW-2D during 2006. The average steady state groundwater extraction rate from the NPL Area deep zone by quarter is as follows:

- 1st Quarter: 0.81 gpm
- 2nd Quarter: 2.11 gpm
- 3rd Quarter: 1.88 gpm
- 4th Quarter: 2.59 gpm

2.3 Groundwater Flow Conditions

Groundwater flow conditions in the shallow and deep water-bearing zones at the site for the 2006 period are presented in this section. Groundwater contour maps representing pumping conditions within the shallow and deep zones are provided as Figures 3 through 10. Pumping conditions in each groundwater zone are described below.

2.3.1 Shallow Zone

The natural (non-pumping) shallow groundwater flow direction is toward the northeast in the NPL and AST/UST Areas. The groundwater flow direction from the UST Area is radial with a general flow direction toward the northeast, with western and eastern flow components. Figures 4, 6 and 8 represent groundwater flow conditions during pumping in the shallow zone for 2006. Figure 10 represents groundwater flow conditions during non-pumping periods.

Groundwater flow conditions were uniform within the NPL Area during 2006 under pumping conditions. A cone of depression was maintained, during pumping conditions, throughout the NPL area and is depicted on Figures 4, 6, and 8. Generally, the cone of depression was approximately 2 – 5 feet lower in elevation than the non-pumping water elevation.

Groundwater flow across the AST/UST is toward the northeast. Groundwater is extracted in this area from RW-3S, located on the downgradient edge of the area. Pumping performance in this area has remained consistent with conditions experienced during previous years. A significant cone of depression is not developed within this area due to the low transmissivity of the thin saturated zone. The low yield from the recovery well causes the pumping system to cycle as the control system alternately activates and de-activates the pump based upon water level within the well, rather than sustaining a steady pumping rate from the well.

No groundwater was directly extracted from the UST Area during 2006. Evaluation of the groundwater contours in this area indicates that a mound effect of the water table remains after removal of the tanks. Groundwater capture from pumping in the NPL Area is apparent on the western side of the area and to the north beneath Building 5. Groundwater on the east of the area appears to flow away to the northeast, east and south.

2.3.2 Deep Zone

Groundwater pumping from the LFSWBZ occurred only from RW-2D in the NPL Area during 2006. The natural groundwater flow direction of the deep zone under non-pumping conditions is toward the northeast across the site. Groundwater contour maps (Figures 5 and 9) represent groundwater flow during non-pumping conditions in the deep zone for 2006. These well readings were taken after temporary shutdowns of RW-2D. Groundwater contour maps (Figures 3 and 7) represent groundwater flow conditions during pumping in the deep zone for 2006. The potentiometric contour maps for the groundwater monitoring events during pumping conditions in 2006 are relatively similar, with minor elevation changes due to drawdown differences in RW-2D. Groundwater capture occurs throughout the NPL Area and Building 5. Groundwater contours to the northeast and east of Building 5 (offsite) indicate that pumping from RW-2D is not influencing the groundwater in this area.

3.0 Water Quality Results and Summary

Groundwater sampling during 2006 represented the ninth full year of operation of the remedial systems. Groundwater sampling for 2006 consisted of the following:

- Semi-Annual Recovery Well Sampling for VOCs
- Annual Sampling of the Performance Monitoring Plan (PMP) well network for VOCs (conducted in November 2006)
- Monthly influent and effluent sampling of the wastewater pre-treatment system in support of POTW permit requirements.

Tables 3 and 4 summarize the recovery well analytical data. Table 3 provides a summary of the semi-annual recovery well data for 2006 and Table 4 summarized annual total VOCs concentrations for each well. The performance monitoring well data is provided in Tables 5 and 6. Tables 7 through 9 represent the wastewater influent, treatment and effluent sample data for 2006. Recovery Well performance data is illustrated in Appendix A-3. Laboratory Certificates of Analysis are included in Appendix B. The following sections describe the conditions occurring in each of the three remedial areas, with a comparison to previous analytical results.

3.1 North Parking Lot (NPL) Area

Both the shallow water-bearing zone and the deeper lower fine sand water-bearing zone are monitored in the NPL Area. The shallow monitoring system for the NPL Area consists of Recovery Wells RW-1S and RW-2S, as well as monitoring wells MW-6, MW-7S, MW-14S, and MW-15S. There were a combined total of nearly 22,000 µg/L VOCs detected at these locations in 2006. RW-1S and RW-2S removed approximately 2.8 lbs of VOCs from this zone, in Year 2006, for a total of 35 lbs since system startup.

The NPL deep water-bearing zone monitoring network consists of Recovery Wells RW-1D and RW-2D sampled semi-annually, and Monitoring Wells MW-7D, MW-8, MW-14D, MW-15D, MW-19D and MW-21D and MW-22D sampled annually. Note monitoring locations VP-6D, PZ-7D, and PZ-11D were added to the PMP annual monitoring schedule starting in 2005, at the direction of the NYSDEC. While RW-1D has been offline since 1999, it remains part of the semi-annual sampling scope for the recovery wells. Combined total VOCs concentrations detected in the deep zone recovery wells were nearly 16,000 µg/L for 2006. Recovery well RW-2D demonstrated continued efficiency by removing approximately 556 lbs of VOCs from the deep groundwater in Year 2006.

3.2 AST/UST Area

The AST/UST Area shallow groundwater is monitored by Recovery Well RW-3S and Monitoring Well MW-2. Recovery Well RW-3 detected 236 µg/L VOCs and was responsible for the removal of 0.01 lbs of VOCs from the area in Year 2006. No VOCs were detected in MW-2.

3.3 UST Area

Monitoring points in the UST Area consist of Recovery Wells RW-4S and RW-5S that were sampled quarterly through September 2002. These wells were either demolished (RW-4S) or shutdown (RW-5S) during removal of the UST Area tanks in 2002/2003. From 2003, MW-20 was the only well to be sampled annually from this area. However, at the direction of the NYSDEC, PZ-11D was added to the PMP monitoring schedule as of 2005. Total VOCs detected in MW-20 and PZ-11D for 2006 were 6,182 µg/L and 43 µg/L, respectively. Prior to UST removal activities in 2002, RW-4S and RW-5S were effective in removing approximately 110 lbs of VOCs from the groundwater since system startup.

3.4 Groundwater Treatment System

The site groundwater treatment system consists of a 2,200 gallon equalization tank, transfer pump, sediment filters, and two (2) 900 lb granular carbon treatment vessels arranged in series. A third carbon treatment vessel is retained as a spare for carbon change-outs. The groundwater pumped from the recovery wells is discharged to the equalization tank, and pumped through the carbon vessels for pre-treatment prior to discharge to the City of Jamestown Publicly Owned Treatment Works (POTW) for final treatment.

Pursuant to the City of Jamestown Board of Public Utilities (BPU) Industrial Wastewater Discharge Permit Number 26 (Permit), the pre-treatment system is monitored for pH and VOCs to ensure compliance with the discharge requirements. Sampling points include the influent, primary carbon effluent and secondary carbon effluent (discharge to POTW). These points are sampled on a monthly basis and reported to the Jamestown BPU on a semi-annual basis.

Groundwater pre-treatment system data for 2006 is summarized in Tables 7 through 9. These tables represent system influent, individual carbon vessel effluent and post carbon (system discharge to POTW) concentrations. Note that after June 2003, only two carbon vessels were used for treatment of groundwater prior to discharge to the POTW. The third carbon vessel was removed from the treatment system after the UST removal activities were complete. Pre-Carbon influent concentrations reflect a composite from all of the operating groundwater extraction wells prior to pre-treatment.

4.0 SVE/Sparging System Performance

The soil vapor extraction (SVE) and groundwater sparging systems in the NPL, UST and AST/UST Areas were started-up during the third and fourth quarters of 1997. The SVE/Sparging systems were designed to enhance dissolved constituent removal from the shallow water-bearing zone in the NPLS Area; and to reduce the contaminant source in both the unsaturated zone and shallow groundwater in the AST/UST and UST Areas. No air sparging was conducted in the UST Area during 2005 as the SVE/Sparging System in the UST Area was demolished in November 2002 as part of the UST tank removal activity. System air stream analytical data is presented in Appendix B.

Air stream analytical samples were collected to monitor system performance in each treatment area. The air samples are analyzed for volatile constituents by Microseeps Inc. of Pittsburgh, Pennsylvania. The air stream samples represent a grab sample of the system influent (main header) and effluent (post carbon) for the date collected. Influent sample results vary depending upon system extraction efficiency related to the moisture content in the vadose zone and the quantity of condensate water collected in the SVE wells and piping laterals.

4.1 NPL Area

The SVE system in the NPL Area is operated primarily as a safeguard to collect any potential vapors released from groundwater as a result of the 2000-2002 pilot PRB. The groundwater air-sparging system was shut down in 2000 to eliminate potential interference with the PRB pilot test with the approval of the NYSDEC. Air stream samples were collected in the NPL Area in April, July, and October 2006. Analytical results continued to showed low detections of TCE and cis-1,2-DCE.

4.2 AST/UST Area

The AST/UST Area system experienced a period of shutdown in late 2005 and early 2006 due to repairs needed on the condensate tank float assembly as well as the electrical system. The system was restarted in March 2006 following installation of new parts. Another extended period of shutdown began in late August 2006 due to motor failure and additional mechanical malfunctions. The system remains shutdown as options are assessed to determine optimal efficiency, cost effectiveness, and advantage associated with its repair and future operations.

Air stream samples in the AST/UST Area were collected in April and July 2006. Analytical results showed a low detection of TCE in July 2006. No VOCs were detected in April 2006.

5.0 Future Plans

Operation, maintenance and monitoring of the remedial systems will continue in Year 2007. Supplemental remedial actions will be evaluated for the off-site groundwater plumes described in the recent site investigations report: *UST Area and Off-site Investigations Report, December, 2006.* Proposed remedial actions will be described in a Remedial Action Plan for submittal to NYDEC. No schedule has been set for submittal of the plan.

Additional activities planned for 2007 include the following:

- Revision and update of the *Performance Monitoring Plan for the Essex Hope Site, October, 2003.* This plan covers a monitoring period through 2006. Year 2007 monitoring points and frequency are assumed to be the same as the current plan, at least up to implementation of any supplemental remedial actions.

- Renewal of City of Jamestown BPU Discharge Permit. The current permit is in effect until November 3, 2007.

TABLES

Table 1

Soil and Groundwater Remedial Action Objectives (RAOs)
Essex/Hope Site
Jamestown, New York

MEDIA	PARAMETER	RAO
Soil	Total Volatile Organics Compounds (VOCs)	10 ppm
	Each individual VOC	1 ppm
	Total Semi-Volatile Organic Compounds (SVOCs)	500 ppm
	Each Individual SVOC	50 ppm
	Polychlorinated Biphenyls (PCBs)	10 ppm
Groundwater[(1)]	Trans-1,2-Dichloroethylene	5 ppb
	Trichloroethene (trichloroethylene)	5 ppb
	Vinyl Chloride	5 ppb
	Ethylbenzene	5 ppb
	Toluene	5 ppb
	Xylene	5 ppb
	PCBs	0.1 ppb

(1) = Other compounds, not listed, would have RAOs in compliance with NYSDEC Ambient Groundwater Quality Standards.
ppm = part per million
ppb = part per billion

Table 2

2006 Groundwater Extraction Summary
Essex/Hope Site
Jamestown, NY

Period	Recovery Well				
	RW-1S Gallons Pumped	RW-2S Gallons Pumped	RW-3S Gallons Pumped	RW-1D Gallons Pumped	RW-2D Gallons Pumped
1st Quarter	26,254	190,092	3,297	0	196,574
2nd Quarter	10,063	81,308	1,611	0	*211,101*
3rd Quarter	18,897	6,385	1,451	0	225,627
4th Quarter	21,554	78,249	3,312	0	315,963
Total	**76,768**	**356,034**	**9,671**	**0**	**949,265**

Period	Site Area		
	NPLS Shallow Area Gallons Pumped	AST Area Gallons Pumped	NPLS Lower Fine Sand Water Bearing Zone Gallons Pumped
1st Quarter	216,346	3,297	196,574
2nd Quarter	91,371	1,611	211,101
3rd Quarter	25,282	1,451	225,627
4th Quarter	99,803	3,312	315,963
Total	**432,802**	**9,671**	**949,265**

Period	Total Estimated Gallons Pumped - All Areas
1st Quarter	416,217
2nd Quarter	304,083
3rd Quarter	252,360
4th Quarter	419,078
Total	**1,391,738**

Table 3

2006 Semi-Annual Recovery Well Analytical Results (µg/L)
Essex/Hope Site
Jamestown, NY

July 11, 2006

Volatile Organic Compounds	Site GW RAOs	RW-1S	RW-1D	RW-2S	RW-2D	RW-3S
Acetone		ND	ND	ND	ND	ND
Benzene		ND	**2.3**	ND	**8.7**	**12**
Isopropylbenzene (Cumene)		ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	**5.3**	ND	**22**	ND
cis-1,2-Dichloroethene		**870**	**510**	**9.8**	**4,700**	**11**
trans-1,2-Dichloroethene	**5**	**9**	**21**	ND	**38**	ND
Ethylbenzene	**5**	ND	ND	ND	ND	**5.2**
Toluene	**5**	ND	ND	ND	ND	ND
Trichloroethene	**5**	**2,900**	**18**	**23**	**820**	**6.8**
Vinyl Chloride	**5**	**16**	**60**	ND	**910**	**20**
Xylenes (total)	**5**	ND	ND	ND	ND	**ND**

December 21, 2006

Volatile Organic Compounds	Site GW RAOs	RW-1S	RW-1D	RW-2S	RW-2D	RW-3S
Acetone		ND	ND	ND	ND	ND
Benzene		ND	**2.5**	ND	**9.8**	**71**
Isopropylbenzene (Cumene)		ND	ND	ND	ND	**12**
1,1-Dichloroethane		ND	ND	ND	ND	ND
1,1-Dichloroethene		**5.7**	ND	ND	**27**	ND
cis-1,2-Dichloroethene		**1,100**	**400**	**33**	**5,500**	ND
trans-1,2-Dichloroethene	**5**	**6.7**	**13**	ND	**37**	ND
Ethylbenzene	**5**	ND	ND	ND	ND	**63**
Toluene	**5**	ND	ND	ND	ND	ND
Trichloroethene	**5**	**4,000**	**19**	**24**	**1,900**	ND
Vinyl Chloride	**5**	**29**	**53**	**6.6**	**860**	**2.7**
Xylenes (total)	**5**	ND	ND	ND	ND	**32**

Notes:

Site GW RAOs = Site Groundwater Remedial Action Objectives

µg/l = Micrograms per liter

ND = Not Detected/Below minimum laboratory reporting limit

Table 4

Recovery Well Total VOCs Concentrations
Esses/Hope Site
Jamestown, NY

Recovery Well	RW-1S	RW-2S	RW-2D	RW-3S	RW-1D	RW-4S	RW-5S
Year	Total VOCs Concentrations (µg/L)						
1997	2,683	5,870	9,763	66,046	185	180,888	6,822
1998	14,958	2,625	15,723	48,045	715	486,247	4,117
1999	880	6,146	30,167	6,062	1,498	374,568	1,373
2000	1,366	7,873	13,191	1,862	2,625	361,035	272
2001	9,788	8,432	30,899	2,097	5,569	308,624	1,622
2002	8,006	1,189	29,621	549	8,374	229,480	723
2003	13,869	1,132	26,322	726	5,847		
2004	12,329	605	15,765	328	1,139		
2005	5,761	479	15,725	254	741		
2006	8,936	96	14,833	236	1,104		

Notes:
µg/L = micrograms per liter
VOC = Volatile organic compounds

Table 5

Annual PMP Wells Analytical Results
November 2006
Essex/Hope Site
Jamestown, NY

Volatile Organic Compounds	MW-2	MW-6	MW-7D	MW-7S	MW-8	MW-14D	MW-14S	MW-15D	MW-15S	MW-19D	MW-20	MW-21D	MW-22D	PZ-7D	PZ-11D	VP-6D
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	13,000	ND	46	ND	ND	43	ND
Benzene	ND	ND	11	ND	ND	ND	2.2	ND	ND	ND	1.6	440	27	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	320	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	11	ND	ND	ND	36	45	ND	ND	ND	510	43	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	2,900	6.6	61	ND	2,700	6,100	ND	ND	ND	130,000	6,000	28	ND	ND
trans-1,2-Dichloroethene	ND	ND	19	ND	ND	ND	33	69	ND	ND	ND	420	46	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	620	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	230	27	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	69	6.3	ND	ND	2,700	380	9.2	ND	ND	480,000	28,000	15	ND	16
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	900	3.7	19	2.3	220	530	ND	140	ND	3,000	210	330	ND	ND
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,010	ND	ND	ND	ND	ND

ND = Not detected
µg/L = Micrograms per liter
MW-7D Results represent duplicate sample results (DUP-01).

Table 6

PMP Wells Total VOCs Concentrations
Esses/Hope Site
Jamestown, NY

Monitoring Well/ Location	MW-2	MW-6	MW-7D	MW-7S	MW-8	MW-14D	MW-14S	MW-15D
Year	Total VOCs Concentrations (µg/L)							
1995	124,650	90	25	430	NA	14	1,135	61
1996	NS	NS	NS	NS	NS	NS	NS	NS
1997	31,958	4,206	1144	350	146	57	4,800	35
1998	267	87	340,061	160	640	0	1,570	39
1999	82	16	17111	11	52	3	267	79
2000	190.55	85	426	1,830	63	5	4,423	429
2001	34	0	6,146	32.7	165.4	0	211	2,283
2002	10.5	0	4,556	18.5	65	0	1,363	4,842
2003	8.6	0	3,383	16.5	90	2.2	6,155	10,713
2004	8.9	0	8,077	23.2	760.8	0	5,060	12,522
2005	11	63	9,299	9	80	0	2,014	12,127
2006	0	0	3,910	16.6	80	2.3	5,691	7,124

Notes:
µg/L = micrograms per liter
NS = Not Sampled
VOC = Volatile organic compounds

Table 6

PMP Wells Total VOCs Concentrations
Esses/Hope Site
Jamestown, NY

Monitoring Well/ Location	MW-15S	MW-19D	MW-20	MW-21D	MW-22D	PZ-7D	PZ-11D	VP-6D
Year	Total VOCs Concentrations (µg/L)							
1995	216	412	NS	NS	NS	NS	NS	NS
1996	NS	NS	NS	NS	NS	NS	NS	NS
1997	208	830	5,594	NS	NS	NS	NS	NS
1998	97	1,100	33,850	NS	NS	NS	NS	NS
1999	16	1,505	42,380	NS	NS	NS	NS	NS
2000	29	1,300	83,713	NS	NS	NS	NS	NS
2001	0	1,200	40,408	NS	NS	NS	NS	NS
2002	0	660	21,592	NS	NS	NS	NS	NS
2003	13	600	44,280	348,541	20,643	NS	NS	NS
2004	6.9	760	27,302	191,697	15,299	NS	NS	NS
2005	5.9	420	10,222	434,175	18,245	426	0	9.3
2006	9.2	13,240	6,182	614,443	34,326	373	43	16

Notes:
µg/L = micrograms per liter
NS = Not Sampled
VOC = Volatile organic compounds

Table 7

2006 POTW Monthly Monitoring - System Pre-Carbon
Volatile Organic Compounds (µg/L)
Essex/Hope Site
Jamestown, NY

Sample Date	9-Feb-06	21-Feb-06	29-Mar-06	27-Apr-06	23-May-06	29-Jun-06	27-Jul-06	22-Aug-06	20-Sep-06	26-Oct-06	27-Nov-06	20-Dec-06
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND
Benzene	5.2	ND	ND	1.0	ND	7.1	8.3	8.3	7.3	7.0	7.7	7.4
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	9.1	ND	ND	ND	ND	19	18	19	16	15	15	19
cis-1,2-Dichloroethene	2,600	94	190	180	190	3,100	3,800	4,100	4,200	3,300	3,800	4,300
trans-1,2-Dichloroethene	9.6	ND	ND	ND	ND	18	35	ND	20	26	18	24
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND
Trichloroethene	660	370	710	570	770	660	930	1,200	1,300	1,400	1,500	1,400
Vinyl Chloride	320	2.6	6.1	4.8	3.8	540	490	690	530	620	530	530
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pre-Carbon TOTAL VOCs	3,603.9	466.6	906.1	755.8	963.8	4,344.1	5,281.3	6,017.3	6,073.3	5,410.0	5,870.7	6,280.4

Notes:

ND = Not detected/Below minimum laboratory reporting limit
Pre-Carbon sample results represent system influent.

Table 8

2006 POTW Monthly Monitoring - System Primary Carbon Effluent
Volatile Organic Compounds (µg/L)
Essex/Hope Site
Jamestown, NY

Sample Date	9-Feb-06	21-Feb-06	29-Mar-06	27-Apr-06	23-May-06	29-Jun-06	27-Jul-06	22-Aug-06	20-Sep-06	26-Oct-06	27-Nov-06	20-Dec-06
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.5
cis-1,2-Dichloroethene	16	13	24	31	36	49	47	40	45	33	1,100	2,500
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	84
Vinyl Chloride	9.3	7.1	9.7	10	7	8.3	5.6	8.1	57	690	560	780
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Primary-Carbon TOTAL VOCs	25.3	20.1	33.7	41.0	43.0	57.3	52.6	48.1	102.0	723.0	1,684.0	3,377.9

Notes:

ND = Not detected/Below minimum laboratory reporting limit
Primary Carbon sample results represent effluent from the first carbon vessel in the two (2) carbon vessel system.

Table 9

2006 POTW Monthly Monitoring - System Post Carbon Effluent
Volatile Organic Compounds (µg/L)
Essex/Hope Site
Jamestown, NY

Sample Date	9-Feb-06	21-Feb-06	29-Mar-06	27-Apr-06	23-May-06	29-Jun-06	27-Jul-06	22-Aug-06	20-Sep-06	26-Oct-06	27-Nov-06	20-Dec-06
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	16	10	9.5	13	9.9	14	11	8.1	7.7	ND	5.7	5.4
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	18	8.6	7.3	7.7	6.3	5.4	3.0	ND	ND	ND	4.1	99
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Post-Carbon TOTAL VOCs	**34.0**	**18.6**	**16.8**	**20.7**	**16.2**	**19.4**	**14.0**	**8.1**	**7.7**	**0.0**	**9.8**	**104.4**

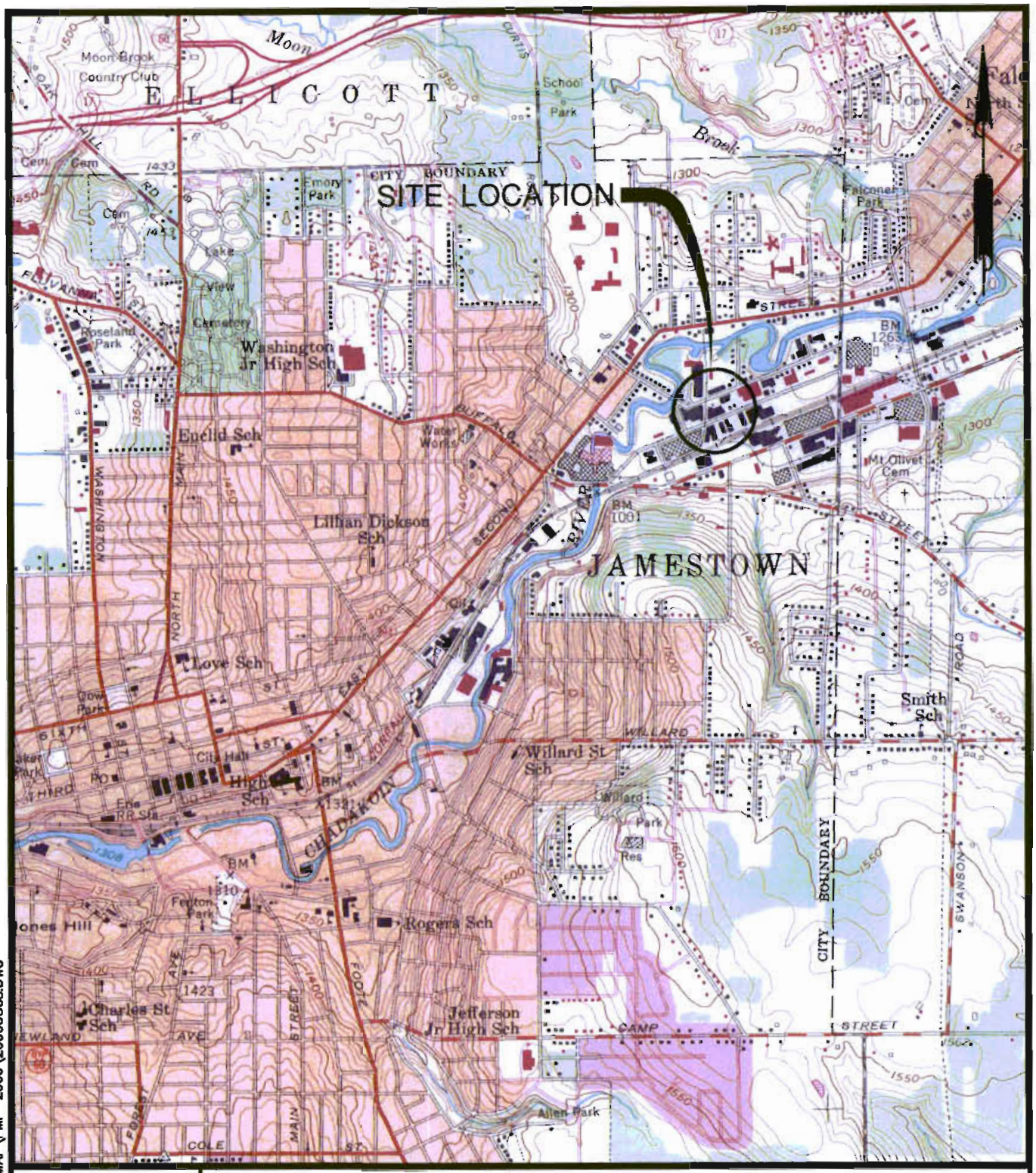
Notes:

ND = Not detected/Below minimum laboratory reporting limit

POTW Discharge Limit = 2,130 ug/L Total Toxic Organics (VOCs)

Post-Carbon sample results represent system effluent from the secondary carbon vessel (or the third carbon vessel if used) to the POTW.
Post-Carbon sample is a laboratory prepared composite of four (4) grab samples taken at 30-minute intervals.

FIGURES



QUADRANGLE LOCATION

0 2000 4000

SCALE IN FEET

REFERENCE:

BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE TOPOGRAPHIC SERIES JAMESTOWN, NY QUADRANGLE. DATED: 1954, PHOTOREVISED: 1979. SCALE: 1" = 2000', CONTOUR INTERVAL IS 10 FEET.

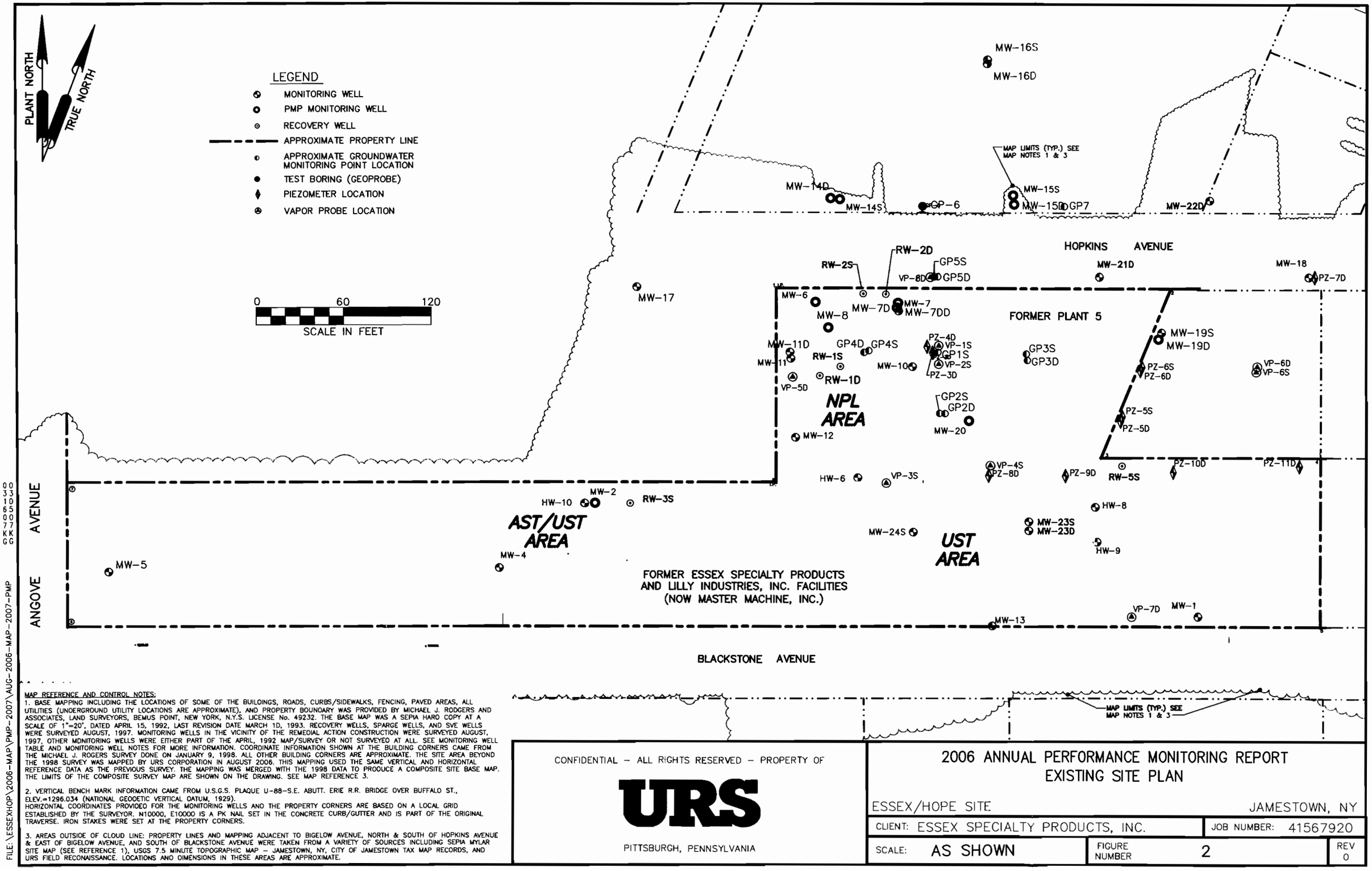
FILE: \ESSEXHOP\2006-MAP\PMP-2006\2000USGS.DWG

00316007KG

URS

2006 ANNUAL PERFORMANCE MONITORING REPORT
SITE LOCATION MAP

ESSEX/HOPE SITE			JAMESTOWN, NY
CLIENT: ESSEX SPECIALTY PRODUCTS, INC.		JOB NUMBER:	41567920
SCALE: AS SHOWN	FIGURE NUMBER 1		REV 0



MAP REFERENCE AND CONTROL NOTES:

1. BASE MAPPING INCLUDING THE LOCATIONS OF SOME OF THE BUILDINGS, ROADS, CURBS/SIDEWALKS, FENCING, PAVED AREAS, ALL UTILITIES (UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE), AND PROPERTY BOUNDARY WAS PROVIDED BY MICHAEL J. RODGERS AND ASSOCIATES, LAND SURVEYORS, BEMUS POINT, NEW YORK, N.Y.S. LICENSE No. 49232. THE BASE MAP WAS A SEPIA HARD COPY AT A SCALE OF 1"=20', DATED APRIL 15, 1992, LAST REVISION DATE MARCH 10, 1993. RECOVERY WELLS, SPARGE WELLS, AND SVE WELLS WERE SURVEYED AUGUST, 1997. MONITORING WELLS IN THE VICINITY OF THE REMEDIAL ACTION CONSTRUCTION WERE SURVEYED AUGUST, 1997. OTHER MONITORING WELLS WERE EITHER PART OF THE APRIL, 1992 MAP/SURVEY OR NOT SURVEYED AT ALL. SEE MONITORING WELL TABLE AND MONITORING WELL NOTES FOR MORE INFORMATION. COORDINATE INFORMATION SHOWN AT THE BUILDING CORNERS CAME FROM THE MICHAEL J. ROGERS SURVEY DONE ON JANUARY 9, 1998. ALL OTHER BUILDING CORNERS ARE APPROXIMATE. THE SITE AREA BEYOND THE 1998 SURVEY WAS MAPPED BY URS CORPORATION IN AUGUST 2006. THIS MAPPING USED THE SAME VERTICAL AND HORIZONTAL REFERENCE DATA AS THE PREVIOUS SURVEY. THE MAPPING WAS MERGED WITH THE 1998 DATA TO PRODUCE A COMPOSITE SITE BASE MAP. THE LIMITS OF THE COMPOSITE SURVEY MAP ARE SHOWN ON THE DRAWING. SEE MAP REFERENCE 3.

2. VERTICAL BENCH MARK INFORMATION CAME FROM U.S.G.S. PLAQUE U-88-S.E. ABUTT. ERIE R.R. BRIDGE OVER BUFFALO ST., ELEV.=1296.034 (NATIONAL GEODETIC VERTICAL DATUM, 1929).
HORIZONTAL COORDINATES PROVIDED FOR THE MONITORING WELLS AND THE PROPERTY CORNERS ARE BASED ON A LOCAL GRID ESTABLISHED BY THE SURVEYOR. N10000, E10000 IS A PK NAIL SET IN THE CONCRETE CURB/GUTTER AND IS PART OF THE ORIGINAL TRAVERSE. IRON STAKES WERE SET AT THE PROPERTY CORNERS.

3. AREAS OUTSIDE OF CLOUD LINE: PROPERTY LINES AND MAPPING ADJACENT TO BIGELOW AVENUE, NORTH & SOUTH OF HOPKINS AVENUE & EAST OF BIGELOW AVENUE, AND SOUTH OF BLACKSTONE AVENUE WERE TAKEN FROM A VARIETY OF SOURCES INCLUDING SEPIA MYLAR SITE MAP (SEE REFERENCE 1), USGS 7.5 MINUTE TOPOGRAPHIC MAP – JAMESTOWN, NY, CITY OF JAMESTOWN TAX MAP RECORDS, AND URS FIELD RECONAISSANCE. LOCATIONS AND DIMENSIONS IN THESE AREAS ARE APPROXIMATE.

URS

PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
EXISTING SITE PLAN

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC. | JOB NUMBER: 41567920

SCALE: AS SHOWN | FIGURE NUMBER 2 | REV 0

FILE: \ESSEXHOP\2006-MAP\PMP-2007\AUG-2006-MAP-2007-PMP
00331065007 7KKGG

PLANT NORTH

TRUE NORTH

LEGEND

- MONITORING WELL
- PMP MONITORING WELL
- RECOVERY WELL
- APPROXIMATE PROPERTY LINE
- APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- PIEZOMETER LOCATION
- VAPOR PROBE LOCATION

0 60 120

SCALE IN FEET

1266.67
MW-16D

MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

MW-14D
1266.42

1266.48
MW-15D

1266.86
MW-22D

1264

1258 56 54 1260 1262

RW-2D
1250.12

HOPKINS AVENUE

MW-21D
1266.53

1266.20
PZ-7D

VP-6D GP5D

1267

1265.55
MW-8

MW-7D
MW-7DD
1265.21

FORMER PLANT 5

MW-11D
1266.17

GP4D
1266.74

PZ-4D

PZ-3D

1266

GP3D
1266.39

MW-19D
1266.51

VP-6D

PZ-6D
1266.53

RW-1D

VP-5D
1267.60

NPL AREA

GP2D
1267.09

1268

PZ-5D
1268.73

1266.94
PZ-11D

PZ-8D

PZ-9D
1274.56*

PZ-10D
1267.30

1267

MW-23D

AST/UST AREA

UST AREA

FORMER ESSEX SPECIALTY PRODUCTS AND LILLY INDUSTRIES, INC. FACILITIES
(NOW MASTER MACHINE, INC.)

VP-7D
1266.79

ANGOVE AVENUE

BLACKSTONE AVENUE

MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

MAP REFERENCE AND CONTROL NOTES:

1. BASE MAPPING INCLUDING THE LOCATIONS OF SOME OF THE BUILDINGS, ROADS, CURBS/SIDEWALKS, FENCING, PAVED AREAS, ALL UTILITIES (UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE), AND PROPERTY BOUNDARY WAS PROVIDED BY MICHAEL J. RODGERS AND ASSOCIATES, LAND SURVEYORS, BEMUS POINT, NEW YORK, N.Y.S. LICENSE No. 49232. THE BASE MAP WAS A SEPIA HARD COPY AT A SCALE OF 1"=20', DATED APRIL 15, 1992, LAST REVISION DATE MARCH 10, 1993. RECOVERY WELLS, SPARGE WELLS, AND SVE WELLS WERE SURVEYED AUGUST, 1997. MONITORING WELLS IN THE VICINITY OF THE REMEDIAL ACTION CONSTRUCTION WERE SURVEYED AUGUST, 1997. OTHER MONITORING WELLS WERE EITHER PART OF THE APRIL, 1992 MAP/SURVEY OR NOT SURVEYED AT ALL. SEE MONITORING WELL TABLE AND MONITORING WELL NOTES FOR MORE INFORMATION. COORDINATE INFORMATION SHOWN AT THE BUILDING CORNERS CAME FROM THE MICHAEL J. ROGERS SURVEY DONE ON JANUARY 9, 1998. ALL OTHER BUILDING CORNERS ARE APPROXIMATE. THE SITE AREA BEYOND THE 1998 SURVEY WAS MAPPED BY URS CORPORATION IN AUGUST 2006. THIS MAPPING USED THE SAME VERTICAL AND HORIZONTAL REFERENCE DATA AS THE PREVIOUS SURVEY. THE MAPPING WAS MERGED WITH THE 1998 DATA TO PRODUCE A COMPOSITE SITE BASE MAP. THE LIMITS OF THE COMPOSITE SURVEY MAP ARE SHOWN ON THE DRAWING. SEE MAP REFERENCE 3.

2. VERTICAL BENCH MARK INFORMATION CAME FROM U.S.G.S. PLAQUE U-88-S.E. ABUTT. ERIE R.R. BRIDGE OVER BUFFALO ST., ELEV.=1296.034 (NATIONAL GEODETIC VERTICAL DATUM, 1929).
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3. AREAS OUTSIDE OF CLOUD LINE: PROPERTY LINES AND MAPPING ADJACENT TO BIGELOW AVENUE, NORTH & SOUTH OF HOPKINS AVENUE & EAST OF BIGELOW AVENUE, AND SOUTH OF BLACKSTONE AVENUE WERE TAKEN FROM A VARIETY OF SOURCES INCLUDING SEPIA MYLAR SITE MAP (SEE REFERENCE 1), USGS 7.5 MINUTE TOPOGRAPHIC MAP - JAMESTOWN, NY, CITY OF JAMESTOWN TAX MAP RECORDS, AND URS FIELD RECONAISSANCE. LOCATIONS AND DIMENSIONS IN THESE AREAS ARE APPROXIMATE.

URS

PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
DEEP GROUNDWATER POTENTIOMETRIC SURFACE - FEB. 7, 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC. | JOB NUMBER: 41567920

SCALE: AS SHOWN | FIGURE NUMBER 3 | REV 0

FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP

00 33 10 85 00 77 KK GG

PLANT NORTH
TRUE NORTH

LEGEND

- MONITORING WELL
- PMP MONITORING WELL
- RECOVERY WELL
- APPROXIMATE PROPERTY LINE
- APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- PIEZOMETER LOCATION
- VAPOR PROBE LOCATION

* GROUNDWATER ELEVATION NOT USED FOR CREATION OF GROUNDWATER CONTOURS

0 60 120
SCALE IN FEET

MW-16S 1267.85
MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3
1267.68 MW-15S
GP7
1267.71 MW-14S
HOPKINS AVENUE
RW-2S 1269.82
GP5S
MW-18 1269.86*
MW-17 1269.40
MW-6 1270.01
MW-7 1270.07
FORMER PLANT 5
MW-19S 1267.75
GP4S 1270.13
VP-1S
GP1S
VP-2S
GP3S 1270.51
MW-11S 1269.25
RW-1S 1264.61
MW-10S
PZ-6S 1268.71
VP-6S
GP2S 1271.65
MW-20 1272.00
PZ-5S 1271.30
1270.69 MW-12
VP-4S
RW-5S
HW-6
VP-3S
1272.96 HW-8
HW-10
MW-2 1268.41
RW-3S
1271.51
1272.73 MW-23S
MW-24S 1271.93
1272.55 HW-9
MW-4 1272.11
MW-5
ANGOVE AVENUE
FORMER ESSEX SPECIALTY PRODUCTS AND LILLY INDUSTRIES, INC. FACILITIES (NOW MASTER MACHINE, INC.)
MW-13 1270.07
MW-1 1268.33
BLACKSTONE AVENUE
MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

1266 1267 1268 1269 1270 1271 1272

MAP REFERENCE AND CONTROL NOTES:

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URS

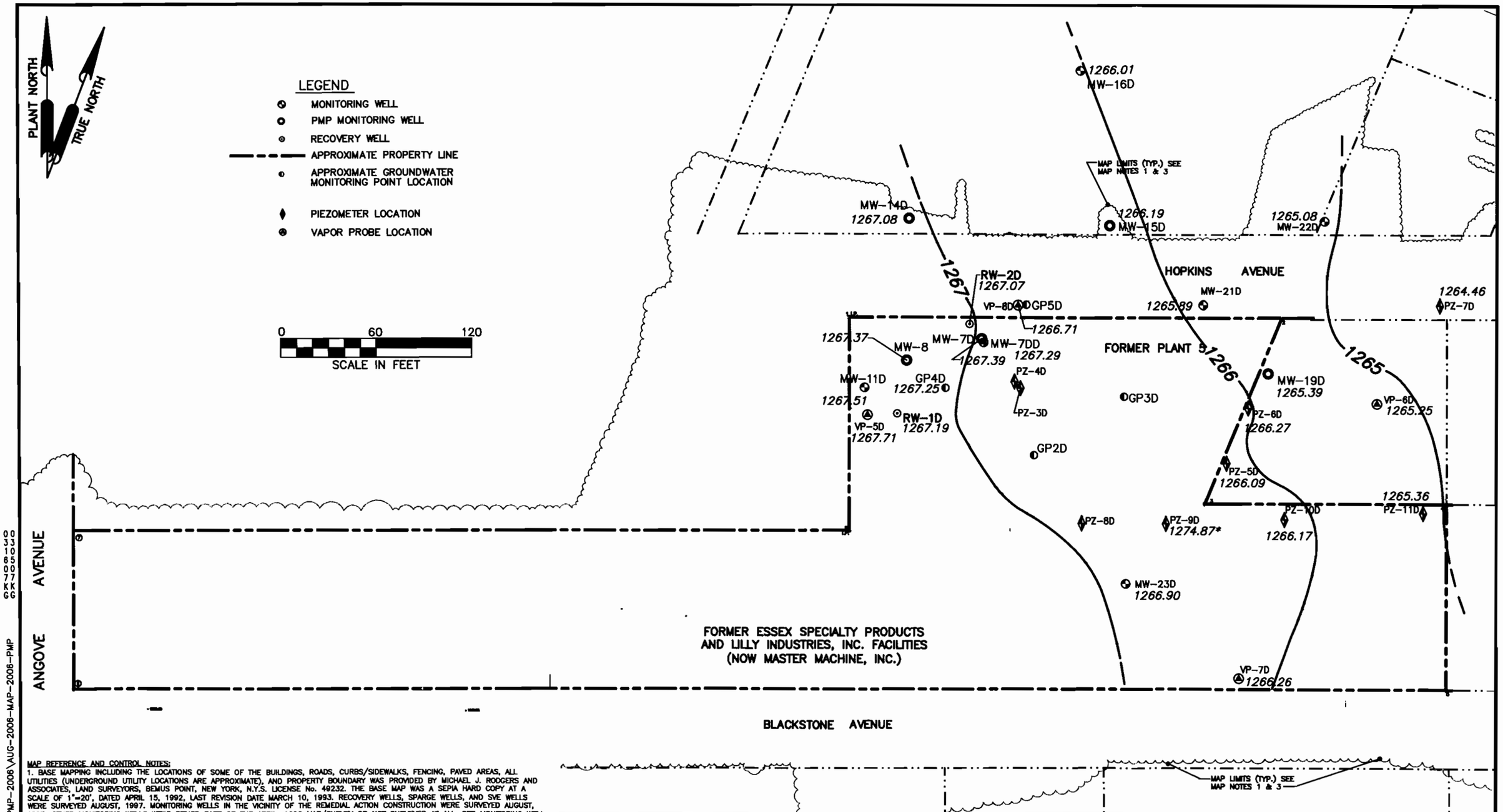
PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE – FEB. 7, 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.		JOB NUMBER: 41567920	
SCALE: AS SHOWN	FIGURE NUMBER 4		REV 0

FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP
00 33 20 65 01 77 KK GG



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URS

PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
DEEP GROUNDWATER POTENTIOMETRIC SURFACE - JUNE 28, 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.		JOB NUMBER: 41567920	
SCALE: AS SHOWN	FIGURE NUMBER 5		REV 0

FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP

00331065007 7KKGG

PLANT NORTH
TRUE NORTH

LEGEND
- MONITORING WELL
- PMP MONITORING WELL
- RECOVERY WELL
- APPROXIMATE PROPERTY LINE
- APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- PIEZOMETER LOCATION
- VAPOR PROBE LOCATION

0 60 120
SCALE IN FEET

MW-16S 1266.12*
MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3
1265.55 MW-15S
GP7
1267.08 MW-14S
HOPKINS AVENUE
RW-2S 1266.07
GP5S
MW-18 1264.98
MW-17 1268.58
MW-6 1268.95
MW-7 1268.93
FORMER PLANT 5
MW-19S 1265.77
GP4S 1268.95
VP-1S
GP1S
VP-2S
GP3S
MW-11 1268.28
RW-1S 1264.28
MW-10 1269.35
PZ-6S 1266.26
VP-6S 1265.28
GP2S
PZ-5S 1268.27
MW-20 1270.52
MW-12 1268.55
VP-4S
RW-5S
HW-6
VP-3S
1271
1271.14
1270.95
HW-8
MW-23S
MW-2 1267.43
RW-3S
HW-10
1270.68
1270.76
MW-24S
HW-9 1270.57
MW-4 1270.92
MW-5
1270
1269
1268
MW-1 1267.02
MW-13 1268.20
FORMER ESSEX SPECIALTY PRODUCTS AND LILLY INDUSTRIES, INC. FACILITIES (NOW MASTER MACHINE, INC.)
ANGOVE AVENUE
BLACKSTONE AVENUE
MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

MAP REFERENCE AND CONTROL NOTES:
1. BASE MAPPING INCLUDING THE LOCATIONS OF SOME OF THE BUILDINGS, ROADS, CURBS/SIDEWALKS, FENCING, PAVED AREAS, ALL UTILITIES (UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE), AND PROPERTY BOUNDARY WAS PROVIDED BY MICHAEL J. RODGERS AND ASSOCIATES, LAND SURVEYDRS, BEMUS POINT, NEW YORK, N.Y.S. LICENSE No. 49232. THE BASE MAP WAS A SEPIA HARD COPY AT A SCALE OF 1"=20', DATED APRIL 15, 1992, LAST REVISION DATE MARCH 10, 1993. RECOVERY WELLS, SPARGE WELLS, AND SVE WELLS WERE SURVEYED AUGUST, 1997. MONITORING WELLS IN THE VICINITY OF THE REMEDIAL ACTION CONSTRUCTION WERE SURVEYED AUGUST, 1997, OTHER MONITORING WELLS WERE EITHER PART OF THE APRIL, 1992 MAP/SURVEY OR NOT SURVEYED AT ALL. SEE MONITORING WELL TABLE AND MONITORING WELL NOTES FOR MORE INFORMATION. COORDINATE INFORMATION SHOWN AT THE BUILDING CORNERS CAME FROM THE MICHAEL J. ROGERS SURVEY DONE ON JANUARY 9, 1998. ALL OTHER BUILDING CORNERS ARE APPROXIMATE. THE SITE AREA BEYOND THE 1998 SURVEY WAS MAPPED BY URS CORPORATION IN AUGUST 2006. THIS MAPPING USED THE SAME VERTICAL AND HORIZONTAL REFERENCE DATA AS THE PREVIOUS SURVEY. THE MAPPING WAS MERGED WITH THE 1998 DATA TO PRODUCE A COMPOSITE SITE BASE MAP. THE LIMITS OF THE COMPOSITE SURVEY MAP ARE SHOWN ON THE DRAWING. SEE MAP REFERENCE 3.

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URS

PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE - JUNE 28, 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.	JOB NUMBER: 41567920	
SCALE: AS SHOWN	FIGURE NUMBER 6	REV 0

FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP
00 33 10 25 00 77 KK GG

PLANT NORTH

TRUE NORTH

LEGEND

- MONITORING WELL
- PMP MONITORING WELL
- RECOVERY WELL
- APPROXIMATE PROPERTY LINE
- APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- PIEZOMETER LOCATION
- VAPOR PROBE LOCATION

0 60 120

SCALE IN FEET

1265.27
MW-16D

MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

MW-14D
1265.45

1265.18
MW-15D

1265.13
MW-22D

1265
1264
1266
1262
1260
1258
56

RW-2D
1252.40

VP-8D
GP5D

HOPKINS AVENUE

MW-21D
1265.37

1264.44
PZ-7D

1264.93
MW-8
MW-7D
MW-7BD

1267
1265.42
MW-11D
GP4D
1264.55
PZ-4D

FORMER PLANT 5
APPROXIMATE LIMIT OF SOIL EXCAVATION FOR UST REMOVAL (2003)

GP3D

1265

MW-19D
1265.19

VP-6D
1265.26

1267.13
VP-5D
1264.86
RW-1D
PZ-3D

PZ-6D
1265.54

1266

NPL AREA

GP2D

PZ-5D
1266.15

1265.48
PZ-11D

PZ-8D

PZ-9D
1274.87*

PZ-10D
1265.96

MW-23D
1266.28

AST/UST AREA

UST AREA

FORMER ESSEX SPECIALTY PRODUCTS AND LILLY INDUSTRIES, INC. FACILITIES
(NOW MASTER MACHINE, INC.)

VP-7D
1266.21

AVENUE

ANGOVE

BLACKSTONE AVENUE

MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

00 33 10 25 00 77 KK GG

FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP

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1. BASE MAPPING INCLUDING THE LOCATIONS OF SOME OF THE BUILDINGS, ROADS, CURBS/SIDEWALKS, FENCING, PAVED AREAS, ALL UTILITIES (UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE), AND PROPERTY BOUNDARY WAS PROVIDED BY MICHAEL J. RODGERS AND ASSOCIATES, LAND SURVEYORS, BEMUS POINT, NEW YORK, N.Y.S. LICENSE No. 49232. THE BASE MAP WAS A SEPIA HARD COPY AT A SCALE OF 1"=20', DATED APRIL 15, 1992, LAST REVISION DATE MARCH 10, 1993. RECOVERY WELLS, SPARGE WELLS, AND SVE WELLS WERE SURVEYED AUGUST, 1997. MONITORING WELLS IN THE VICINITY OF THE REMEDIAL ACTION CONSTRUCTION WERE SURVEYED AUGUST, 1997, OTHER MONITORING WELLS WERE EITHER PART OF THE APRIL, 1992 MAP/SURVEY OR NOT SURVEYED AT ALL. SEE MONITORING WELL TABLE AND MONITORING WELL NOTES FOR MORE INFORMATION. COORDINATE INFORMATION SHOWN AT THE BUILDING CORNERS CAME FROM THE MICHAEL J. ROGERS SURVEY DONE ON JANUARY 9, 1998. ALL OTHER BUILDING CORNERS ARE APPROXIMATE. THE SITE AREA BEYOND THE 1998 SURVEY WAS MAPPED BY URS CORPORATION IN AUGUST 2006. THIS MAPPING USED THE SAME VERTICAL AND HORIZONTAL REFERENCE DATA AS THE PREVIOUS SURVEY. THE MAPPING WAS MERGED WITH THE 1998 DATA TO PRODUCE A COMPOSITE SITE BASE MAP. THE LIMITS OF THE COMPOSITE SURVEY MAP ARE SHOWN ON THE DRAWING. SEE MAP REFERENCE 3.

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URS

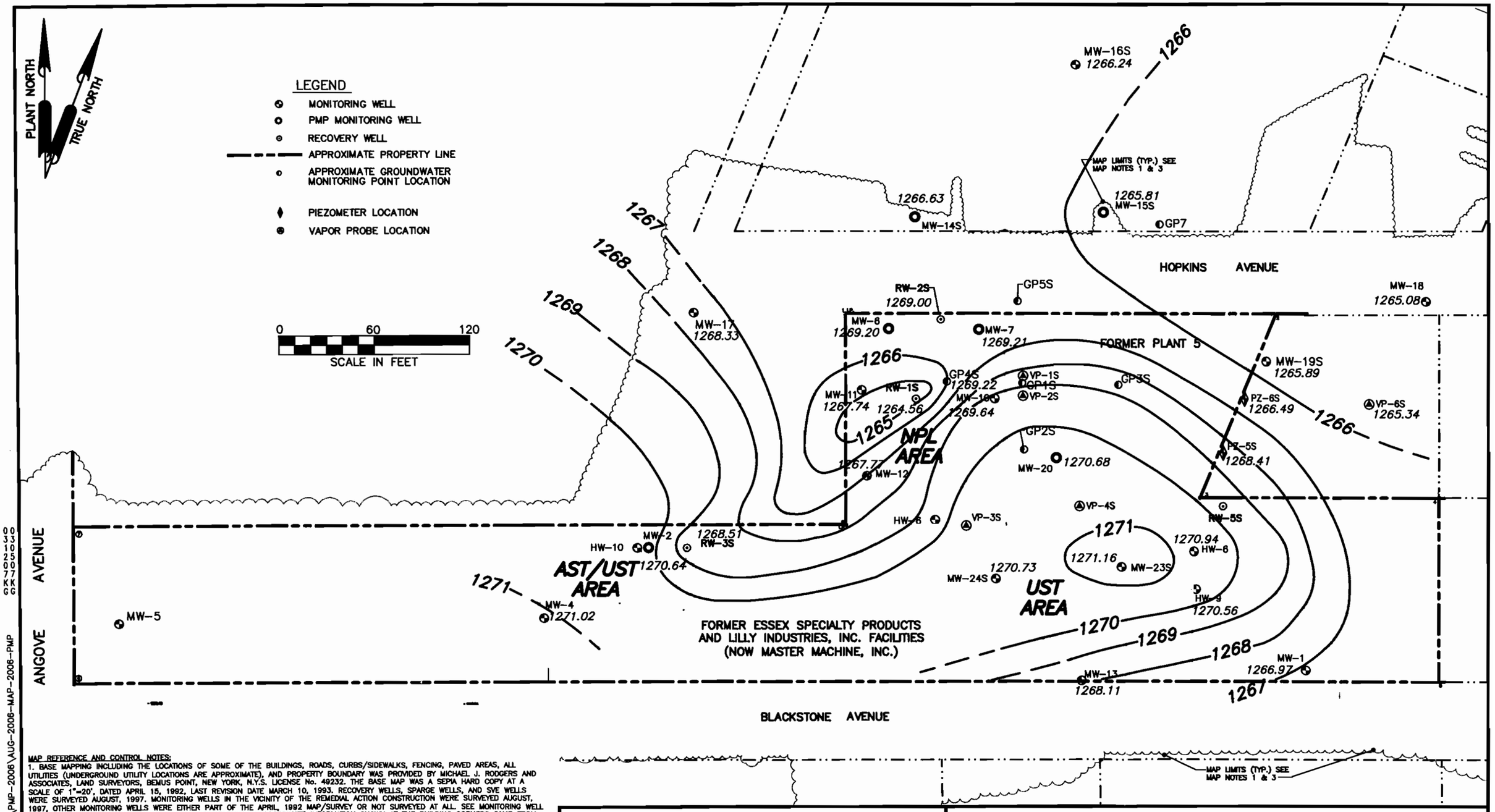
PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
DEEP GROUNDWATER POTENTIOMETRIC SURFACE – AUGUST 23, 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC. | JOB NUMBER: 41567920

SCALE: AS SHOWN | FIGURE NUMBER 7 | REV 0



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PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE – AUGUST 23, 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC. | JOB NUMBER: 41567920

SCALE: AS SHOWN | FIGURE NUMBER 8 | REV 0

FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP
00 33 10 25 09 77 KK GG

PLANT NORTH
TRUE NORTH

LEGEND

- MONITORING WELL
- PMP MONITORING WELL
- RECOVERY WELL
- APPROXIMATE PROPERTY LINE
- APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- PIEZOMETER LOCATION
- VAPOR PROBE LOCATION

0 60 120
SCALE IN FEET

1267.80
MW-16D

MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

1267

MW-14D
1268.60

1267.94
MW-15D

MW-22D
1266.90

HOPKINS AVENUE

RW-2D
1268.60

MW-21D
1267.60

1266.47
PZ-7D

VP-8D
GP5D
1267.48*

MW-8
1268.89

MW-7D
1268.85

MW-7DD

FORMER PLANT 5

MW-11D
1268.72

GP4D
1267.72*

PZ-4D
PZ-3D

1266

GP3D

MW-19D
1266.76

VP-6D
1267.04

PZ-6D
1267.41

VP-5D
1268.39

RW-1D
1268.63

GP2D

PZ-5D
1267.64

1267.30
PZ-11D

PZ-10D
1267.91

PZ-8D

PZ-9D
1275.03*

1268.58
MW-23D

VP-7D
1267.03

FORMER ESSEX SPECIALTY PRODUCTS AND LILLY INDUSTRIES, INC. FACILITIES
(NOW MASTER MACHINE, INC.)

ANGOVE AVENUE

BLACKSTONE AVENUE

MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

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FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP
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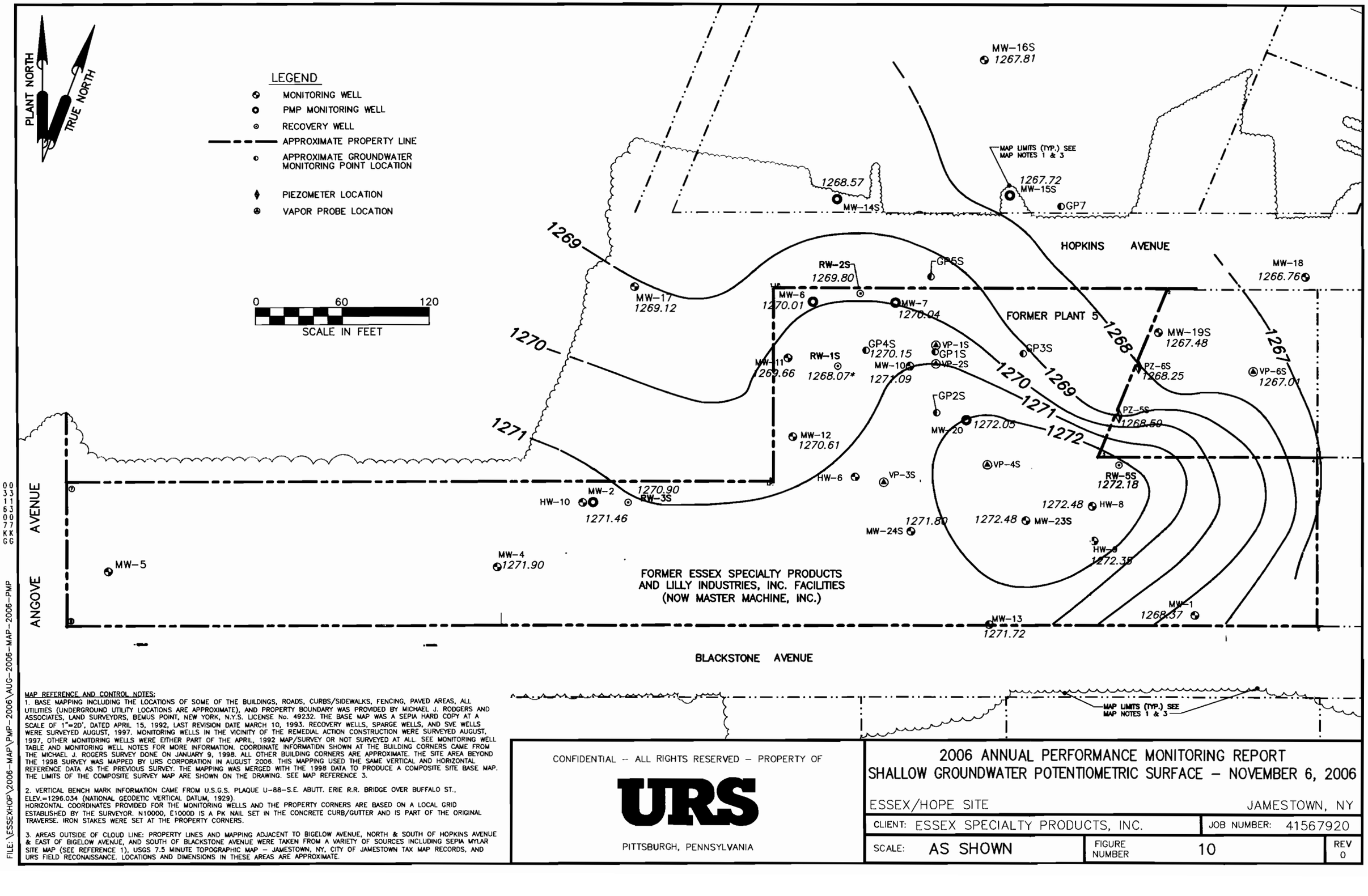
URS

PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
DEEP GROUNDWATER POTENTIOMETRIC SURFACE – NOVEMBER 6, 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.	JOB NUMBER: 41567920	
SCALE: AS SHOWN	FIGURE NUMBER 9	REV 0



MAP REFERENCE AND CONTROL NOTES:

1. BASE MAPPING INCLUDING THE LOCATIONS OF SOME OF THE BUILDINGS, ROADS, CURBS/SIDEWALKS, FENCING, PAVED AREAS, ALL UTILITIES (UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE), AND PROPERTY BOUNDARY WAS PROVIDED BY MICHAEL J. RODGERS AND ASSOCIATES, LAND SURVEYORS, BEMUS POINT, NEW YORK, N.Y.S. LICENSE No. 49232. THE BASE MAP WAS A SEPIA HARD COPY AT A SCALE OF 1"=20', DATED APRIL 15, 1992, LAST REVISION DATE MARCH 10, 1993. RECOVERY WELLS, SPARGE WELLS, AND SVE WELLS WERE SURVEYED AUGUST, 1997. MONITORING WELLS IN THE VICINITY OF THE REMEDIAL ACTION CONSTRUCTION WERE SURVEYED AUGUST, 1997, OTHER MONITORING WELLS WERE EITHER PART OF THE APRIL, 1992 MAP/SURVEY OR NOT SURVEYED AT ALL. SEE MONITORING WELL TABLE AND MONITORING WELL NOTES FOR MORE INFORMATION. COORDINATE INFORMATION SHOWN AT THE BUILDING CORNERS CAME FROM THE MICHAEL J. ROGERS SURVEY DONE ON JANUARY 9, 1998. ALL OTHER BUILDING CORNERS ARE APPROXIMATE. THE SITE AREA BEYOND THE 1998 SURVEY WAS MAPPED BY URS CORPORATION IN AUGUST 2006. THIS MAPPING USED THE SAME VERTICAL AND HORIZONTAL REFERENCE DATA AS THE PREVIOUS SURVEY. THE MAPPING WAS MERGED WITH THE 1998 DATA TO PRODUCE A COMPOSITE SITE BASE MAP. THE LIMITS OF THE COMPOSITE SURVEY MAP ARE SHOWN ON THE DRAWING. SEE MAP REFERENCE 3.

2. VERTICAL BENCH MARK INFORMATION CAME FROM U.S.G.S. PLAQUE U-88-S.E. ABUTT. ERIE R.R. BRIDGE OVER BUFFALO ST., ELEV.=1296.034 (NATIONAL GEODETIC VERTICAL DATUM, 1929).
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3. AREAS OUTSIDE OF CLOUD LINE: PROPERTY LINES AND MAPPING ADJACENT TO BIGELOW AVENUE, NORTH & SOUTH OF HOPKINS AVENUE & EAST OF BIGELOW AVENUE, AND SOUTH OF BLACKSTONE AVENUE WERE TAKEN FROM A VARIETY OF SOURCES INCLUDING SEPIA MYLAR SITE MAP (SEE REFERENCE 1), USGS 7.5 MINUTE TOPOGRAPHIC MAP – JAMESTOWN, NY, CITY OF JAMESTOWN TAX MAP RECORDS, AND URS FIELD RECONAISSANCE. LOCATIONS AND DIMENSIONS IN THESE AREAS ARE APPROXIMATE.

URS

PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE – NOVEMBER 6, 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.		JOB NUMBER: 41567920	
SCALE: AS SHOWN	FIGURE NUMBER 10		REV 0

FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP

00 33 11 63 00 77 KK GG

PLANT NORTH

TRUE NORTH

LEGEND

- MONITORING WELL
- PMP MONITORING WELL
- RECOVERY WELL
- APPROXIMATE PROPERTY LINE
- APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- PIEZOMETER LOCATION
- VAPOR PROBE LOCATION

NOTE:
CONCENTRATION UNITS = ug/L.

0 60 120
SCALE IN FEET

BENZENE	2.2
1,1 – DCE	36
c–1,2 – DCE	2,700
t–1,2 – DCE	33
TCE	2,700
V. CHLORIDE	220

c–1,2 – DCE	6.6
V. CHLORIDE	3.7
TCE	6.3

MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

TCE	9.2

BENZENE	1.6
ISOPROPYLBENZENE	320
ETHYLBENZENE	620
TOLUENE	230
XYLENES	5,010

MW–16S, MW–14S, MW–15S, GP7, HOPKINS AVENUE, RW–2S, GP5S, MW–18, MW–17, MW–6, MW–7, FORMER PLANT 5, MW–19S, RW–1S, GP4S, VP–1S, GP1S, GP3S, VP–2S, MW–11, MW–10, PZ–6S, VP–6S, GP2S, PZ–5S, MW–20, MW–12, VP–4S, RW–5S, HW–6, VP–3S, MW–2, HW–10, RW–3S, HW–8, MW–23S, MW–24S, HW–9, MW–4, MW–5, FORMER ESSEX SPECIALTY PRODUCTS AND LILLY INDUSTRIES, INC. FACILITIES (NOW MASTER MACHINE, INC.), MW–1, MW–13, ANGOVE AVENUE, BLACKSTONE AVENUE

MAP REFERENCE AND CONTROL NOTES:

1. BASE MAPPING INCLUDING THE LOCATIONS OF SOME OF THE BUILDINGS, ROADS, CURBS/SIDEWALKS, FENCING, PAVED AREAS, ALL UTILITIES (UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE), AND PROPERTY BOUNDARY WAS PROVIDED BY MICHAEL J. RODGERS AND ASSOCIATES, LAND SURVEYORS, BEMUS POINT, NEW YORK, N.Y.S. LICENSE No. 49232. THE BASE MAP WAS A SEPIA HARD COPY AT A SCALE OF 1"=20', DATED APRIL 15, 1992, LAST REVISION DATE MARCH 10, 1993. RECOVERY WELLS, SPARGE WELLS, AND SVE WELLS WERE SURVEYED AUGUST, 1997. MONITORING WELLS IN THE VICINITY OF THE REMEDIAL ACTION CONSTRUCTION WERE SURVEYED AUGUST, 1997. OTHER MONITORING WELLS WERE EITHER PART OF THE APRIL, 1992 MAP/SURVEY OR NOT SURVEYED AT ALL. SEE MONITORING WELL TABLE AND MONITORING WELL NOTES FOR MORE INFORMATION. COORDINATE INFORMATION SHOWN AT THE BUILDING CORNERS CAME FROM THE MICHAEL J. RODGERS SURVEY DONE ON JANUARY 9, 1998. ALL OTHER BUILDING CORNERS ARE APPROXIMATE. THE SITE AREA BEYOND THE 1998 SURVEY WAS MAPPED BY URS CORPORATION IN AUGUST 2006. THIS MAPPING USED THE SAME VERTICAL AND HORIZONTAL REFERENCE DATA AS THE PREVIOUS SURVEY. THE MAPPING WAS MERGED WITH THE 1998 DATA TO PRODUCE A COMPOSITE SITE BASE MAP. THE LIMITS OF THE COMPOSITE SURVEY MAP ARE SHOWN ON THE DRAWING. SEE MAP REFERENCE 3.

2. VERTICAL BENCH MARK INFORMATION CAME FROM U.S.G.S. PLAQUE U–88–S.E. ABUTT. ERIE R.R. BRIDGE OVER BUFFALO ST., ELEV.=1296.034 (NATIONAL GEODETIC VERTICAL DATUM, 1929).
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3. AREAS OUTSIDE OF CLOUD LINE: PROPERTY LINES AND MAPPING ADJACENT TO BIGELOW AVENUE, NORTH & SOUTH OF HOPKINS AVENUE & EAST OF BIGELOW AVENUE, AND SOUTH OF BLACKSTONE AVENUE WERE TAKEN FROM A VARIETY OF SOURCES INCLUDING SEPIA MYLAR SITE MAP (SEE REFERENCE 1), USGS 7.5 MINUTE TOPOGRAPHIC MAP – JAMESTOWN, NY, CITY OF JAMESTOWN TAX MAP RECORDS, AND URS FIELD RECONAISSANCE. LOCATIONS AND DIMENSIONS IN THESE AREAS ARE APPROXIMATE.

FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP
00 33 21 63 00 77 KK GG

URS

PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
SHALLOW WATER BEARING ZONE GROUNDWATER ANALYTICAL DATA
NOVEMBER 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.		JOB NUMBER: 41567920	
SCALE: AS SHOWN	FIGURE NUMBER 11		REV 0

PLANT NORTH

TRUE NORTH

LEGEND

- MONITORING WELL
- PMP MONITORING WELL
- RECOVERY WELL
- APPROXIMATE PROPERTY LINE
- APPROXIMATE GROUNDWATER MONITORING POINT LOCATION
- PIEZOMETER LOCATION
- VAPOR PROBE LOCATION

NOTE:
CONCENTRATION UNITS = ug/L.

0 60 120
SCALE IN FEET

MW-16D
ACETONE 46
BENZENE 440
1,1 – DCE 510
c–1,2 – DCE 130,000
t–1,2 – DCE 420
TOLUENE 27
TCE 480,000
V. CHLORIDE 3,000

BENZENE 27
1,1 – DCE 43
c–1,2 – DCE 6,000
t–1,2 – DCE 46
TCE 28,000
V. CHLORIDE 210

1,1 – DCE 45
c–1,2 – DCE 6,100
t–1,2 – DCE 69
TCE 380
V. CHLORIDE 530

MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

MW-14D
MW-15D
MW-22D

V. CHLORIDE 2.3

HOPKINS AVENUE

RW-2D
MW-21D
VP-8D
PZ-7D

c–1,2 – DCE 61
V. CHLORIDE 19

MW-8
MW-7D
MW-7DD
FORMER PLANT 5

c–1,2 – DCE 28
TCE 15
V. CHLORIDE 330

BENZENE 9
1,1 – DCE 8.7
c–1,2 – DCE 2,500
t–1,2 – DCE 15
TCE 57
V. CHLORIDE 800

PZ-4D
PZ-3D
MW-11D
VP-5D
RW-1D
MW-19D
TCE 16
VP-6D
PZ-6D

BENZENE 13,000
2–BUTANONE 100
V. CHLORIDE 140

PZ-5D

ACETONE 43

PZ-8D
PZ-9D
PZ-10D
PZ-11D

MW-23D

FORMER ESSEX SPECIALTY PRODUCTS
AND LILLY INDUSTRIES, INC. FACILITIES
(NOW MASTER MACHINE, INC.)

VP-7D

ANGOVE AVENUE

BLACKSTONE AVENUE

MAP LIMITS (TYP.) SEE MAP NOTES 1 & 3

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FILE: \ESSEXHOP\2006-MAP\PMP-2006\AUG-2006-MAP-2006-PMP 00331035007 7KKGG

URS

PITTSBURGH, PENNSYLVANIA

2006 ANNUAL PERFORMANCE MONITORING REPORT
DEEP GROUNDWATER ANALYTICAL DATA – NOVEMBER 6, 2006

ESSEX/HOPE SITE — JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC. — JOB NUMBER: 41567920

SCALE: AS SHOWN — FIGURE NUMBER 12 — REV 0

URS

APPENDIX A

GROUNDWATER EXTRACTION MONITORING DATA

URS

APPENDIX A-1

WATER LEVEL DATA

APPENDIX A-1

2006 Water Level Data
Essex/Hope Site
Jamestown, NY

Well No.	Northing	Easting	Reference Elevation (ft msl)	Depth to Top of Screen	Depth to Bottom of Screen	Screened Zone	Februaury 7, 2006			June 28, 2006		
							Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)	Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)
MW-1	9758.7161	10383.6499	1280.48		20.0	Shallow	12.15	NA	1268.33	13.46	NA	1267.02
MW-2	9837.1531	9959.6857	1279.87		16.0	Shallow	8.36	NA	1271.51	9.19	NA	1270.68
MW-4	9792.3277	9900.7631	1281.02	13.0	18.0	Shallow	8.91	NA	1272.11	10.10	NA	1270.92
MW-5	9789.6222	9631.761	1280.82	9.5	20.0	Shallow	NM	NA	NA	NM	NA	NA
MW-6	9977.1197	10118.8762	1277.98			Shallow	7.97	NA	1270.01	9.03	NA	1268.95
MW-7	9976.6467	10175.6797	1277.73	10.0	20.0	Shallow	7.66	NA	1270.07	8.80	NA	1268.93
MW-7D	9973.2593	10174.8524	1277.8	35.0	45.0	Deep	12.59	NA	1265.21	10.41	NA	1267.39
MW-7DD	9970.8547	10176.2698	1277.74	90.0	100.0	Glacial Till	NM	NA	NA	1.45	NA	1276.29
MW-8	9959.6089	10127.6898	1277.97	39.6	49.6	Deep	12.42	NA	1265.55	10.60	NA	1267.37
MW-10	9932.4702	10185.7078	1277.94	8.5	18.5	Shallow	NM	NA	NA	8.59	NA	1269.35
MW-11	9937.9912	10101.7016	1277.75	5.0	15.0	Shallow	8.50	NA	1269.25	9.47	NA	1268.28
MW-11D	9942.3792	10101.1482	1277.85	35.0	45.0	Deep	11.68	NA	1266.17	10.34	NA	1267.51
MW-12	9883.0874	10104.9278	1278.18	4.0	14.0	Shallow	7.49	NA	1270.69	9.63	NA	1268.55
MW-13	9752.0619	10240.2934	1278.12	8.0	18.0	Shallow	8.05	NA	1270.07	9.92	NA	1268.20
MW-14S	10048.7753	10135.5198	1280.25	10.0	20.0	Shallow	12.54	NA	1267.71	13.17	NA	1267.08
MW-14D	10049.5051	10129.1897	1280.01	40.0	50.0	Deep	13.59	NA	1266.42	12.93	NA	1267.08
MW-15S	10051.8272	10254.4862	1279.55	10.0	20.0	Shallow	11.87	NA	1267.68	14.00	NA	1265.55
MW-15D	10045.5611	10255.205	1279.46	34.0	44.0	Deep	12.98	NA	1266.48	13.27	NA	1266.19
MW-16S	10146.7788	10236.8582	1279.32	7.0	17.0	Shallow	11.47	NA	1267.85	13.20	NA	1266.12
MW-16D	10143.9497	10236.6005	1279.05	36.0	46.0	Deep	12.38	NA	1266.67	13.04	NA	1266.01
MW-17	9987.6315	9995.5207	1278.7			Deep	9.30	NA	1269.40	10.12	NA	1268.58
MW-18	9994.6655	10459.2207	1275.49		20.0	Shallow	5.63	NA	1269.86	10.51	NA	1264.98
MW-19S	9956.1454	10358.207	1276.82	9.0	19.0	Shallow	9.07	NA	1267.75	11.05	NA	1265.77
MW-19D	9951.569	10355.9748	1276.21	34.0	44.0	Deep	9.70	NA	1266.51	10.82	NA	1265.39
MW-20	9894.7336	10224.5128	1278.56	6.5	11.5	Shallow	6.56	NA	1272.00	8.04	NA	1270.52
MW-21D	9995.0094	10314.801	1276.12	31.5	41.0	Deep	9.59	NA	1266.53	10.23	NA	1265.89
MW-22D	10048.1687	10391.3548	1276.04	32.5	42.0	Deep	9.18	NA	1266.86	10.96	NA	1265.08
MW-23S	9824.696	10265.6365	1277.85	5.0	14.5	Shallow	5.12	NA	1272.73	6.71	NA	1271.14
MW-23D	9818.3152	10265.6675	1277.89	28.0	37.5	Deep	NM	NA	NA	10.99	NA	1266.90
MW-24S	9817.1277	10186.2119	1278.77	5.0	14.5	Shallow	6.84	NA	1271.93	8.01	NA	1270.76

APPENDIX A-1

2006 Water Level Data
Essex/Hope Site
Jamestown, NY

Well No.	Northing	Easting	Reference Elevation (ft msl)	Depth to Top of Screen	Depth to Bottom of Screen	Screened Zone	February 7, 2006			June 28, 2006		
							Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)	Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)
HW-8	9834.664	10312.0885	1277.81	6.0	16.0	Shallow	4.85	NA	1272.96	6.86	NA	1270.95
HW-9	9810.5264	10313.3873	1280.78	6.0	16.0	Shallow	8.23	NA	1272.55	10.21	NA	1270.57
HW-10	9837.2976	9966.7406	1279.55	7.0	17.0	Shallow	NA	NA	NA	NM	NA	NA
RW-1S	9932.3606	10136.0515	1275.81	10.5	16.0	Shallow	11.20	11.50	1264.61	10.93	11.50	1264.88
RW-1D	9925.9898	10121.7689	1276.34	32.0	57.0	Deep	NM	NA	NA	9.15	NM	1267.19
RW-2S	9982.9501	10151.7112	1276.33	10.0	15.5	Shallow	6.51	12.70	1269.82	10.26	12.70	1266.07
RW-2D	9982.6088	10169.3122	1276.35	27.0	42.0	Deep	26.23	36.90	1250.12	9.28	36.90	1267.07
RW-3S	9837.0894	9990.9663	1278.14	9.0	13.5	Shallow	9.73	8.80	1268.41	10.71	8.80	1267.43
RW-5S	9863.4298	10330.7462	1277.29	7.0	10.0	Shallow	NM	NA	NA	NM	NA	NA
GP-1S	9942.4384	10203.1085	1278.83	8.0	12.8	Shallow	NM	NA	NA	NM	NA	NA
GP-2S	9899.8775	10204.1632	1278.46	2.6	12.6	Shallow	6.61	NA	1271.85	NM	NA	NA
GP-2D	9899.7358	10207.9807	1278.56	30.0	34.8	Deep	11.47	NA	1267.09	NM	NA	NA
GP-3S	9941.2543	10263.8898	1278.59	4.0	14.0	Shallow	8.08	NA	1270.51	NM	NA	NA
GP-3D	9936.9027	10264.588	1278.62	34.0	38.8	Deep	12.23	NA	1266.39	NM	NA	NA
GP-4S	9940.86*	10154.97*	1278.06	10.8	15.8	Shallow	7.93	NA	1270.13	9.11	NA	1268.95
GP-4D	9942.1743	10152.2232	1277.95	39.0	43.8	Deep	11.21	NA	1266.74	10.70	NA	1267.25
GP-5S	9994.7299	10200.2055	1277.44	7.0	11.8	Shallow	NM	NA	NA	NM	NA	NA
GP-5D	9994.8642	10202.9906	1276.81	36.0	40.8	Deep	NM	NA	NA	NM	NA	NA
PZ-1S	9981.8469	10169.3122	1277.77			Shallow	NM	NA	NA	NM	NA	NA
PZ-1D	9980.4294	10171.2636	1277.64			Deep	NM	NA	NA	NM	NA	NA
PZ-2D	9979.5627	10172.4761	1277.55			Deep	NM	NA	NA	NM	NA	NA
PZ-3D	9942.0414	10199.2937	1278.8	20.0	40.0	Deep	NM	NA	NA	NM	NA	NA
PZ-4D	9946.2326	10195.679	1278.71			Deep	NM	NA	NA	NM	NA	NA
PZ-5S	9897.7381	10330.7876	1276.42	5.5	12.0	Shallow	5.12	NA	1271.30	8.15	NA	1268.27
PZ-5D	9894.5731	10329.7148	1276.4	21.0	42.0	Deep	7.67	NA	1268.73	10.31	NA	1266.09
PZ-6S	9932.2079	10344.4895	1276.61	8.5	13.5	Shallow	7.90	NA	1268.71	10.35	NA	1266.26
PZ-6D	9929.8004	10343.4742	1276.62	25.5	45.5	Deep	10.09	NA	1266.53	10.35	NA	1266.27
PZ-7D	9994.5452	10463.2465	1275.68	22.0	42.0	Deep	9.48	NA	1266.20	11.22	NA	1264.46
PZ-8D	9856.4908	10237.8118	1278.12	21.0	41.0	Deep	NM	NA	NA	NM	NA	NA

APPENDIX A-1

2006 Water Level Data
Essex/Hope Site
Jamestown, NY

Well No.	Northing	Easting	Reference Elevation (ft msl)	Depth to Top of Screen	Depth to Bottom of Screen	Screened Zone	Februaury 7, 2006			June 28, 2006		
							Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)	Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)
PZ-9D	9856.2398	10291.1658	1277.3	19.0	39.0	Deep	2.74	NA	1274.56	2.43	NA	1274.87
PZ-10D	9858.9821	10366.4236	1277.52	26.5	46.5	Deep	10.22	NA	1267.30	11.35	NA	1266.17
PZ-11D	9863.0677	10452.8989	1276.63	21.3	41.3	Deep	9.69	NA	1266.94	11.27	NA	1265.36
VP-5D	9925.1052	10103.0141	1277.88	12.5	34.3	Deep	10.28	NA	1267.60	10.17	NA	1267.71
VP-6S	9928.8123	10423.4628	1276.48	18.3	24.0	Deep upper gravel	NM	NA	NA	11.20	NA	1265.28
VP-6D	9932.5744	10424.1378	1276.6	29.5	39.5	Deep	NM	NA	NA	11.35	NA	1265.25
VP-7D	9758.4881	10337.7133	1278.64	20.4	39.3	Deep	11.85	NA	1266.79	12.38	NA	1266.26
VP-8D	9994.6178	10197.8133	1277.15	20.0	39.0	Deep	NM	NA	NA	10.44	NA	1266.71

Notes:

NM = Not Measure
NA = Not Applicable

RW-4S, RW-5S taken offline in October 2002 for UST Removal.
Wells RW-4S, TW-01, and HW-7 destroyed during UST removal operations.

APPENDIX A-1

2006 Water Level Data
Essex/Hope Site
Jamestown, NY

Well No.	Northing	Easting	Reference Elevation (ft msl)	Depth to Top of Screen	Depth to Bottom of Screen	Screened Zone	August 23, 2006			November 6, 2006		
							Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)	Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)
MW-1	9758.7161	10383.6499	1280.48		20.0	Shallow	13.51	NA	1266.97	12.11	NA	1268.37
MW-2	9837.1531	9959.6857	1279.87		16.0	Shallow	9.23	NA	1270.64	8.41	NA	1271.46
MW-4	9792.3277	9900.7631	1281.02	13.0	18.0	Shallow	10.00	NA	1271.02	9.12	NA	1271.90
MW-5	9789.6222	9631.761	1280.82	9.5	20.0	Shallow	NM	NA	NA	NM	NA	NA
MW-6	9977.1197	10118.8762	1277.98			Shallow	8.78	NA	1269.20	7.97	NA	1270.01
MW-7	9976.6467	10175.6797	1277.73	10.0	20.0	Shallow	8.52	NA	1269.21	7.69	NA	1270.04
MW-7D	9973.2593	10174.8524	1277.8	35.0	45.0	Deep	13.25	NA	1264.55	8.95	NA	1268.85
MW-7DD	9970.8547	10176.2698	1277.74	90.0	100.0	Glacial Till	NM	NA	NA	NM	NA	NA
MW-8	9959.6089	10127.6898	1277.97	39.6	49.6	Deep	13.04	NA	1264.93	9.08	NA	1268.89
MW-10	9932.4702	10185.7078	1277.94	8.5	18.5	Shallow	8.30	NA	1269.64	6.85	NA	1271.09
MW-11	9937.9912	10101.7016	1277.75	5.0	15.0	Shallow	10.01	NA	1267.74	8.09	NA	1269.66
MW-11D	9942.3792	10101.1482	1277.85	35.0	45.0	Deep	12.43	NA	1265.42	9.13	NA	1268.72
MW-12	9883.0874	10104.9278	1278.18	4.0	14.0	Shallow	10.41	NA	1267.77	7.57	NA	1270.61
MW-13	9752.0619	10240.2934	1278.12	8.0	18.0	Shallow	10.01	NA	1268.11	6.40	NA	1271.72
MW-14S	10048.7753	10135.5198	1280.25	10.0	20.0	Shallow	13.62	NA	1266.63	11.68	NA	1268.57
MW-14D	10049.5051	10129.1897	1280.01	40.0	50.0	Deep	14.56	NA	1265.45	11.41	NA	1268.60
MW-15S	10051.8272	10254.4862	1279.55	10.0	20.0	Shallow	13.74	NA	1265.81	11.83	NA	1267.72
MW-15D	10045.5611	10255.205	1279.46	34.0	44.0	Deep	14.28	NA	1265.18	11.52	NA	1267.94
MW-16S	10146.7788	10236.8582	1279.32	7.0	17.0	Shallow	13.08	NA	1266.24	11.51	NA	1267.81
MW-16D	10143.9497	10236.6005	1279.05	36.0	46.0	Deep	13.78	NA	1265.27	11.25	NA	1267.80
MW-17	9987.6315	9995.5207	1278.7			Deep	10.37	NA	1268.33	9.58	NA	1269.12
MW-18	9994.6655	10459.2207	1275.49		20.0	Shallow	10.41	NA	1265.08	8.73	NA	1266.76
MW-19S	9956.1454	10358.207	1276.82	9.0	19.0	Shallow	10.93	NA	1265.89	9.34	NA	1267.48
MW-19D	9951.569	10355.9748	1276.21	34.0	44.0	Deep	11.02	NA	1265.19	9.45	NA	1266.76
MW-20	9894.7336	10224.5128	1278.56	6.5	11.5	Shallow	7.88	NA	1270.68	6.51	NA	1272.05
MW-21D	9995.0094	10314.801	1276.12	31.5	41.0	Deep	10.75	NA	1265.37	8.52	NA	1267.60
MW-22D	10048.1687	10391.3548	1276.04	32.5	42.0	Deep	10.91	NA	1265.13	9.14	NA	1266.90
MW-23S	9824.696	10265.6365	1277.85	5.0	14.5	Shallow	6.69	NA	1271.16	5.37	NA	1272.48
MW-23D	9818.3152	10265.6675	1277.89	28.0	37.5	Deep	11.61	NA	1266.28	9.31	NA	1268.58
MW-24S	9817.1277	10186.2119	1278.77	5.0	14.5	Shallow	8.04	NA	1270.73	6.97	NA	1271.80

APPENDIX A-1

2006 Water Level Data
Essex/Hope Site
Jamestown, NY

Well No.	Northing	Easting	Reference Elevation (ft msl)	Depth to Top of Screen	Depth to Bottom of Screen	Screened Zone	August 23, 2006			November 6, 2006		
							Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)	Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)
HW-8	9834.664	10312.0885	1277.81	6.0	16.0	Shallow	6.87	NA	1270.94	5.16	NA	1272.65
HW-9	9810.5264	10313.3873	1280.78	6.0	16.0	Shallow	10.22	NA	1270.56	8.43	NA	1272.35
HW-10	9837.2976	9966.7406	1279.55	7.0	17.0	Shallow	NA	NA	NA	NM	NA	NA
RW-1S	9932.3606	10136.0515	1275.81	10.5	16.0	Shallow	11.25	11.50	1264.56	7.74	11.50	1268.07
RW-1D	9925.9898	10121.7689	1276.34	32.0	57.0	Deep	11.48	NM	1264.86	7.71	NM	1268.63
RW-2S	9982.9501	10151.7112	1276.33	10.0	15.5	Shallow	7.33	12.70	1269.00	6.53	12.70	1269.80
RW-2D	9982.6088	10169.3122	1276.35	27.0	42.0	Deep	23.95	36.90	1252.40	7.75	36.90	1268.60
RW-3S	9837.0894	9990.9663	1278.14	9.0	13.5	Shallow	9.63	8.80	1268.51	7.24	8.80	1270.90
RW-5S	9863.4298	10330.7462	1277.29	7.0	10.0	Shallow	NA	NA	NA	5.11	NA	1272.18
GP-1S	9942.4384	10203.1085	1278.83	8.0	12.8	Shallow	NA	NA	NA	NA	NA	NA
GP-2S	9899.8775	10204.1632	1278.46	2.6	12.6	Shallow	NA	NA	NA	NA	NA	NA
GP-2D	9899.7358	10207.9807	1278.56	30.0	34.8	Deep	NA	NA	NA	NA	NA	NA
GP-3S	9941.2543	10263.8898	1278.59	4.0	14.0	Shallow	NA	NA	NA	NA	NA	NA
GP-3D	9936.9027	10264.588	1278.62	34.0	38.8	Deep	NA	NA	NA	NA	NA	NA
GP-4S	9940.86*	10154.97*	1278.06	10.8	15.8	Shallow	8.84	NA	1269.22	7.91	NA	1270.15
GP-4D	9942.1743	10152.2232	1277.95	39.0	43.8	Deep	NA	NA	NA	10.23	NA	1267.72
GP-5S	9994.7299	10200.2055	1277.44	7.0	11.8	Shallow	NA	NA	NA	NA	NA	NA
GP-5D	9994.8642	10202.9906	1276.81	36.0	40.8	Deep	NA	NA	NA	NA	NA	NA
PZ-1S	9981.8469	10169.3122	1277.77			Shallow	NA	NA	NA	NA	NA	NA
PZ-1D	9980.4294	10171.2636	1277.64			Deep	NA	NA	NA	NA	NA	NA
PZ-2D	9979.5627	10172.4761	1277.55			Deep	NA	NA	NA	NA	NA	NA
PZ-3D	9942.0414	10199.2937	1278.8	20.0	40.0	Deep	NA	NA	NA	NA	NA	NA
PZ-4D	9946.2326	10195.679	1278.71			Deep	NA	NA	NA	NA	NA	NA
PZ-5S	9897.7381	10330.7876	1276.42	5.5	12.0	Shallow	8.01	NA	1268.41	7.83	NA	1268.59
PZ-5D	9894.5731	10329.7148	1276.4	21.0	42.0	Deep	10.25	NA	1266.15	8.76	NA	1267.64
PZ-6S	9932.2079	10344.4895	1276.61	8.5	13.5	Shallow	10.12	NA	1266.49	8.36	NA	1268.25
PZ-6D	9929.8004	10343.4742	1276.62	25.5	45.5	Deep	11.08	NA	1265.54	9.21	NA	1267.41
PZ-7D	9994.5452	10463.2465	1275.68	22.0	42.0	Deep	11.24	NA	1264.44	9.21	NA	1266.47
PZ-8D	9856.4908	10237.8118	1278.12	21.0	41.0	Deep	NA	NA	NA	NA	NA	NA

APPENDIX A-1

2006 Water Level Data
Essex/Hope Site
Jamestown, NY

Well No.	Northing	Easting	Reference Elevation (ft msl)	Depth to Top of Screen	Depth to Bottom of Screen	Screened Zone	August 23, 2006			November 6, 2006		
							Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)	Depth to Water	Depth to Top of Pump	Groundwater Elevation (ft msl)
PZ-9D	9856.2398	10291.1658	1277.3	19.0	39.0	Deep	2.43	NA	1274.87	2.27	NA	1275.03
PZ-10D	9858.9821	10366.4236	1277.52	26.5	46.5	Deep	11.56	NA	1265.96	9.61	NA	1267.91
PZ-11D	9863.0677	10452.8989	1276.63	21.3	41.3	Deep	11.15	NA	1265.48	9.33	NA	1267.30
VP-5D	9925.1052	10103.0141	1277.88	12.5	34.3	Deep	10.75	NA	1267.13	9.49	NA	1268.39
VP-6S	9928.8123	10423.4628	1276.48	18.3	24.0	Deep upper gravel	11.14	NA	1265.34	9.47	NA	1267.01
VP-6D	9932.5744	10424.1378	1276.6	29.5	39.5	Deep	11.34	NA	1265.26	9.56	NA	1267.04
VP-7D	9758.4881	10337.7133	1278.64	20.4	39.3	Deep	12.43	NA	1266.21	11.61	NA	1267.03
VP-8D	9994.6178	10197.8133	1277.15	20.0	39.0	Deep	NA	NA	NA	9.67	NA	1267.48

Notes:

NM = Not Measure
NA = Not Applicable

RW-4S, RW-5S taken offline in October 2002 for UST Removal.
Wells RW-4S, TW-01, and HW-7 destroyed during UST removal operations.

URS

APPENDIX A-2

Groundwater Extraction System Monitoring Data

APPENDIX A-2

2006 Groundwater Extraction System Monitoring Data
Essex/Hope Site
Jamestown, NY

Date	NPL Area - Shallow WBZ			NPL Area - L.F. Sand WBZ			AST/UST Area - Shallow	Comments
	RW-1S Avg. GPM	RW-2S Avg. GPM	Total GPM	RW-1D Avg. GPM	RW-2D Avg. GPM	Total GPM	RW-3S Avg. GPM	
02/14/06	0.132	0.857	0.989	Offline	1.37	1.37	0.020	RW-2D meter malfunction.
03/07/06	0.125	1.12	1.245	Offline	0.243	0.243	0.016	
03/16/06	0.143	1.19	1.333	Offline			0.064	
03/29/06	0.128	1.17	1.298	Offline			0.002	
04/18/06	0.101	0.948	1.049	Offline			0.005	
05/23/06	0.078	0.640	0.718	Offline			0.006	
06/14/06	0.065	0.490	0.555	Offline			0.005	
06/28/06	0.051	0.265	0.316	Offline			0.006	RW-2D meter replaced.
06/29/06	0.070	0.567	0.637	Offline	2.11	2.11	0.024	
07/11/06	0.104	0.326	0.43	Offline	1.99	1.99	0.013	
07/27/06	0.173	0.017	0.19	Offline	1.95	1.95	0.003	
08/10/06	0.193	0.005	0.198	Offline	1.37	1.37	0.029	
08/22/06	0.120	0.007	0.127	Offline	2.36	2.36	0.016	
09/20/06	0.160	0.002	0.162	Offline	1.73	1.73	0.007	
10/03/06	All Recovery Wells (RWs) Offline for Meter Cleaning, Well Development, Pump Inspection, and RW-2D Acid Treatment.							
10/05/06	0.173	0.001	0.174	Offline	2.08	2.08	0.000	All RWs online at 1740 hours.
10/06/06	0.609	0.086	0.695	Offline	2.55	2.55	0.104	
10/10/06	0.383	0.002	0.385	Offline	2.55	2.55	0.005	
10/11/06	0.237	0.000	0.237	Offline	2.57	2.57	0.000	All RWs offline for continued well development.
10/12/06	0.197		0.197	Offline	2.16	2.16		RWs online at 1705 hours, RW-2S remain offline for repair. RW-3S meter replaced.

APPENDIX A-2

2006 Groundwater Extraction System Monitoring Data
Essex/Hope Site
Jamestown, NY

Date	NPL Area - Shallow WBZ			NPL Area - L.F. Sand WBZ			AST/UST Area - Shallow	Comments
	RW-1S	RW-2S	Total	RW-1D	RW-2D	Total	RW-3S	
	Avg. GPM	Avg. GPM	GPM	Avg. GPM	Avg. GPM	GPM	Avg. GPM	
10/17/06	0.210		0.21	Offline	1.47	1.47	0.027	RW-2S still offline.
10/19/06	0.260		0.26	Offline	1.04	1.04	0.049	All RWs offline at 0800 hours due to block in discharge meter resulting in system shutdown.
10/19/06	0.062		0.062	Offline	0.636	0.636	0.010	RWs online at 1500 hours. RW-2S still offline.
10/26/06	0.272		0.272	Offline	2.96	2.96	0.051	New discharge meter installed.
11/02/06	0.268		0.268	Offline	3.26	3.26	0.073	RWs offline at 1600 due to electrical malfunction in control panel. RW-2S repaired.
11/06/06	0.258		0.258	Offline	3.13	3.13	0.000	All RWs online at approximately 1720 hours. RW-3S offline again at 1800 hours due to pumping malfunctions.
11/07/06	0.309	3.27	3.579	Offline	3.29	3.29		RW-3S still offline.
11/09/06	0.223	2.19	2.413	Offline	3.25	3.25		RW-3S still offline.
11/09/06	0.181	1.81	1.991	Offline	3.25	3.25		RW-3S still offline. RW-2S offline for approximately 1.5 hours for level probe replacement.
11/13/06	0.130	1.40	1.53	Offline	3.23	3.23		RW-3S online at following motor replacement.
11/14/06	0.113	1.20	1.313	Offline	2.84	2.84	0.002	RW-3S offline briefly for meter inspection/cleaning.
11/15/06	0.109	1.10	1.209	Offline	2.82	2.82	0.056	
11/15/06	0.104	1.03	1.134	Offline	2.72	2.72	0.043	
11/27/06	0.141	1.69	1.831	Offline	3.04	3.04	0.059	
11/27/06	0.075	0.619	0.694	Offline	2.98	2.98	0.000	
11/28/06	0.070	0.563	0.633	Offline	3.03	3.03	0.001	
12/06/06	0.028	0.243	0.271	Offline	1.23	1.23	0.017	All systems down upon arrival due to potential power outage.
12/20/06	0.110	1.17	1.28	Offline	3.04	3.04	0.013	
12/21/06	0.069	0.521	0.59	Offline	3.09	3.09	0.017	

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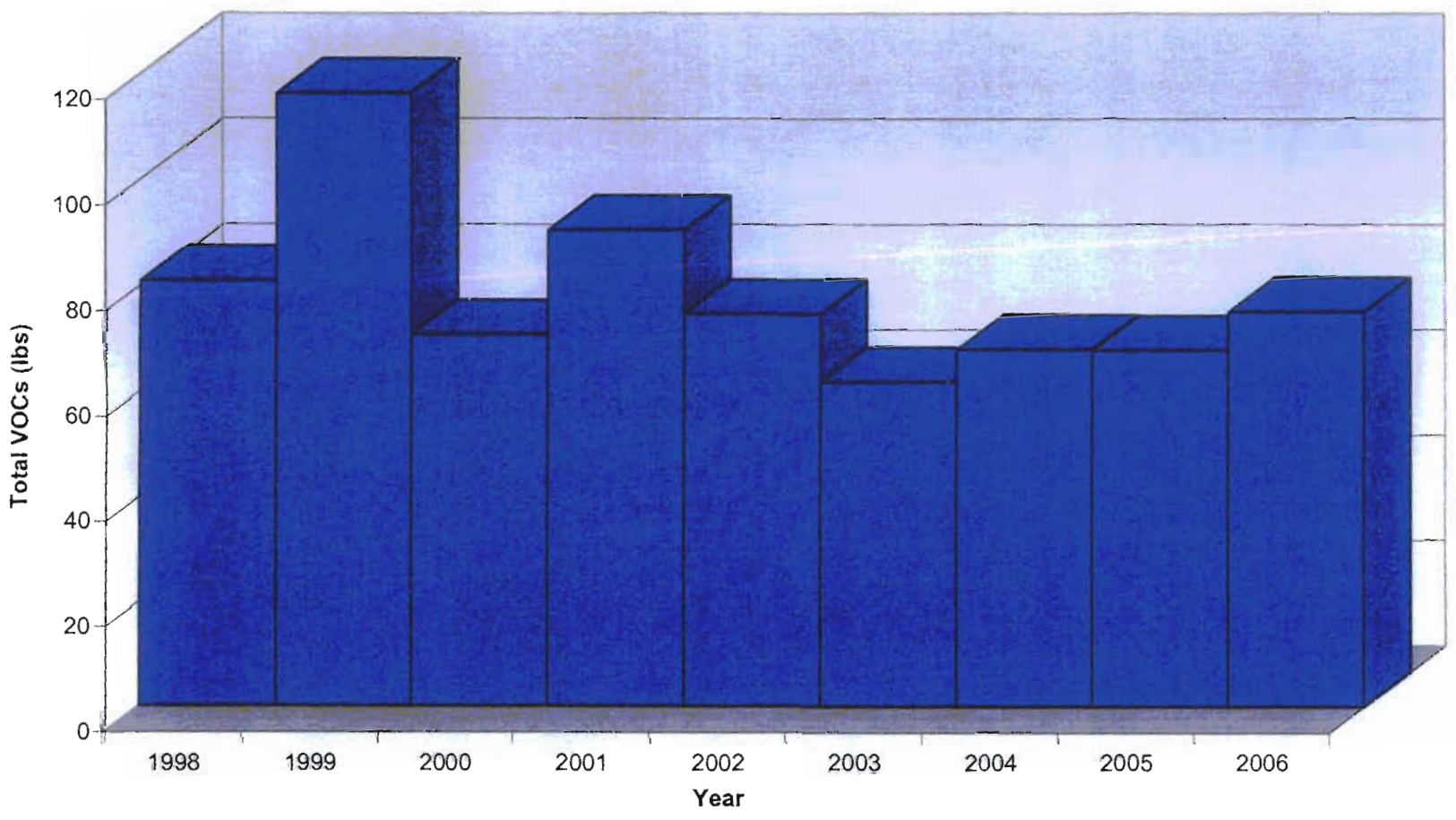
APPENDIX A-3

Recovery Well Performance Data

APPENDIX A-3 - Recovery Well Performance Data

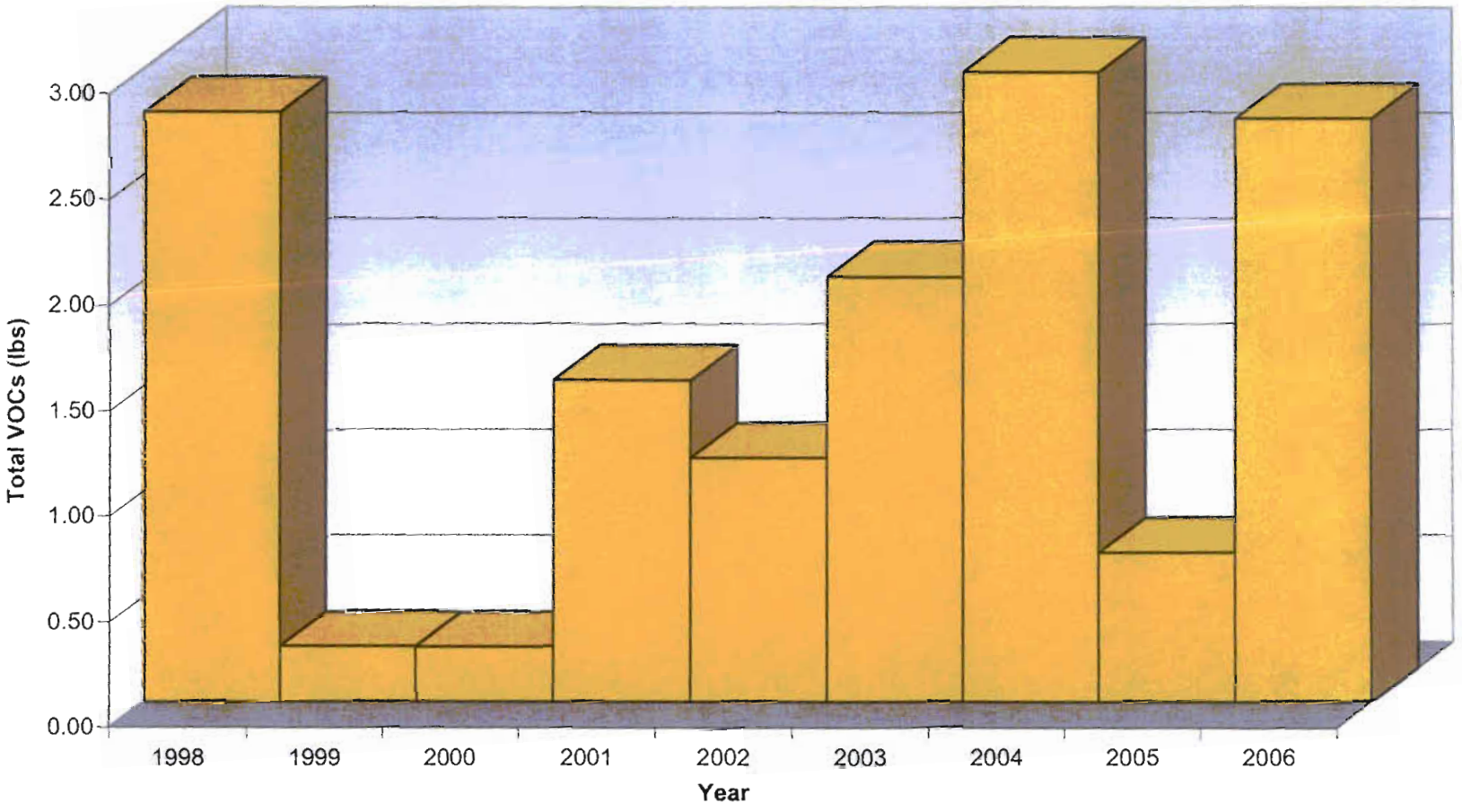
TOTAL SITE VOCs MASS REMOVED

Essex/Hope Site
Jamestown, NY



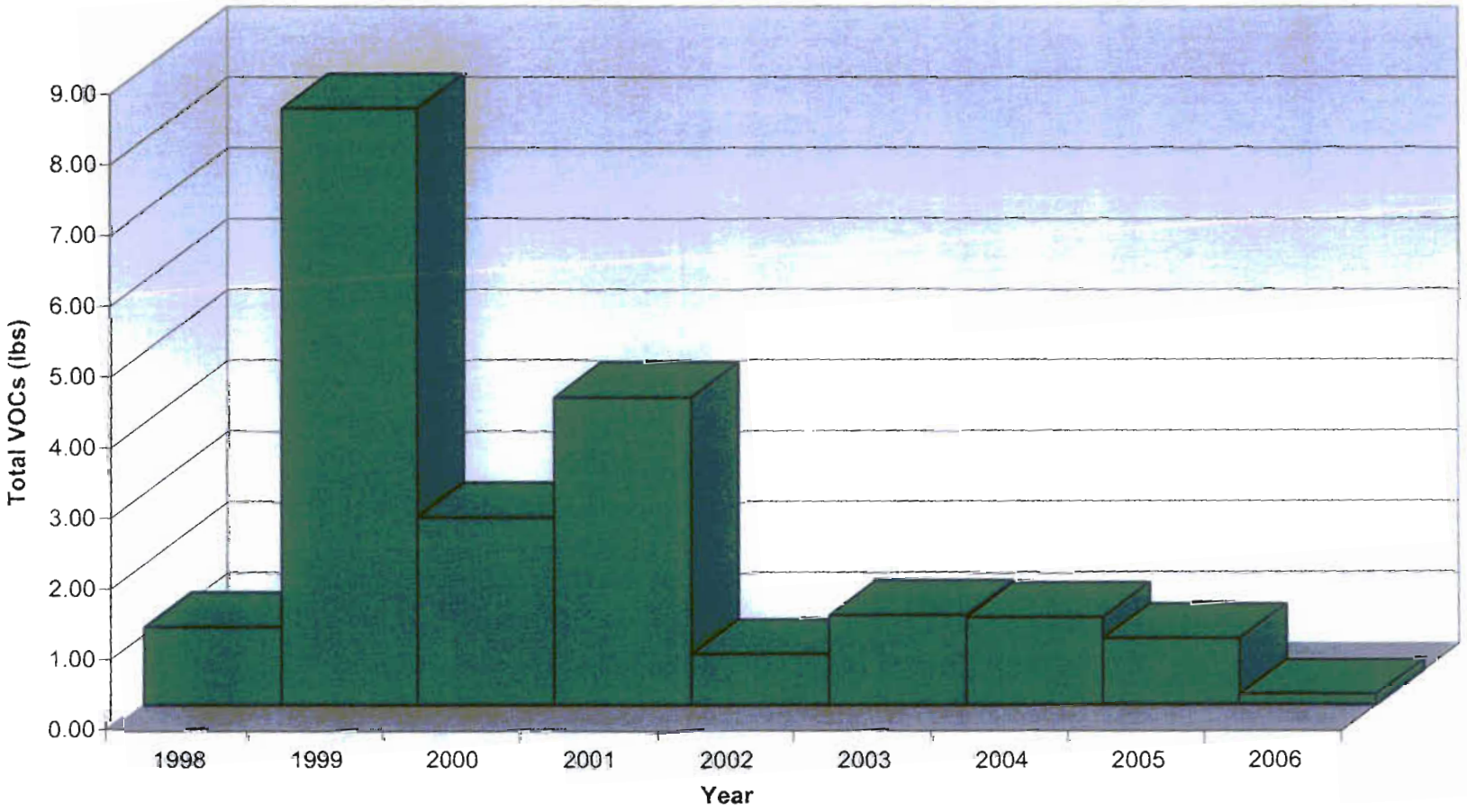
APPENDIX A-3 - Recovery Well Performance Data

RW-1S - Total VOCs Mass Removed
Essex/Hope Site
Jamestown, NY



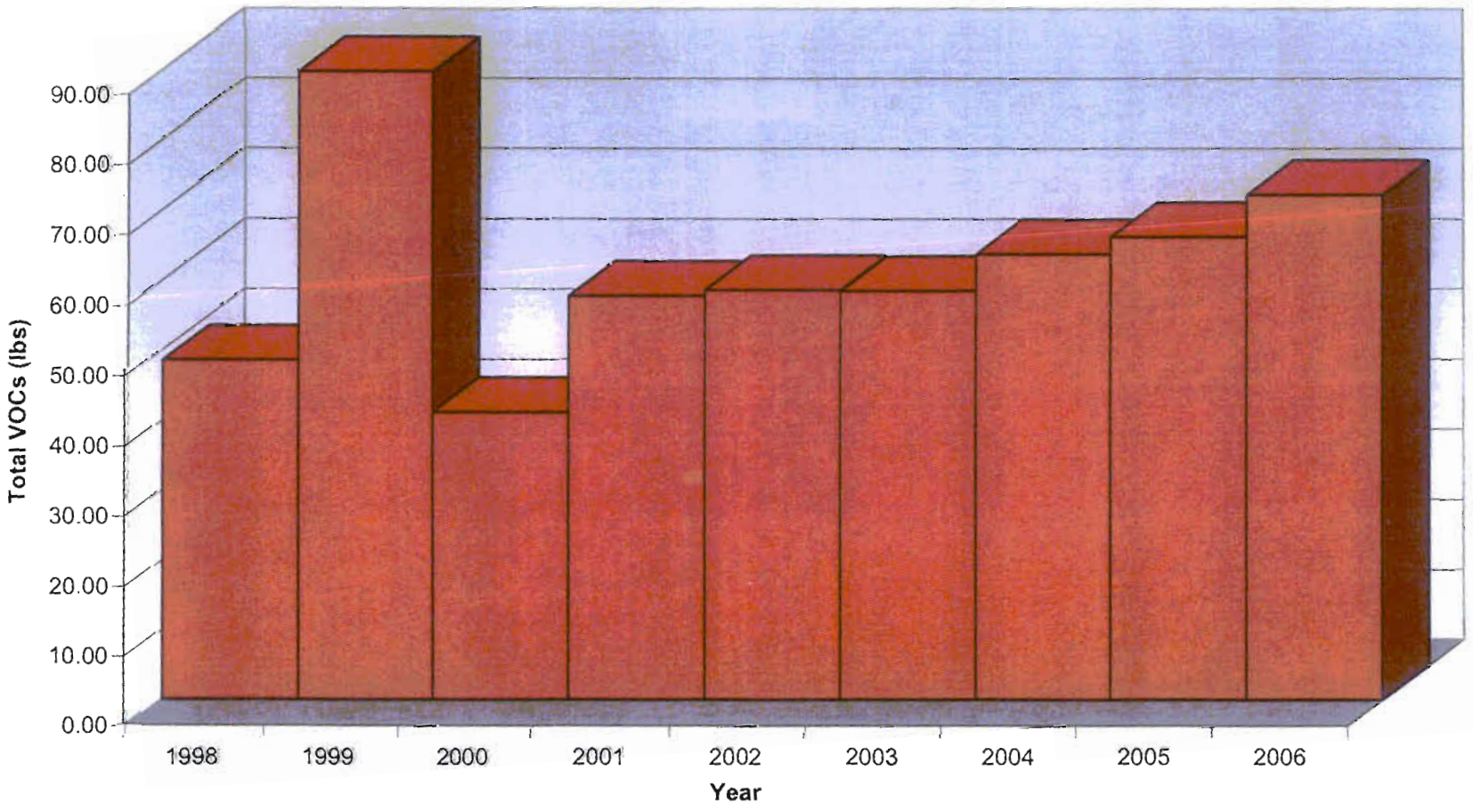
APPENDIX A-3 - Recovery Well Performance Data

RW-2S - Total VOCs Mass Removed
Essex/Hope Site
Jamestown, NY



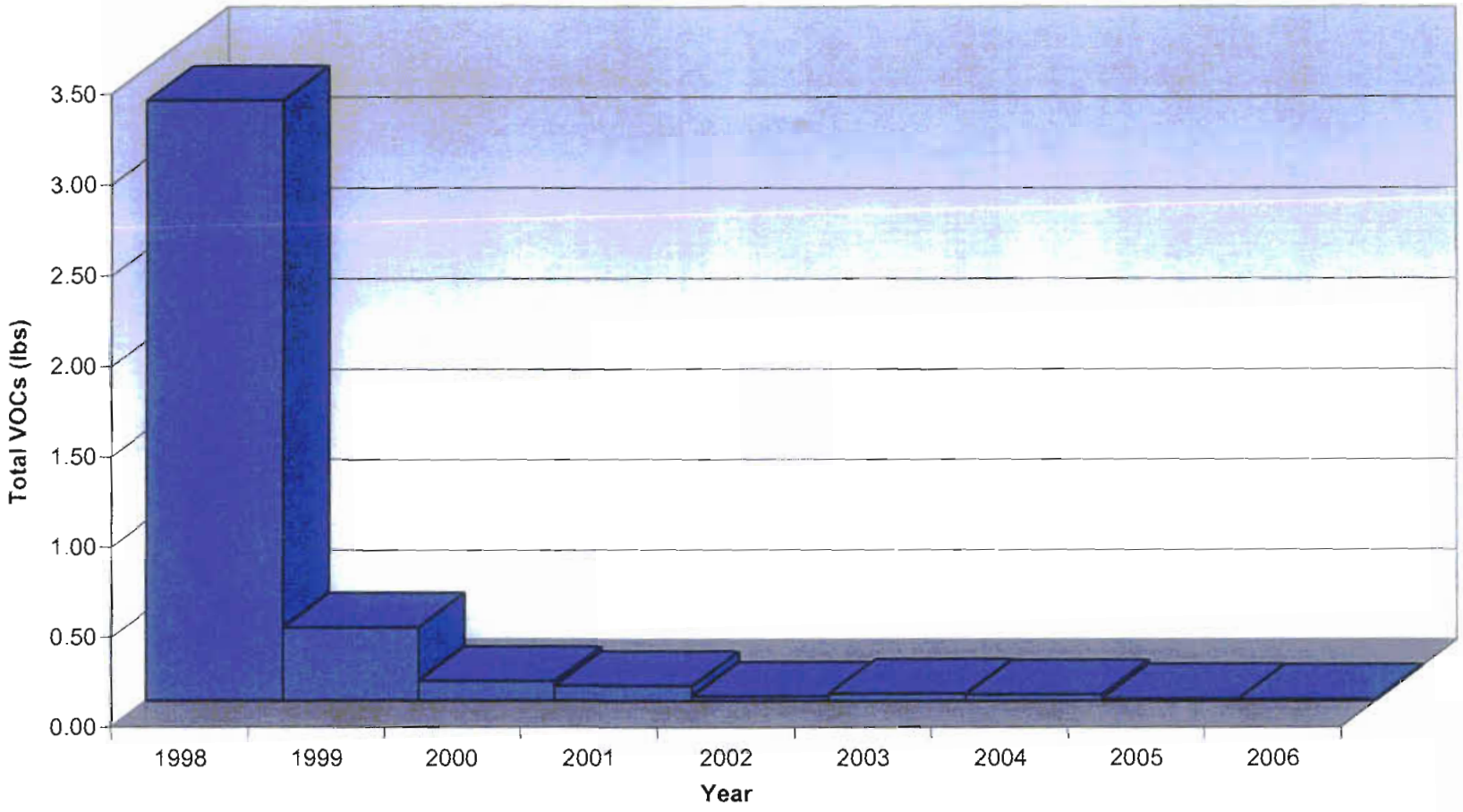
APPENDIX A-3 - Recovery Well Performance Data

RW-2D - Total VOCs Mass Removed
Essex/Hope Site
Jamestown, NY



APPENDIX A-3 - Recovery Well Performance Data

RW-3S - Total VOCs Mass Removed
Essex/Hope Site
Jamestown, NY



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APPENDIX B

LABORATORY ANALYTICAL DATA

URS

APPENDIX B-1

2006 SEMI-ANNUAL RECOVERY WELL DATA

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

July 19, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on July 12, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-4206 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715

Pace Sample Identification	Client Sample Identification
0607-1084	RW-1S
0607-1085	RW-1D
0607-1086	RW-2S

Pace Sample Identification	Client Sample Identification
0607-1087	RW-2D
0607-1088	RW-3S
0607-1089	TB-01

General Comments: Cooler temperature 6 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4206**
Lab Sample ID: **0607-1084**
Client Sample ID: RW-1S
Sample Matrix: Aqueous

Date Sampled: 07/11/2006
Date Received: 07/12/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	07/14/2006	0051185-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	870	50	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	9.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

(Continued)

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Lab Sample ID: **0607-1084**
Client Sample ID: RW-1S

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichloroethene	8260B[1]	2900	50	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Vinyl chloride	8260B[1]	16	2.0	ug/l	MAK	07/14/2006	0051185-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
o-*Xylene*	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4206**
Lab Sample ID: **0607-1085**
Client Sample ID: RW-1D
Sample Matrix: Aqueous

Date Sampled: 07/11/2006
Date Received: 07/12/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Benzene	8260B(1)	2.3	1.0	ug/l	MAK	07/14/2006	0051185-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethene	8260B(1)	5.3	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	510	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	21	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

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Lab Sample ID: **0607-1085**
Client Sample ID: RW-1D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichloroethene	8260B[1]	18	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Vinyl chloride	8260B[1]	60	2.0	ug/l	MAK	07/14/2006	0051185-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. The result for cis-1,2-Dichloroethene exceeded the calibration range of the instrument and should therefore be considered estimated. This sample was randomly selected for Matrix Spike and Matrix Spike duplicate analysis so there was no sample remaining for dilution and re-analysis.

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Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4206**
Lab Sample ID: **0607-1086**
Client Sample ID: RW-2S
Sample Matrix: Aqueous

Date Sampled: 07/11/2006
Date Received: 07/12/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	07/14/2006	0051185-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	9.8	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

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Client Sample ID: RW-2S

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichloroethene	8260B[1]	23	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	07/14/2006	0051185-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4206**
Lab Sample ID: **0607-1087**
Client Sample ID: RW-2D
Sample Matrix: Aqueous

Date Sampled: 07/11/2006
Date Received: 07/12/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Benzene	8260B(1)	8.7	1.0	ug/l	MAK	07/14/2006	0051185-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethene	8260B(1)	22	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	4700	50	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	38	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

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Client Sample ID: RW-2D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichloroethene	8260B[1]	820	50	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Vinyl chloride	8260B[1]	910	100	ug/l	MAK	07/14/2006	0051185-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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Export, PA 15632
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Fax: 724.327.7793

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4206**
Lab Sample ID: **0607-1088**
Client Sample ID: RW-3S
Sample Matrix: Aqueous

Date Sampled: 07/11/2006
Date Received: 07/12/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Benzene	8260B(1)	12	1.0	ug/l	MAK	07/14/2006	0051185-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	11	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Ethylbenzene	8260B(1)	5.2	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

(Continued)

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Lab Sample ID: **0607-1088**
Client Sample ID: RW-3S

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichloroethene	8260B[1]	6.8	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Vinyl chloride	8260B[1]	20	2.0	ug/l	MAK	07/14/2006	0051185-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4206**
Lab Sample ID: **0607-1089**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 07/11/2006
Date Received: 07/12/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	07/14/2006	0051185-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/14/2006	0051185-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

(Continued)

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Lab Sample ID: **0607-1089**
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	07/14/2006	0051185-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/14/2006	0051185-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of

Section A
Required Client Information:

Company	
Address	
Email To:	
Phone	Fax
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER ____

Section D
Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / .-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY):

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

SEE REVERSE SIDE FOR INSTRUCTIONS

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Export, PA 15632
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January 8, 2007

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on December 22, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-8158 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Pace Sample Identification	Client Sample Identification
0612-4014	RW-1S
0612-4015	RW-1D
0612-4016	RW-2S

Pace Sample Identification	Client Sample Identification
0612-4017	RW-2D
0612-4018	RW-3S
0612-4019	TB-01

General Comments: Cooler temperature 2 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8158**
Lab Sample ID: **0612-4014**
Client Sample ID: RW-1S
Sample Matrix: Aqueous

Date Sampled: 12/21/2006
Date Received: 12/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	01/04/2007	0056469-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethene	8260B(1)	5.7	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	1100	50	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	6.7	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

(Continued)

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Fax: 724.327.7793

Lab Sample ID: **0612-4014**
Client Sample ID: RW-1S

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichloroethene	8260B[1]	4000	50	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Vinyl chloride	8260B[1]	29	2.0	ug/l	MAK	01/04/2007	0056469-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8158**
Lab Sample ID: **0612-4015**
Client Sample ID: RW-1D
Sample Matrix: Aqueous

Date Sampled: 12/21/2006
Date Received: 12/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Benzene	8260B(1)	2.5	1.0	ug/l	MAK	01/04/2007	0056469-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	400	50	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	13	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

(Continued)

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Lab Sample ID: **0612-4015**
Client Sample ID: RW-1D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichloroethene	8260B[1]	19	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Vinyl chloride	8260B[1]	53	2.0	ug/l	MAK	01/04/2007	0056469-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8158**
Lab Sample ID: **0612-4016**
Client Sample ID: RW-2S
Sample Matrix: Aqueous

Date Sampled: 12/21/2006
Date Received: 12/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	01/04/2007	0056469-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	33	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

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Lab Sample ID: **0612-4016**
Client Sample ID: RW-2S

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichloroethene	8260B[1]	24	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Vinyl chloride	8260B[1]	6.6	2.0	ug/l	MAK	01/04/2007	0056469-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8158**
Lab Sample ID: **0612-4017**
Client Sample ID: RW-2D
Sample Matrix: Aqueous

Date Sampled: 12/21/2006
Date Received: 12/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Benzene	8260B(1)	9.8	1.0	ug/l	MAK	01/04/2007	0056469-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethene	8260B(1)	27	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	5500	50	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	37	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

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Lab Sample ID: **0612-4017**
Client Sample ID: RW-2D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichloroethene	8260B[1]	1900	50	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Vinyl chloride	8260B[1]	860	100	ug/l	MAK	01/04/2007	0056469-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8158**
Lab Sample ID: **0612-4018**
Client Sample ID: RW-3S
Sample Matrix: Aqueous

Date Sampled: 12/21/2006
Date Received: 12/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Benzene	8260B(1)	71	1.0	ug/l	MAK	01/04/2007	0056469-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Cumene	8260B(1)	12	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Ethylbenzene	8260B(1)	63	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

(Continued)

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Lab Sample ID: **0612-4018**
Client Sample ID: RW-3S

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Vinyl chloride	8260B[1]	2.7	2.0	ug/l	MAK	01/04/2007	0056469-1	<2.0
m,p-Xylene	8260B[1]	20	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
o-Xylene	8260B[1]	12	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8158**
Lab Sample ID: **0612-4019**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 12/21/2006
Date Received: 12/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	01/04/2007	0056469-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/04/2007	0056469-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

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Lab Sample ID: **0612-4019**
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	01/04/2007	0056469-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/04/2007	0056469-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A
Required Client Information:

Company	
Address	
Email To:	
Phone / Fax	
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER ____

Section D
Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N) / Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	RW-1S	WT	G						2				X							
2	RW-1D																			
3	RW-3S																			
4	RW-2D																			
5	RW-2S																			
6	TB-01	WT	G						2				X							
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY):

URS

APPENDIX B-2

2006 ANNUAL PMP MONITORING WELL DATA

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November 22, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on November 8, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-7002 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Pace Sample Identification	Client Sample Identification
0611-1340	MW-14D
0611-1341	MW-14S
0611-1342	MW-15S
0611-1343	MW-15D
0611-1344	MW-2

Pace Sample Identification	Client Sample Identification
0611-1345	MW-6
0611-1346	MW-8
0611-1347	MW-7S
0611-1348	MW-20
0611-1349	TB-01

General Comments: Cooler temperature 6 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

Page 1 of 22

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1340**
Client Sample ID: MW-14D
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

(Continued)

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Lab Sample ID: **0611-1340**
Client Sample ID: MW-14D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	2.3	2.0	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1341**
Client Sample ID: MW-14S
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	2.2	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	36	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	2700	50	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	33	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

(Continued)

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Lab Sample ID: **0611-1341**
Client Sample ID: MW-14S

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	2700	50	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	220	2.0	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1342**
Client Sample ID: MW-15S
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

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Lab Sample ID: **0611-1342**
Client Sample ID: MW-15S

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	9.2	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1343**
Client Sample ID: MW-15D
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	45	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	6100	50	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	69	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

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Lab Sample ID: 0611-1343
Client Sample ID: MW-15D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	380	50	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	530	100	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1344**
Client Sample ID: MW-2
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

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Lab Sample ID: **0611-1344**
Client Sample ID: MW-2

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
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Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1345**
Client Sample ID: MW-6
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

(Continued)

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Lab Sample ID: **0611-1345**
Client Sample ID: MW-6

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1346**
Client Sample ID: MW-8
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	61	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

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Lab Sample ID: **0611-1346**
Client Sample ID: MW-8

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	19	2.0	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1347**
Client Sample ID: MW-7S
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	6.6	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

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Lab Sample ID: 0611-1347
Client Sample ID: MW-7S

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	6.3	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	3.7	2.0	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1348**
Client Sample ID: MW-20
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	1.6	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	320	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	620	50	ug/l	MAK	11/20/2006	0055049-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

(Continued)

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Lab Sample ID: **0611-1348**
Client Sample ID: MW-20

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	230	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	4600	100	ug/l	MAK	11/20/2006	0055049-1	<5.0
o-Xylene	8260B[1]	410	50	ug/l	MAK	11/20/2006	0055049-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7002**
Lab Sample ID: **0611-1349**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 11/07/2006
Date Received: 11/08/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/18/2006	0054975-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/18/2006	0054975-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

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Lab Sample ID: **0611-1349**
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/18/2006	0054975-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/18/2006	0054975-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A
Required Client Information:

Company	
Address	
Email To:	
Phone / Fax	
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER

Section D **Required** Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-14	WT	G	11/7/06	0920				2				X							X	
2	MW-15				0955															X	
3	MW-5				1028															X	
4	MW-3				1110															X	
5	MW-2				1135															X	
6	MW-6				1410				3				X							X	
7	MW-8				1445															X	
8	MW-25				1520				2				X							X	
9	MW-20				1610															X	
10	TB-01	↓	↓	↓	—				3				X							X	
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			FedEx Air Bill #		

SAMPLE CONDITION

	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY):

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November 27, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on November 9, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-7043 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Pace Sample Identification	Client Sample Identification
0611-1610	EB-01
0611-1611	MW-21D
0611-1612	MW-22D
0611-1613	VP-6D
0611-1614	MW-19D

Pace Sample Identification	Client Sample Identification
0611-1615	MW-7D
0611-1616	PZ-7D
0611-1617	PZ-11D
0611-1618	DUP-01
0611-1619	TB-02

General Comments: Cooler temperature 5 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1610**
Client Sample ID: EB-01
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

(Continued)

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Lab Sample ID: **0611-1610**
Client Sample ID: EB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/20/2006	0055058-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1611**
Client Sample ID: MW-21D
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	46	10	ug/l	MAK	11/20/2006	0055058-1	<10
Benzene	8260B(1)	440	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	510	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	130000	5000	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	420	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

(Continued)

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Lab Sample ID: **0611-1611**
Client Sample ID: MW-21D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	27	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	480000	5000	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	3000	2.0	ug/l	MAK	11/20/2006	0055058-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. The result for Vinyl Chloride, 1,1-Dichloroethene, trans-1,2-Dichloroethene exceeded the calibration range of the instrument in the neat analysis. These compounds were below calibration in the dilution. The result from the neat analysis is reported and should be considered estimated.

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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1612**
Client Sample ID: MW-22D
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Benzene	8260B(1)	27	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	43	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	6000	100	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	46	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

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Lab Sample ID: **0611-1612**
Client Sample ID: MW-22D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	28000	100	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	210	2.0	ug/l	MAK	11/20/2006	0055058-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1613**
Client Sample ID: VP-6D
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

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Lab Sample ID: **0611-1613**
Client Sample ID: VP-6D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	16	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/20/2006	0055058-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1614**
Client Sample ID: MW-19D
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	13000	2000	ug/l	MAK	11/21/2006	0055085-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	100	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

(Continued)

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Lab Sample ID: **0611-1614**
Client Sample ID: MW-19D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	140	2.0	ug/l	MAK	11/20/2006	0055058-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1615**
Client Sample ID: MW-7D
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Benzene	8260B(1)	9.0	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	8.7	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	2500	50	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	15	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

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Lab Sample ID: **0611-1615**
Client Sample ID: MW-7D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	57	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	800	100	ug/l	MAK	11/20/2006	0055058-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1616**
Client Sample ID: PZ-7D
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	28	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

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Lab Sample ID: 0611-1616
Client Sample ID: PZ-7D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	15	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	330	2.0	ug/l	MAK	11/20/2006	0055058-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1617**
Client Sample ID: PZ-11D
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	43	10	ug/l	MAK	11/20/2006	0055058-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

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Lab Sample ID: **0611-1617**
Client Sample ID: PZ-11D

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/20/2006	0055058-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1618**
Client Sample ID: DUP-01
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Benzene	8260B(1)	11	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	11	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	2900	50	ug/l	MAK	11/21/2006	0055085-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	19	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Lab Sample ID: **0611-1618**
Client Sample ID: DUP-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	69	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	900	100	ug/l	MAK	11/21/2006	0055085-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.40000

Lab Project ID: **06-7043**
Lab Sample ID: **0611-1619**
Client Sample ID: TB-02
Sample Matrix: Aqueous

Date Sampled: 11/08/2006
Date Received: 11/09/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/20/2006	0055058-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/20/2006	0055058-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

(Continued)

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Lab Sample ID: **0611-1619**
Client Sample ID: TB-02

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/20/2006	0055058-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/20/2006	0055058-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A Required Client Information:

Company:

Address:

Email To:

Phone: Fax:

Requested Due Date/TAT:

Section B Required Project Information:

Report To:

Copy To:

Purchase Order No.:

Project Name:

Project Number:

Section C Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	EB-01	WT	G	11/8/06	0840				3				X						X	
2	MW-2D				0930				3										X	
3	MW-2S								1										X	
4	MW-3S																			
5	VP-6D	WT	G	11/8/06	1100				3				X						X	
6	MW-1D				1140				3				X						X	
7	MW-7D				1200				3				X						X	
8	PZ-7D				1405				3				X						X	
9	PZ-11D				1530				3				X						X	
10	DUP-01				—				3				X						X	
11	TB-02	W	W	11/8/06	—				3				X						X	
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible] MRS	11/9/06	1900	FedEx Ground	11/8/06	1800
			9555 9039 6097		

SAMPLE CONDITION

	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

URS

APPENDIX B-3

2006 MONTHLY POTW INFLUENT/EFFLUENT SAMPLE DATA

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February 14, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on February 10, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Please reference Pace project number 06-0857 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567503

Pace Sample Identification	Client Sample Identification
0602-1300	Pre-Carb
0602-1301	Primary Effluent
0602-1302	Post-Carb
0602-1303	TB-01

General Comments: Cooler temperature 6 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

REPORT OF LABORATORY ANALYSIS

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567503

Lab Project ID: **06-0857**
Lab Sample ID: **0602-1300**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 02/09/2006
Date Received: 02/10/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Benzene	8260B(1)	5.2	1.0	ug/l	EAC	02/13/2006	0046923-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1-Dichloroethene	8260B(1)	9.1	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	2600	50	ug/l	EAC	02/13/2006	0046923-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	9.6	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0

(Continued)

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Fax: 724.327.7793

Lab Sample ID: **0602-1300**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Trichloroethene	8260B[1]	660	50	ug/l	EAC	02/13/2006	0046923-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Vinyl chloride	8260B[1]	320	2.0	ug/l	EAC	02/13/2006	0046923-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567503

Lab Project ID: **06-0857**
Lab Sample ID: **0602-1301**
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 02/09/2006
Date Received: 02/10/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	EAC	02/13/2006	0046923-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	16	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0602-1301**
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Vinyl chloride	8260B[1]	9.3	2.0	ug/l	EAC	02/13/2006	0046923-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
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Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567503

Lab Project ID: **06-0857**
Lab Sample ID: **0602-1302**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 02/09/2006
Date Received: 02/10/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	EAC	02/13/2006	0046923-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	16	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0

(Continued)

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Lab Sample ID: **0602-1302**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Vinyl chloride	8260B[1]	18	2.0	ug/l	EAC	02/13/2006	0046923-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0602-1302 was composited from 4 samples prior to analysis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567503

Lab Project ID: **06-0857**
Lab Sample ID: **0602-1303**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 02/09/2006
Date Received: 02/10/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	EAC	02/13/2006	0046923-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	EAC	02/13/2006	0046923-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0602-1303**
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	EAC	02/13/2006	0046923-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	02/13/2006	0046923-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company	Report To:	Attention:
Address	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone / Fax	Project Name:	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / .-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

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February 28, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on February 22, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Please reference Pace project number 06-1061 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567474

Pace Sample Identification	Client Sample Identification
0602-2313	Pre-Carb
0602-2314	Primary-Eff
0602-2315	Post-Carb
0602-2316	Trip Blank

General Comments: Cooler temperature 4 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

Page 1 of 10

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Mr. Mark Dowiak
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Construction Services Division
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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567474

Lab Project ID: **06-1061**
Lab Sample ID: **0602-2313**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 02/21/2006
Date Received: 02/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	02/27/2006	0047313-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	94	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1.2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0602-2313**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Trichloroethene	8260B[1]	370	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Vinyl chloride	8260B[1]	2.6	2.0	ug/l	MAK	02/27/2006	0047313-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567474

Lab Project ID: **06-1061**
Lab Sample ID: **0602-2314**
Client Sample ID: Primary-Eff
Sample Matrix: Aqueous

Date Sampled: 02/21/2006
Date Received: 02/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	02/27/2006	0047313-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	13	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0

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Lab Sample ID: **0602-2314**
Client Sample ID: Primary-Eff

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Vinyl chloride	8260B[1]	7.1	2.0	ug/l	MAK	02/27/2006	0047313-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567474

Lab Project ID: **06-1061**
Lab Sample ID: **0602-2315**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 02/21/2006
Date Received: 02/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	02/27/2006	0047313-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	10	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0

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Lab Sample ID: **0602-2315**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Vinyl chloride	8260B[1]	8.6	2.0	ug/l	MAK	02/27/2006	0047313-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0602-2315 was composited from 4 samples prior to analysis.

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Client Site: Essex-Hope
Client Ref.: 41567474

Lab Project ID: **06-1061**
Lab Sample ID: **0602-2316**
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 02/21/2006
Date Received: 02/22/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	02/27/2006	0047313-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	02/27/2006	0047313-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0602-2316**
Client Sample ID: Trip Blank

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	02/27/2006	0047313-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	02/27/2006	0047313-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

CHAIN-OF-CUSTODY / Analytical Request Document

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

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Page: of

91962

Section A
Required Client Information:

Company	
Address	
Email To:	
Phone	Fax
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D **Required** Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

Temp in °C
Received on ice
Custody Sealed Cooler
Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

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Pace Analytical Services, Inc.
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Fax: 724.327.7793

April 11, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on March 30, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Please reference Pace project number 06-1966 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715

Pace Sample Identification	Client Sample Identification
0603-3688	Pre-Carb
0603-3689	Primary Effluent
0603-3690	Post-Carb
0603-3691	TB-01

General Comments: Cooler temperature 6 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-1966**
Lab Sample ID: **0603-3688**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 03/29/2006
Date Received: 03/30/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	04/04/2006	0048438-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	190	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0603-3688**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Trichloroethene	8260B[1]	710	10	ug/l	MAK	04/07/2006	0048506-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Vinyl chloride	8260B[1]	6.1	2.0	ug/l	MAK	04/04/2006	0048438-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-1966**
Lab Sample ID: **0603-3689**
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 03/29/2006
Date Received: 03/30/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	04/04/2006	0048438-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	24	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0

(Continued)

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Lab Sample ID: **0603-3689**
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Vinyl chloride	8260B[1]	9.7	2.0	ug/l	MAK	04/04/2006	0048438-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-1966**
Lab Sample ID: **0603-3690**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 03/29/2006
Date Received: 03/30/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	04/04/2006	0048438-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	9.5	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0603-3690**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Vinyl chloride	8260B[1]	7.3	2.0	ug/l	MAK	04/04/2006	0048438-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0603-3690 was composited from 4 samples prior to analysis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-1966**
Lab Sample ID: **0603-3691**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 03/29/2006
Date Received: 03/30/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	04/04/2006	0048438-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/04/2006	0048438-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0

(Continued)

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Lab Sample ID: **0603-3691**
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	04/04/2006	0048438-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/04/2006	0048438-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A **Required** Client Information:	Section B **Required** Project Information:	Section C Invoice Information:
Company	Report To:	Attention:
Address	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone / Fax	Project Name:	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D **Required** Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N) / Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

Temp in °C / Received on Ice / Custody Sealed Cooler / Samples Intact

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May 9, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on April 28, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-2537 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715

Pace Sample Identification	Client Sample Identification
0604-2849	Pre-Carb
0604-2850	Primary Effluent
0604-2851	Post-Carb
0604-2852	TB-01

General Comments: Cooler temperature 5 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

Page 1 of 10

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-2537**
Lab Sample ID: **0604-2849**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 04/27/2006
Date Received: 04/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Benzene	8260B(1)	1.0	1.0	ug/l	MAK	05/03/2006	0049148-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	180	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0

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Lab Sample ID: **0604-2849**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Trichloroethene	8260B[1]	570	10	ug/l	MAK	05/04/2006	0049195-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Vinyl chloride	8260B[1]	4.8	2.0	ug/l	MAK	05/03/2006	0049148-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-2537**
Lab Sample ID: **0604-2850**
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 04/27/2006
Date Received: 04/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	05/03/2006	0049148-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	31	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0604-2850**
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Vinyl chloride	8260B[1]	10	2.0	ug/l	MAK	05/03/2006	0049148-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
o-*Xylene*	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-2537**
Lab Sample ID: **0604-2851**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 04/27/2006
Date Received: 04/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	05/03/2006	0049148-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	13	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichlorooropane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0

(Continued)

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Lab Sample ID: **0604-2851**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Vinyl chloride	8260B[1]	7.7	2.0	ug/l	MAK	05/03/2006	0049148-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. This sample was composited from 4 vials prior to analysis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-2537**
Lab Sample ID: **0604-2852**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 04/27/2006
Date Received: 04/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	05/03/2006	0049148-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	05/03/2006	0049148-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0

(Continued)

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Lab Sample ID: **0604-2852**
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	05/03/2006	0049148-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	05/03/2006	0049148-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A
Required Client Information:

Company:	
Address:	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D
Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

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June 8, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on May 24, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-3048 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Pace Sample Identification	Client Sample Identification
0605-2919	Pre-Carb
0605-2920	Primary Effluent
0605-2921	Post-Carb
0605-2922	TB-01

General Comments: Cooler temperature 3 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

Page 1 of 10

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-3048**
Lab Sample ID: **0605-2919**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 05/23/2006
Date Received: 05/24/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	06/02/2006	0049948-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	190	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0

(Continued)

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Lab Sample ID: **0605-2919**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Trichloroethene	8260B[1]	770	50	ug/l	MAK	06/02/2006	0049948-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Vinyl chloride	8260B[1]	3.8	2.0	ug/l	MAK	06/02/2006	0049948-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
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Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-3048**
Lab Sample ID: **0605-2920**
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 05/23/2006
Date Received: 05/24/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	06/02/2006	0049948-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	36	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0

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Lab Sample ID: **0605-2920**
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Vinyl chloride	8260B[1]	7.0	2.0	ug/l	MAK	06/02/2006	0049948-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
o-*Xylene*	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-3048**
Lab Sample ID: **0605-2921**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 05/23/2006
Date Received: 05/24/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	06/02/2006	0049948-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	9.9	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0

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Lab Sample ID: **0605-2921**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Vinyl chloride	8260B[1]	6.3	2.0	ug/l	MAK	06/02/2006	0049948-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0605-2921 was composited from 4 samples prior to analysis.

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Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-3048**
Lab Sample ID: **0605-2922**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 05/23/2006
Date Received: 05/24/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	06/02/2006	0049948-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1.1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
trans-1.2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	06/02/2006	0049948-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0

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Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	06/02/2006	0049948-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	06/02/2006	0049948-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

09845AT

Section A
Required Client Information:

Company	
Address	
Email To:	
Phone	Fax
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D **Required** Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			FedEx		

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER.

Temp in °C
Received on Ice
Custody Sealed Cooler
Samples Intact

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July 13, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on June 30, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-4022 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715

Pace Sample Identification	Client Sample Identification
0606-4020	Pre-Carb
0606-4021	Primary Effluent
0606-4022	Post-Carb
0606-4026	Trip Blank

General Comments: Cooler temperature 6 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

Page 1 of 10

REPORT OF LABORATORY ANALYSIS

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4022**
Lab Sample ID: **0606-4020**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 06/29/2006
Date Received: 06/30/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Benzene	8260B(1)	7.1	1.0	ug/l	MAK	07/10/2006	0051050-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1-Dichloroethene	8260B(1)	19	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	3100	50	ug/l	MAK	07/12/2006	0051117-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	18	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0

(Continued)

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Lab Sample ID: **0606-4020**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Trichloroethene	8260B[1]	660	50	ug/l	MAK	07/12/2006	0051117-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Vinyl chloride	8260B[1]	540	100	ug/l	MAK	07/12/2006	0051117-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4022**
Lab Sample ID: **0606-4021**
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 06/29/2006
Date Received: 06/30/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	07/10/2006	0051050-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	49	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0

(Continued)

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Lab Sample ID: **0606-4021**
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Vinyl chloride	8260B[1]	8.3	2.0	ug/l	MAK	07/10/2006	0051050-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4022**
Lab Sample ID: **0606-4022**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 06/29/2006
Date Received: 06/30/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	07/10/2006	0051050-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	14	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0

(Continued)

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Lab Sample ID: **0606-4022**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Vinyl chloride	8260B[1]	5.4	2.0	ug/l	MAK	07/10/2006	0051050-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0606-4022 was composited from 4 samples prior to analysis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4022**
Lab Sample ID: **0606-4026**
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 06/29/2006
Date Received: 06/30/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	07/10/2006	0051050-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	07/10/2006	0051050-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0

(Continued)

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Lab Sample ID: **0606-4026**
Client Sample ID: Trip Blank

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	07/10/2006	0051050-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	07/10/2006	0051050-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

098435

Section A Required Client Information:

Company:
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To:
Copy To:
Purchase Order No.:
Project Name:
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY):

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August 7, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on July 28, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-4555 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715

Pace Sample Identification	Client Sample Identification
0607-3126	Pre-Carb
0607-3127	Primary Effluent
0607-3128	Post-Carb
0607-3132	Trip Blank

General Comments: Cooler temperature 7 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

REPORT OF LABORATORY ANALYSIS

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4555**
Lab Sample ID: **0607-3126**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 07/27/2006
Date Received: 07/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Benzene	8260B(1)	8.3	1.0	ug/l	MAK	08/02/2006	0051729-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1-Dichloroethene	8260B(1)	18	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	3800	50	ug/l	MAK	08/02/2006	0051729-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	35	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0

(Continued)

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Lab Sample ID: **0607-3126**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Trichloroethene	8260B[1]	930	50	ug/l	MAK	08/02/2006	0051729-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Vinyl chloride	8260B[1]	490	100	ug/l	MAK	08/02/2006	0051729-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4555**
Lab Sample ID: **0607-3127**
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 07/27/2006
Date Received: 07/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	08/02/2006	0051729-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	47	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Phone: 724.733.1161
Fax: 724.327.7793

Lab Sample ID: **0607-3127**
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Vinyl chloride	8260B[1]	5.6	2.0	ug/l	MAK	08/02/2006	0051729-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Fax: 724.327.7793

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4555**
Lab Sample ID: **0607-3128**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 07/27/2006
Date Received: 07/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	08/02/2006	0051729-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	11	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0607-3128**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Vinyl chloride	8260B[1]	3.0	2.0	ug/l	MAK	08/02/2006	0051729-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0607-3128 was composited from 4 samples prior to analysis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-4555**
Lab Sample ID: **0607-3132**
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 07/27/2006
Date Received: 07/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	08/02/2006	0051729-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	15	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	08/02/2006	0051729-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/02/2006	0051729-1	<5.0

(Continued)

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32

Lab Sample ID: 0607-31[1k]
Client Sample ID: Trip Bla[nk]

Volatiles (Cont.)

							51729-1	<5.0
Styrene	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005 51729-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005 51729-1	<5.0
Tetrachloroethene	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005 51729-1	<5.0
Toluene	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005 51729-1	<5.0
1,1,1-Trichloroethane	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005 51729-1	<5.0
1,1,2-Trichloroethane	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005 51729-1	<5.0
Trichloroethene	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005 51729-1	<5.0
Trichlorofluoromethane	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005 51729-1	<2.0
Vinyl chloride	8260B[(1)]	<2.0	2.0	ug/l	MAK	08/02/2006	005 51729-1	<5.0
m,p-Xylene	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005 51729-1	<5.0
o-Xylene	8260B[(1)]	<5.0	5.0	ug/l	MAK	08/02/2006	005	

of Solid Waste and

[(1)] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A
Required Client Information:

Company

Address

Email To:

Phone | Fax

Requested Due Date/TAT:

Section B
Required Project Information.

Report To:

Copy To:

Purchase Order No.:

Project Name:

Project Number:

Section C
Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

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August 29, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on August 23, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-5094 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715

Pace Sample Identification	Client Sample Identification
0608-2706	Pre-Carb
0608-2707	Primary Effluent
0608-2708	Post-Carb
0608-2709	Trip Blank

General Comments: Cooler temperature 6 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

Page 1 of 10

REPORT OF LABORATORY ANALYSIS

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-5094**
Lab Sample ID: **0608-2706**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 08/22/2006
Date Received: 08/23/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Benzene	8260B(1)	8.3	1.0	ug/l	MAK	08/25/2006	0052391-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1-Dichloroethene	8260B(1)	19	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	4100	50	ug/l	MAK	08/25/2006	0052391-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0

(Continued)

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Fax: 724.327.7793

Lab Sample ID: **0608-2706**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Trichloroethene	8260B[1]	1200	50	ug/l	MAK	08/25/2006	0052391-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Vinyl chloride	8260B[1]	690	100	ug/l	MAK	08/25/2006	0052391-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-5094**
Lab Sample ID: **0608-2707**
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 08/22/2006
Date Received: 08/23/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	08/25/2006	0052391-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	40	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0

(Continued)

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Lab Sample ID: **0608-2707**
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Vinyl chloride	8260B[1]	8.1	2.0	ug/l	MAK	08/25/2006	0052391-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
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Construction Services Division
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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-5094**
Lab Sample ID: **0608-2708**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 08/22/2006
Date Received: 08/23/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	08/25/2006	0052391-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	8.1	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0

(Continued)

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Lab Sample ID: **0608-2708**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	08/25/2006	0052391-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0608-2708 was composited from 4 samples prior to analysis.

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Mr. Mark Dowiak
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Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-5094**
Lab Sample ID: **0608-2709**
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 08/22/2006
Date Received: 08/23/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	08/25/2006	0052391-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	08/25/2006	0052391-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0

(Continued)

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Lab Sample ID: **0608-2709**
Client Sample ID: Trip Blank

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	08/25/2006	0052391-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	08/25/2006	0052391-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A
Required Client Information:

Company:
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B
Required Project Information:

Report To:
Copy To:
Purchase Order No.:
Project Name:
Project Number:

Section C
Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D **Required** Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives: NaOH	Preservatives: $Na_2S_2O_3$	Preservatives: Methanol	Preservatives: Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

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October 4, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on September 21, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-5900 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715

Pace Sample Identification	Client Sample Identification
0609-2680	Pre-Carb
0609-2681	Primary Effluent
0609-2682	Post-Carb
0609-2683	Trip Blank

General Comments: Cooler temperature 3 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

REPORT OF LABORATORY ANALYSIS

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Fax: 724.327.7793

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-5900**
Lab Sample ID: **0609-2680**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 09/20/2006
Date Received: 09/21/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Benzene	8260B(1)	7.3	1.0	ug/l	MAK	10/03/2006	0053480-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1-Dichloroethene	8260B(1)	16	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	4200	50	ug/l	MAK	10/03/2006	0053480-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	20	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0609-2680**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Trichloroethene	8260B[1]	1300	50	ug/l	MAK	10/03/2006	0053480-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Vinyl chloride	8260B[1]	530	100	ug/l	MAK	10/03/2006	0053480-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-5900**
Lab Sample ID: **0609-2681**
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 09/20/2006
Date Received: 09/21/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	10/03/2006	0053480-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	45	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0609-2681**
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Vinyl chloride	8260B[1]	57	2.0	ug/l	MAK	10/03/2006	0053480-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
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Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-5900**
Lab Sample ID: **0609-2682**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 09/20/2006
Date Received: 09/21/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	10/03/2006	0053480-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	7.7	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0

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Lab Sample ID: **0609-2682**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	10/03/2006	0053480-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0609-2682 was composited from 4 samples prior to analysis.

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Mr. Mark Dowiak
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Construction Services Division
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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-5900**
Lab Sample ID: **0609-2683**
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 09/20/2006
Date Received: 09/21/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	10/03/2006	0053480-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	10/03/2006	0053480-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0609-2683**
Client Sample ID: Trip Blank

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	10/03/2006	0053480-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	10/03/2006	0053480-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
	Report To:	Attention:
	Copy To:	Company Name:
		Address:
	Purchase Order No.:	Pace Quote Reference:
Fax	Project Name:	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives: NaOH	Preservatives: $Na_2S_2O_3$	Preservatives: Methanol	Preservatives: Other	Filtered (Y/N) / Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

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November 9, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on October 27, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-6744 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715

Pace Sample Identification	Client Sample Identification
0610-3454	Pre-Carb
0610-3455	Primary-Eff
0610-3456	Post-Carb
0610-3457	TB-01

General Comments: Cooler temperature 5 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

REPORT OF LABORATORY ANALYSIS

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-6744**
Lab Sample ID: **0610-3454**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 10/26/2006
Date Received: 10/27/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	21	10	ug/l	MAK	11/05/2006	0054470-1	<10
Benzene	8260B(1)	7.0	1.0	ug/l	MAK	11/05/2006	0054470-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1-Dichloroethene	8260B(1)	15	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	3300	50	ug/l	MAK	11/05/2006	0054470-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	26	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0

(Continued)

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Lab Sample ID: **0610-3454**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Toluene	8260B[1]	21	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Trichloroethene	8260B[1]	1400	50	ug/l	MAK	11/05/2006	0054470-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Vinyl chloride	8260B[1]	620	100	ug/l	MAK	11/05/2006	0054470-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-6744**
Lab Sample ID: **0610-3455**
Client Sample ID: Primary-Eff
Sample Matrix: Aqueous

Date Sampled: 10/26/2006
Date Received: 10/27/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/05/2006	0054470-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	33	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0

(Continued)

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Lab Sample ID: **0610-3455**
Client Sample ID: Primary-Eff

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Vinyl chloride	8260B[1]	690	10	ug/l	MAK	11/07/2006	0054493-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-6744**
Lab Sample ID: **0610-3456**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 10/26/2006
Date Received: 10/27/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/05/2006	0054470-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0610-3456**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/05/2006	0054470-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0610-3456 was composited from 4 samples prior to analysis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715

Lab Project ID: **06-6744**
Lab Sample ID: **0610-3457**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 10/26/2006
Date Received: 10/27/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	11/05/2006	0054470-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	11/05/2006	0054470-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0

(Continued)

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Lab Sample ID: **0610-3457**
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	11/05/2006	0054470-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	11/05/2006	0054470-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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CHAIN-OF-CUSTODY / Analytical Request D...

The Chain-of-Custody is a LEGAL DOCUME... All rele... fields ... t be c... eted ...ately.

Page: of

Section A
...ired Client Information:

...pany
...ess
...il To:
...ne | Fax
...uested Due Date/TAT:

Section B
Required Project Information:

Report To:
Copy To:
Purchase Order No.:
Project Name:
Project Number:

Section C
Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER

Section D
Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Section D Required Client Information	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: | DATE Signed (MM / DD / YY):

E REVERSE SIDE FOR INSTRUCTIONS

ALLQ020rev 3,31Mar05

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December 12, 2006

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on November 28, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-7445 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Pace Sample Identification	Client Sample Identification
0611-3847	PRE-CARB
0611-3848	PRIMARY-EFF
0611-3849	POST-CARB
0611-3853	TB-01

General Comments: Cooler temperature 6 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

REPORT OF LABORATORY ANALYSIS

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-7445**
Lab Sample ID: **0611-3847**
Client Sample ID: PRE-CARB
Sample Matrix: Aqueous

Date Sampled: 11/27/2006
Date Received: 11/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Benzene	8260B(1)	7.7	1.0	ug/l	MAK	12/06/2006	0055544-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1-Dichloroethene	8260B(1)	15	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	3800	50	ug/l	MAK	12/06/2006	0055544-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	18	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0

(Continued)

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Lab Sample ID: **0611-3847**
Client Sample ID: PRE-CARB

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Trichloroethene	8260B[1]	1500	50	ug/l	MAK	12/06/2006	0055544-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Vinyl chloride	8260B[1]	530	100	ug/l	MAK	12/06/2006	0055544-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-7445**
Lab Sample ID: **0611-3848**
Client Sample ID: PRIMARY-EFF
Sample Matrix: Aqueous

Date Sampled: 11/27/2006
Date Received: 11/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	12/06/2006	0055544-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	1100	50	ug/l	MAK	12/06/2006	0055544-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0611-3848**
Client Sample ID: PRIMARY-EFF

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Trichloroethene	8260B[1]	24	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Vinyl chloride	8260B[1]	560	100	ug/l	MAK	12/06/2006	0055544-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-7445**
Lab Sample ID: **0611-3849**
Client Sample ID: POST-CARB
Sample Matrix: Aqueous

Date Sampled: 11/27/2006
Date Received: 11/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	12/06/2006	0055544-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	5.7	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0

(Continued)

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Lab Sample ID: **0611-3849**
Client Sample ID: POST-CARB

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Vinyl chloride	8260B[1]	4.1	2.0	ug/l	MAK	12/06/2006	0055544-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0611-3849 was composited from 4 samples prior to analysis.

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-7445**
Lab Sample ID: **0611-3853**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 11/27/2006
Date Received: 11/28/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	12/06/2006	0055544-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	12/06/2006	0055544-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0

(Continued)

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Lab Sample ID: **0611-3853**
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	12/06/2006	0055544-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	12/06/2006	0055544-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

Section A
Required Client Information:

Company	
Address	
Email To:	
Phone	Fax
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:
Copy To:
Purchase Order No..
Project Name:
Project Number:

Section C
Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D
Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / .-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: | DATE Signed (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

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January 5, 2007

Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Dear Mr. Dowiak:

Enclosed are analytical results for samples submitted to Pace Analytical by URS Corporation. The samples were received on December 21, 2006. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 06-8131 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Pace Sample Identification	Client Sample Identification
0612-3756	Pre-Carb
0612-3757	Primary-Eff
0612-3758	Post-Carb
0612-3759	TB-01

General Comments: Cooler temperature 4 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Raelyn E. Sylvester

Raelyn E. Sylvester
Project Manager

REC: jld

Enclosures

REPORT OF LABORATORY ANALYSIS

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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8131**
Lab Sample ID: **0612-3756**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 12/20/2006
Date Received: 12/21/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Benzene	8260B(1)	7.4	1.0	ug/l	MAK	01/03/2007	0056430-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1-Dichloroethene	8260B(1)	19	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	4300	50	ug/l	MAK	01/03/2007	0056430-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	24	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0

(Continued)

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Lab Sample ID: **0612-3756**
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Trichloroethene	8260B[1]	1400	50	ug/l	MAK	01/03/2007	0056430-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Vinyl chloride	8260B[1]	530	100	ug/l	MAK	01/03/2007	0056430-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Mark Dowiak
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501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8131**
Lab Sample ID: **0612-3757**
Client Sample ID: Primary-Eff
Sample Matrix: Aqueous

Date Sampled: 12/20/2006
Date Received: 12/21/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	01/03/2007	0056430-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1-Dichloroethene	8260B(1)	8.5	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	2500	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	5.4	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0

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Lab Sample ID: **0612-3757**
Client Sample ID: Primary-Eff

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,1-Tnchloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Trichloroethene	8260B[1]	84	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Vinyl chloride	8260B[1]	780	2.0	ug/l	MAK	01/03/2007	0056430-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8131**
Lab Sample ID: **0612-3758**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 12/20/2006
Date Received: 12/21/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	01/03/2007	0056430-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	5.4	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0

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Lab Sample ID: **0612-3758**
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Vinyl chloride	8260B[1]	99	2.0	ug/l	MAK	01/03/2007	0056430-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. Sample 0612-3758 was composited from 4 samples prior to analysis

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Client Site: Essex-Hope
Client Ref.: 41567715.10000

Lab Project ID: **06-8131**
Lab Sample ID: **0612-3759**
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 12/20/2006
Date Received: 12/21/2006

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	MAK	01/03/2007	0056430-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	01/03/2007	0056430-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0

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Lab Sample ID: **0612-3759**
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
Vinyl chloride	8260B[1]	<2.0	2.0	ug/l	MAK	01/03/2007	0056430-1	<2.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	01/03/2007	0056430-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of 1

1031712

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company	Report To:	Attention:
Address	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone / Fax	Project Name:	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER NY

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: VOCs 8260	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1		WT	G			10/20/09	1420		3				X						X		
2							1425		3				X						X		
3							1425		3				X						X		
4							1510		3				X						X		
5							1530		3				X						X		
6							1600		3				X						X		
7	TB		OL				—		2				X						X		
8																					
9																					
10																					
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	10/20/09	1800		10/20/09	1800

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

URS

APPENDIX B-4

2006 AIR STREAM SAMPLE DATA

microseeps
from insight comes solutions

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Page: Page 1 of 5
Lab Proj #: P0603499
Report Date: 04/04/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Laboratory Results

Total pages in data package: 6

Lab Sample #	Client Sample ID
P0603499-01	NPL PRE-CARB
P0603499-02	NPL POST-CARB
P0603499-03	AST/UST PRE-CARB
P0603499-04	AST/UST POST-CARB

Microseeps test results meet all the requirements of the NELAC standards.

Approved By: Char Washlaski

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative:

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0603499
Report Date: 04/04/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
NPL PRE-CARB	Vapor	P0603499-01	29 Mar. 06 10:10	30 Mar. 06 11:01

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
Ri Analysis						
,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1,2,2-Tetrachloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
,1,2-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
,1-Dichloroethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
,2-Dichloroethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,2-Dichloropropane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Benzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
romoform	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
romomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw
Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
hlorodibromomethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chloroform	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chloromethane	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw
s-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
is-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
& p-Xylene	<0.2000	0.2000	PPMV	AM4.02	3/31/06	rw
lethylene Chloride	<2.0000	2.0000	PPMV	AM4.02	3/31/06	rw
o-Xylene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Tetrachloroethene	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
oluene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
rans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
trans-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
richloroethene	0.0369	0.0050	PPMV	AM4.02	3/31/06	rw
richlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw

N - NELAC certified analysis

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0603499
Report Date: 04/04/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
NPL POST-CARB	Vapor	P0603499-02	29 Mar. 06 10:15	30 Mar. 06 11:01

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RAnalysis						
1,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1,2,2-Tetrachloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1,2-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1-Dichloroethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
1,2-Dichloroethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,2-Dichloropropane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
1,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Benzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Bromoform	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Bromomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw
Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Chlorodibromomethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chloroform	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chloromethane	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw
cis-1,2-Dichloroethene	0.5722	0.0100	PPMV	AM4.02	3/31/06	rw
cis-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
m & p-Xylene	<0.2000	0.2000	PPMV	AM4.02	3/31/06	rw
Methylene Chloride	<2.0000	2.0000	PPMV	AM4.02	3/31/06	rw
o-Xylene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Tetrachloroethene	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Toluene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
trans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
trans-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Trichloroethene	0.0319	0.0050	PPMV	AM4.02	3/31/06	rw
Trichlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0603499
Report Date: 04/04/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
AST/UST PRE-CARB	Vapor	P0603499-03	29 Mar. 06 11:15	30 Mar. 06 11:01

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RunAnalysis						
1,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1,2,2-Tetrachloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1,2-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1-Dichloroethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
1,2-Dichloroethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,2-Dichloropropane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
1,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Benzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Bromoform	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Bromomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw
Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Chlorodibromomethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chloroform	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chloromethane	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw
cis-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
cis-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
m & p-Xylene	<0.2000	0.2000	PPMV	AM4.02	3/31/06	rw
Methylene Chloride	<2.0000	2.0000	PPMV	AM4.02	3/31/06	rw
o-Xylene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Tetrachloroethene	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Toluene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
trans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
trans-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Trichloroethene	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Trichlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0603499
Report Date: 04/04/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
AST/UST POST-CARB	Vapor	P0603499-04	29 Mar. 06 11:20	30 Mar. 06 11:01

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RunAnalysis						
1,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1,2,2-Tetrachloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1,2-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
1,1-Dichloroethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
1,2-Dichloroethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,2-Dichloropropane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
1,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
1,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Benzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Bromoform	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Bromomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw
Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Chlorodibromomethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chloroform	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Chloromethane	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw
cis-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
cis-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
m & p-Xylene	<0.2000	0.2000	PPMV	AM4.02	3/31/06	rw
Methylene Chloride	<2.0000	2.0000	PPMV	AM4.02	3/31/06	rw
o-Xylene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
Tetrachloroethene	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Toluene	<0.1000	0.1000	PPMV	AM4.02	3/31/06	rw
trans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
trans-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	3/31/06	rw
Trichloroethene	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Trichlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	3/31/06	rw
Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	3/31/06	rw

Microseeps Lab. Proj. # _____

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # _____

Phone: (412) 826-5245 Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 Fax No. : (412) 826-3433

Company : _____

Co. Address : _____

Phone # : _____ Fax # : _____

Proj. Manager : _____

Proj. Name/Number : _____

Sampler's signature : _____

Cooler Temp. _____

Results to : _____

Invoice to : _____

Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# bottles	Parameters Requested	Remarks :

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Page: Page 1 of 5
Lab Proj #: P0607009
Report Date: 07/10/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Laboratory Results

Total pages in data package: 5

Lab Sample #	Client Sample ID
P0607009-01	NPL HEADER
P0607009-02	NPL POST CARB
P0607009-03	AST/UST HEADER
P0607009-04	AST/UST POST CARB

Microseeps test results meet all the requirements of the NELAC standards.

Approved By: Charlie Washcaski

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative:

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0607009
Report Date: 07/10/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
NPL HEADER	Vapor	P0607009-01	29 Jun. 06 12:50	03 Jul. 06 9:29

#	alyte(s)	Result	PQL	Units	Method #	Analysis Date	By
	RiskAnalysis						
N	1,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	7/7/06	rw
N	1,1,2,2-Tetrachloroethane	<0.0100	0.0100	PPMV	AM4.02	7/7/06	rw
N	1,1,2-Trichloroethane	<0.0100	0.0100	PPMV	AM4.02	7/7/06	rw
N	1,1-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	7/7/06	rw
N	1,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	7/7/06	rw
N	1,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/7/06	rw
N	1,2-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	7/7/06	rw
N	1,2-Dichloropropane	<0.0200	0.0200	PPMV	AM4.02	7/7/06	rw
N	1,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/7/06	rw
N	1,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/7/06	rw
N	Benzene	<0.1000	0.1000	PPMV	AM4.02	7/7/06	rw
N	Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	7/7/06	rw
N	Bromoform	<0.0100	0.0100	PPMV	AM4.02	7/7/06	rw
N	Bromomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	7/7/06	rw
N	Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	7/7/06	rw
N	Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/7/06	rw
N	Chlorodibromomethane	<0.0100	0.0100	PPMV	AM4.02	7/7/06	rw
N	Chloroform	<0.0050	0.0050	PPMV	AM4.02	7/7/06	rw
N	Chloromethane	<2.0000	2.0000	PPMV	AM4.02	7/7/06	rw
N	cis-1,2-Dichloroethene	0.1593	0.0200	PPMV	AM4.02	7/7/06	rw
N	cis-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	7/7/06	rw
N	Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	7/7/06	rw
N	m & p-Xylene	<0.2000	0.2000	PPMV	AM4.02	7/7/06	rw
N	Methylene Chloride	<2.0000	2.0000	PPMV	AM4.02	7/7/06	rw
N	o-Xylene	<0.1000	0.1000	PPMV	AM4.02	7/7/06	rw
N	Tetrachloroethene	<0.0100	0.0100	PPMV	AM4.02	7/7/06	rw
N	Toluene	<0.1000	0.1000	PPMV	AM4.02	7/7/06	rw
N	trans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	7/7/06	rw
N	trans-1,3-Dichloropropene	<0.0200	0.0200	PPMV	AM4.02	7/7/06	rw
N	Trichloroethene	0.0555	0.0100	PPMV	AM4.02	7/7/06	rw
N	Trichlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	7/7/06	rw
N	Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	7/7/06	rw

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0607009
Report Date: 07/10/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
NPL POST CARB	Vapor	P0607009-02	29 Jun. 06 12:55	03 Jul. 06 9:29

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N 1,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
N 1,1,2,2-Tetrachloroethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N 1,1,2-Trichloroethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N 1,1-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
N 1,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N 1,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N 1,2-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
N 1,2-Dichloropropane	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
N 1,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N 1,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N Benzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Bromoform	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Bromomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	7/8/06	rw
N Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
N Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N Chlorodibromomethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Chloroform	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
N Chloromethane	<2.0000	2.0000	PPMV	AM4.02	7/8/06	rw
N cis-1,2-Dichloroethene	0.0854	0.0200	PPMV	AM4.02	7/8/06	rw
N cis-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N m & p-Xylene	<0.2000	0.2000	PPMV	AM4.02	7/8/06	rw
N Methylene Chloride	<2.0000	2.0000	PPMV	AM4.02	7/8/06	rw
N o-Xylene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N Tetrachloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Toluene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N trans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N trans-1,3-Dichloropropene	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
N Trichloroethene	0.0594	0.0100	PPMV	AM4.02	7/8/06	rw
N Trichlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
N Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	7/8/06	rw

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0607009
Report Date: 07/10/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
AST/UST HEADER	Vapor	P0607009-03	29 Jun. 06 13:25	03 Jul. 06 9:29

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N 1,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
N 1,1,2,2-Tetrachloroethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N 1,1,2-Trichloroethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N 1,1-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
N 1,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N 1,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N 1,2-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
N 1,2-Dichloropropane	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
N 1,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N 1,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N Benzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Bromoform	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Bromomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	7/8/06	rw
N Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
N Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N Chlorodibromomethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Chloroform	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
N Chloromethane	<2.0000	2.0000	PPMV	AM4.02	7/8/06	rw
N cis-1,2-Dichloroethene	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
N cis-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N m & p-Xylene	<0.2000	0.2000	PPMV	AM4.02	7/8/06	rw
N Methylene Chloride	<2.0000	2.0000	PPMV	AM4.02	7/8/06	rw
N o-Xylene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N Tetrachloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N Toluene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
N trans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
N trans-1,3-Dichloropropene	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
N Trichloroethene	0.0138	0.0100	PPMV	AM4.02	7/8/06	rw
N Trichlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
N Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	7/8/06	rw

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Page: Page 5 of 5
Lab Proj #: P0607009
Report Date: 07/10/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

ample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
ST/UST POST CARB	Vapor	P0607009-04	29 Jun. 06 13:30	03 Jul. 06 9:29

lyte(s)	Result	PQL	Units	Method #	Analysis Date	By
iskAnalysis						
1,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
,1,2,2-Tetrachloroethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
.,1,2-Trichloroethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
1,1-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
1,2-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
,2-Dichloropropane	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
1,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
Benzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
Bromoform	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
Bromomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	7/8/06	rw
Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
Chlorodibromomethane	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
Chloroform	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
Chloromethane	<2.0000	2.0000	PPMV	AM4.02	7/8/06	rw
cis-1,2-Dichloroethene	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
cis-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
n & p-Xylene	<0.2000	0.2000	PPMV	AM4.02	7/8/06	rw
Methylene Chloride	<2.0000	2.0000	PPMV	AM4.02	7/8/06	rw
o-Xylene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
Tetrachloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
Toluene	<0.1000	0.1000	PPMV	AM4.02	7/8/06	rw
trans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
rans-1,3-Dichloropropene	<0.0200	0.0200	PPMV	AM4.02	7/8/06	rw
Trichloroethene	<0.0100	0.0100	PPMV	AM4.02	7/8/06	rw
Trichlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	7/8/06	rw
Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	7/8/06	rw

N - NELAC certified analysis

Microseeps
Lab. Proj. # _____

CHAIN - OF - CUSTODY RECORD

Microseeps
COC cont. # _____

Phone: (412) 826-5245 Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 Fax No. : (412) 826-3433

Company : _____

Co. Address : _____

Phone # : _____ Fax # : _____

Proj. Manager : _____

Proj. Name/Number : _____

Sampler's signature : _____

Cooler Temp. _____

Parameters Requested

Results to : _____

Invoice to : _____

Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# bottles	Remarks :

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0609362
Report Date: 10/04/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Laboratory Results

Total pages in data package: 4

Lab Sample #	Client Sample ID
P0609362-01	NPL PRE-CARB
P0609362-02	NPL POST-CARB

Microseeps test results meet all the requirements of the NELAC standards.

Approved By: Char Washlaski

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative:

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0609362
Report Date: 10/04/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
NPL PRE-CARB	Vapor	P0609362-01	20 Sep. 06 14:40	24 Sep. 06 10:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
Bulk Analysis						
1,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	10/3/06	mm
1,1,2,2-Tetrachloroethane	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
1,1,2-Trichloroethane	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
1,1-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	10/3/06	mm
1,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
1,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
1,2-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	10/3/06	mm
1,2-Dichloropropane	<0.0200	0.0200	PPMV	AM4.02	10/3/06	mm
1,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
1,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
Benzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
Bromoform	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
Bromomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	10/3/06	mm
Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	10/3/06	mm
Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
Chlorodibromomethane	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
Chloroform	<0.0050	0.0050	PPMV	AM4.02	10/3/06	mm
Chloromethane	<2.0000	2.0000	PPMV	AM4.02	10/3/06	mm
cis-1,2-Dichloroethene	<0.0200	0.0200	PPMV	AM4.02	10/3/06	mm
cis-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
m & p-Xylene	<0.2000	0.2000	PPMV	AM4.02	10/3/06	mm
Methylene Chloride	<2.0000	2.0000	PPMV	AM4.02	10/3/06	mm
o-Xylene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
Tetrachloroethene	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
Toluene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
trans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
trans-1,3-Dichloropropene	<0.0200	0.0200	PPMV	AM4.02	10/3/06	mm
Trichloroethene	0.0284	0.0100	PPMV	AM4.02	10/3/06	mm
Trichlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	10/3/06	mm
Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	10/3/06	mm


N - NELAC certified analysis

Client Name: URS
Contact: Mark Dowiak
Address: Foster Plaza 4
501 Holiday Drive
Suite 300
Pittsburgh, PA 15220

Lab Proj #: P0609362
Report Date: 10/04/06
Client Proj Name: Essex Hope
Client Proj #: 41567715

ıple Description	Matrix	Lab Sample #	Sampled Date/Time	Received
PL POST-CARB	Vapor	P0609362-02	20 Sep. 06 14:50	24 Sep. 06 10:41

alyte(s)	Result	PQL	Units	Method #	Analysis Date	By
Analysis						
,1,1-Trichloroethane	<0.0050	0.0050	PPMV	AM4.02	10/3/06	mm
1,1,2,2-Tetrachloroethane	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
,1,2-Trichloroethane	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
,1-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	10/3/06	mm
1,1-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
,2-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
,2-Dichloroethane	<0.0200	0.0200	PPMV	AM4.02	10/3/06	mm
1,2-Dichloropropane	<0.0200	0.0200	PPMV	AM4.02	10/3/06	mm
1,3-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
,4-Dichlorobenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
Benzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
Bromodichloromethane	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
romoform	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
romomethane/Chloroethane	<1.0000	1.0000	PPMV	AM4.02	10/3/06	mm
Carbon Tetrachloride	<0.0050	0.0050	PPMV	AM4.02	10/3/06	mm
Chlorobenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
hlorodibromomethane	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
Chloroform	<0.0050	0.0050	PPMV	AM4.02	10/3/06	mm
Chloromethane	<2.0000	2.0000	PPMV	AM4.02	10/3/06	mm
is-1,2-Dichloroethene	0.0723	0.0200	PPMV	AM4.02	10/3/06	mm
is-1,3-Dichloropropene	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
Ethylbenzene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
& p-Xylene	<0.2000	0.2000	PPMV	AM4.02	10/3/06	mm
lethylene Chloride	<2.0000	2.0000	PPMV	AM4.02	10/3/06	mm
o-Xylene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
Tetrachloroethene	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
oluene	<0.1000	0.1000	PPMV	AM4.02	10/3/06	mm
rans-1,2-Dichloroethene	<0.0100	0.0100	PPMV	AM4.02	10/3/06	mm
trans-1,3-Dichloropropene	<0.0200	0.0200	PPMV	AM4.02	10/3/06	mm
richloroethene	0.1162	0.0100	PPMV	AM4.02	10/3/06	mm
richlorofluoromethane	<0.0050	0.0050	PPMV	AM4.02	10/3/06	mm
Vinyl Chloride	<1.0000	1.0000	PPMV	AM4.02	10/3/06	mm

N - NELAC certified analysis

Microseeps
Lab. Proj. # _____

CHAIN - OF - CUSTODY RECORD

Microseeps
COC cont. # _____

Phone: (412) 826-5245 Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 Fax No. : (412) 826-3433

Company : _____
Co. Address : _____
Phone # : _____ Fax # : _____
Proj. Manager : _____
Proj. Name/Number : _____
Sampler's signature : _____

Cooler Temp.

Parameters Requested

Results to : _____

Invoice to : _____

Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# bottles	Remarks :

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

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