

**2008 Annual
Performance
Monitoring Report
Essex/Hope Site
Jamestown, New York**

March 2009 - Final

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

URS Project No. 41568453



2008 ANNUAL PERFORMANCE MONITORING REPORT

**Essex/Hope Site
Jamestown, New York**

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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 2008. 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 summarizes groundwater quality, and Section 4.0 discusses future plans.

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.

- *Phase I of the Supplemental Remedial Actions* was initiated in November of 2007. These included a new recovery well, RW-6D and monitoring wells, MW-25S and MW-25D to the north of the site along Hopkins Avenue. Residential vapor sampling was also performed at 159 Hopkins Avenue.
- Recovery Well RW-6D installation was completed in the second half of 2008 and placed on-line in September 2008. *Phase II Supplemental Remedial Activities* commenced in November 2008 with the installation of a residential vapor mitigation system at 159 Hopkins Avenue. Additional remedial actions (Phase II) are being planned for 2009 to focus on off-site groundwater VOCs.

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.
- The AST/UST Area system was shut down since August of 2006 and remains offline pending supplemental remedial action in the AST/UST and UST areas and eventual permanent disconnection. The SVE System in the NPL Area was operated on a voluntary basis as an additional safeguard against potential vapor release. However, the system was shut down in November 2007 following review of air stream sample analyses that indicated this area poses no potential hazard associated with vapor release.
- Future system modifications are anticipated as a result of the findings of the 2005-2006 UST Area and Offsite Groundwater Investigations. One recovery well (RW-6D) was installed in November 2007 in the deep groundwater zone VOC plume offsite to the north. RW-6D was placed on-line in September, 2008. 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 2008 calendar year consisted of monthly groundwater pre-treatment system influent and effluent analysis, semi-annual recovery well groundwater analysis, and annual groundwater sampling of the monitoring wells selected as performance monitoring points. No soil sampling was completed during 2008.

2.0 Groundwater Flow Evaluation

This section presents a summary of the 2008 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 February 14, 2008 and February 27, 2008 due to frozen pipe lines.
- Recovery Wells were shut down from March 26, 2008 to March 27, 2008 for carbon bed maintenance.
- Recovery Wells were offline periodically between May 20, 2008 and May 22, 2008 for well development.
- Recovery Wells were shut down on May 27, 2008 for RW-2D acid treatment. RWs remained offline until June 26, 2008 following change out of system carbon.

2.2 Annual Groundwater Extraction

Groundwater pumping volumes are provided in Table 2. In 2008, approximately 1.24 million gallons of groundwater were extracted and treated by the recovery system. Approximately 820,786 gallons of groundwater were extracted from the deep groundwater zone (LFSWBZ) and approximately 422,767 gallons of groundwater were extracted from the shallow water-bearing zone. 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 413,108 gallons of groundwater were extracted

from this zone during 2008. The average steady state groundwater extraction rate from the NPL Area shallow zone by quarter is as follows:

- 1st Quarter: 1.82 gpm
- 2nd Quarter: 1.18 gpm
- 3rd Quarter: 1.71 gpm
- 4th Quarter: 1.04 gpm

In the AST/UST area, approximately 9,659 gallons of groundwater were extracted from Recovery Well RW-3S during 2008. The average steady state groundwater extraction rate from the AST/UST Area shallow zone by quarter is as follows:

- 1st Quarter: 0.040 gpm
- 2nd Quarter: 0.003 gpm
- 3rd Quarter: 0.009 gpm
- 4th Quarter: 0.053 gpm

A total of approximately 820,786 gallons of groundwater were extracted from the deep zone from RW-2D and RW-6D during 2008. The average steady state groundwater extraction rate from deep zone by quarter is as follows:

- 1st Quarter: 2.53 gpm
- 2nd Quarter: 1.89 gpm
- 3rd Quarter: 2.06 gpm
- 4th Quarter: 2.43 gpm

2.3 Groundwater Flow Conditions

Groundwater flow conditions in the shallow and deep water-bearing zones at the site for 2008 were a typical reflection of normal site operations. The natural (non-pumping) shallow groundwater flow direction is toward the northeast in the NPL and AST/UST Areas. Groundwater flow conditions were uniform within the NPL Area during 2008 under pumping conditions. The natural groundwater flow direction of the deep zone under non-pumping conditions is toward the northeast across the site. 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 remained consistent with conditions experienced during previous years.

3.0 Water Quality Results and Summary

Groundwater sampling during 2008 represented the 11th full year of operation of the remedial systems. Groundwater sampling for 2008 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 October 2008)
- 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 2008 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 2008. 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)/Northeast Site Area

Both the shallow water-bearing zone and the deeper lower fine sand water-bearing zone are monitored in this area. The shallow monitoring system for area consists of Recovery Wells RW-1S and RW-2S, as well as monitoring wells MW-6, MW-7S, MW-14S, MW-15S, and MW-25S. There were a combined total of approximately 3,210 µg/L VOCs detected at these locations in 2008. RW-1S and RW-2S removed 0.56 lbs of VOCs from this zone in Year 2008.

The deep water-bearing zone monitoring network consists of Recovery Wells RW-2D and RW-6D, and Monitoring Wells MW-7D, MW-8, MW-14D, MW-15D, MW-19D, MW-21D, MW-22D, MW-25D, and VP-6D. While RW-6D was placed on-line in September 2008, the well was shut-down at the time of sampling due to a frozen line; therefore sampling of this well was not conducted. Combined total VOCs concentrations detected in the deep zone recovery wells were nearly 800,000 µg/L for 2008. Recovery well RW-2D demonstrated continued efficiency by removing nearly 54 lbs of VOCs from the deep groundwater zone.

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 250 µg/L VOCs. There were 6 µg/L VOCs detected in MW-2.

3.3 UST Area

This area is currently monitored by MW-20. Total VOCs detected in MW-20 were 64 µg/L. 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 2008 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 Future Plans

Operation, maintenance and monitoring of the remedial systems will continue in Year 2009. Phase II of the Supplemental Remedial Actions will continue with concentration on the off-site groundwater plumes. This phase will include the exploration of alternative methods to accelerate site cleanup.

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

**2008 Groundwater Extraction Summary
Essex/Hope Site
Jamestown, NY**

Period	Recovery Well				
	RW-1S Gallons Pumped	RW-2S Gallons Pumped	RW-3S Gallons Pumped	RW-2D Gallons Pumped	RW-6D Gallons Pumped
1st Quarter	12,948	106,360	1,728	169,359	0
2nd Quarter	6,687	82,490	829	149,698	0
3rd Quarter	5,977	93,166	1,056	199,777	8,011
4th Quarter	28,132	77,348	6,046	237,252	56,689
Total	53,744	359,364	9,659	756,086	64,700

Period	Site Area		
	NPLS Shallow Area Gallons Pumped	AST Area Gallons Pumped	Lower Fine Sand Water Bearing Zone Gallons Pumped
1st Quarter	119,308	1,728	169,359
2nd Quarter	89,177	829	149,698
3rd Quarter	99,143	1,056	207,788
4th Quarter	105,480	6,046	293,941
Total	413,108	9,659	820,786

Period	Total Estimated Gallons Pumped - All Areas
1st Quarter	290,395
2nd Quarter	239,704
3rd Quarter	307,987
4th Quarter	405,467
Total	1,243,553

Table 3**2008 Semi-Annual Recovery Well Analytical Results (µg/L)****Essex/Hope Site****Jamestown, NY****June 27, 2008**

Volatile Organic Compounds	Site GW RAOs	RW-1S	RW-1D	RW-2S	RW-2D	RW-3S
Acetone		ND	ND	ND	ND	ND
Benzene		ND	ND	ND	8.2	49
Carbon Disulfide		ND	ND	ND	62	11
Isopropylbenzene (Cumene)		ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	31	ND
cis-1,2-Dichloroethene		90	33	5.9	6,300	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	64	ND
Ethylbenzene	5	ND	ND	ND	ND	12
Toluene	5	ND	ND	ND	ND	ND
Trichloroethene	5	250	ND	7.4	1,200	ND
Vinyl Chloride	5	7.9	16	ND	810	ND
Xylenes (total)	5	ND	15.8	18	ND	11.3

December 23, 2008

Volatile Organic Compounds	Site GW RAOs	RW-1S	RW-1D	RW-2S	RW-2D	RW-3S
Acetone		ND	NA	ND	ND	ND
Benzene		ND	NA	ND	7.9	13.6
Carbon Disulfide		ND	NA	ND	ND	ND
Isopropylbenzene (Cumene)		ND	NA	ND	ND	ND
1,1-Dichloroethene		ND	NA	ND	23.7	ND
cis-1,2-Dichloroethene		162	NA	8.2	3,980	ND
trans-1,2-Dichloroethene	5	ND	NA	ND	39.4	ND
Ethylbenzene	5	ND	NA	ND	ND	ND
Toluene	5	ND	NA	ND	ND	ND
Trichloroethene	5	172	NA	6.0	1,420	ND
Vinyl Chloride	5	29.2	NA	ND	766	ND
Xylenes (total)	5	ND	NA	ND	ND	ND

Notes:

Site GW RAOs = Site Groundwater Remedial Action Objectives

µg/l = Micrograms per liter

NA = Not Analyzed

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		
2007	10,844	83	16,410	250	337		
2008	711	46	14,712	97	65		

Notes:

µg/L = micrograms per liter

VOC = Volatile organic compounds

Table 5

2008 Annual PMP Wells Analytical Results (µg/L)
Essex/Hope Site
Jamestown, NY

Volatile Organic Compounds	MW-2	MW-6	MW-7D	MW-7S	MW-6	MW-14D	MW-14S	MW-15D	MW-15S	MW-19D	MW-20	MW-21D	MW-22D	MW-25D	MW-25S	VP-6D
Acetone	ND	ND	11	14	ND	ND	ND	ND	ND	67,000	ND	14	ND	ND	ND	ND
Benzene	ND	ND	12	ND	ND	ND	1.1	1.5	ND	ND	ND	210	6.7	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	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	25	ND	ND	ND	18	92	ND	ND	ND	26	15	ND	ND	ND
cis-1,2-Dichloroethene	ND	5.6	7,900	ND	66	ND	1,100	12,000	6.8	ND	ND	140,000	2,100	ND	58	ND
trans-1,2-Dichloroethene	ND	ND	38	ND	ND	ND	20	160	ND	ND	ND	21	9.1	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.7	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	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	13	67	8.2	ND	ND	820	7,900	12	ND	ND	530,000	15,000	ND	290	ND
Vinyl Chloride	ND	ND	1,100	ND	13	3.5	86	560	ND	110	ND	190	61	ND	ND	ND
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	ND	ND

ND = Not detected
µg/L = Micrograms per liter

Table 6

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

Monitoring Location	MW-2	MW-6	MW-7D	MW-7S	MW-8	MW-14D	MW-14S	MW-15D	MW-15S
Year	Total VOCs Concentrations (µg/L)								
1995	124,650	90	25	430	NA	14	1,135	61	216
1996	NS	NS	NS	NS	NS	NS	NS	NS	NS
1997	31,958	4,206	1,144	350	146	57	4,800	35	208
1998	267	87	340,061	160	640	0	1,570	39	97
1999	82	16	17,111	11	52	3	267	79	16
2000	190,55	85	426	1,830	63	5	4,423	429	29
2001	34	0	6,146	32.7	165.4	0	211	2,283	0
2002	10.5	0	4,556	18.5	65	0	1,363	4,842	0
2003	8.6	0	3,383	16.5	90	2.2	6,155	10,713	13
2004	8.9	0	8,077	23.2	760.8	0	5,060	12,522	6.9
2005	11	63	9,299	9	80	0	2,014	12,127	5.9
2006	0	0	3,910	16.6	80	2.3	5,691	7,124	9.2
2007	0	46	9,503	0	84	3.3	2,248	22,782	0
2008	6	19	9,153	22	79	4	2,045	20,714	19

Notes:

µg/L = micrograms per liter

NS = Not Sampled

VOCs = Volatile organic compounds

Table 6

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

Monitoring Location	MW-19D	MW-20	MW-21D	MW-22D	MW-25D	MW-25S	VP-6D	PZ-7D	PZ-11D
Year	Total VOCs Concentrations (µg/L)								
1995	412	NS	NS	NS	NS	NS	NS	NS	NS
1996	NS	NS	NS	NS	NS	NS	NS	NS	NS
1997	830	5,594	NS	NS	NS	NS	NS	NS	NS
1998	1,100	33,850	NS	NS	NS	NS	NS	NS	NS
1999	1,505	42,380	NS	NS	NS	NS	NS	NS	NS
2000	1,300	83,713	NS	NS	NS	NS	NS	NS	NS
2001	1,200	40,408	NS	NS	NS	NS	NS	NS	NS
2002	660	21,592	NS	NS	NS	NS	NS	NS	NS
2003	600	44,280	348,541	20,643	NS	NS	NS	NS	NS
2004	760	27,302	191,697	15,299	NS	NS	NS	NS	NS
2005	420	10,222	434,175	18,245	NS	NS	9.3	426	0
2006	13,240	6,182	614,443	34,326	NS	NS	16	373	43
2007	11,176	534	874,476	16,512	NS	NS	58	NS	NS
2008	67,290	64	670,501	17,192	0	348	0	NS	NS

Notes:

µg/L = micrograms per liter

NS = Not Sampled

VOCs = Volatile organic compounds

Table 7
POTW Monthly Monitoring Summary
2008 System Pre-Carbon
Volatile Organic Compounds (µg/L)

Sample Date	16-Jan-08	28-Feb-08	25-Mar-08	17-Apr-08	19-May-08	27-Jun-08	24-Jul-08	20-Aug-08	24-Sep-08	27-Oct-08	25-Nov-08	11-Dec-08
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.9
Benzene	2.1	4.8	4.9	3.2	5.0	3.8	5.3	7.5	7.9	9.9	6.6	9.8
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	11	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	13	11	7.9	17	8.4	17	20	17	15	17.1	11.3
cis-1,2-Dichloroethene	1,300	2,900	2,900	2,200	3,700	1,800	3,800	4,300	4,300	3,600	4,850	3,330
trans-1,2-Dichloroethene	7.6	16	15	7.5	24	13	28	20	44	22	69.4	44
cis-1,3-Dichloropropene	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	420	1,400	1,300	370	990	290	950	1,600	1,400	1,100	1,030	1,700
Vinyl Chloride	200	490	430	350	590	260	450	490	680	410	601	343
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pre-Carbon TOTAL VOCs	1,930	4,824	4,661	2,939	5,326	2,386	5,250	6,438	6,449	5,157	6,574	5,474

Notes:

B = Result qualified as non-detect due to blank contamination.

ND = Not detected/Below minimum laboratory reporting limit

µg/L = micrograms per liter

Pre-Carbon sample results represent system influent.

System Carbon was changed out on June 26, 2008.

Table 8
POTW Monthly Monitoring Summary
2008 System Primary Carbon Effluent
Volatile Organic Compounds (µg/L)

Sample Date	16-Jan-08	28-Feb-08	25-Mar-08	17-Apr-08	19-May-08	27-Jun-08	24-Jul-08	20-Aug-08	24-Sep-08	27-Oct-08	25-Nov-08	11-Dec-08
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	7.7	11	11	11	17	ND	ND	ND	ND	6.1	10.1	7.9
cis-1,2-Dichloroethene	2,600	3,300	3,300	3,400	3,700	61	32	120	1,100	2,100	3,300	3,330
trans-1,2-Dichloroethene	17	10	11	9.3	19	ND	ND	ND	ND	9.2	22.2	25.1
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	44	100	210	49	170	ND	ND	6.6	60	44	52.5	52.6
Vinyl Chloride	140	460	400	330	480	8.0	250	400	760	460	716	385
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Primary-Carbon TOTAL VOCs	2,809	3,881	3,932	3,799	4,386	69	282	527	1,920	2,619	4,101	3,801

Notes:

B = Result qualified as non-detect due to blank contamination.
ND = Not detected/Below minimum laboratory reporting limit
µg/L = micrograms per liter
Primary Carbon sample results represent effluent from the first carbon vessel in the two (2) carbon vessel system.
System Carbon was changed out on June 26, 2008.

Table 9
POTW Monthly Monitoring Summary
2008 System Post Carbon Effluent
Volatile Organic Compounds (µg/L)

Sample Date	16-Jan-08	28-Feb-08	25-Mar-08	17-Apr-08	19-May-08	27-Jun-08	24-Jul-08	20-Aug-08	24-Sep-08	27-Oct-08	25-Nov-08	11-Dec-08
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	170	340	1,000	1,300	3,000	140	61	59	35	31	24	27
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	5.3	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	460	410	490	490	570	17	3.6	39	290	470	620	318
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Post-Carbon TOTAL VOCs	630	750	1,490	1,790	3,575	157	65	98	325	501	644	345

Notes:

B = Result qualified as non-detected due to blank contamination.
ND = Not detected/Below minimum laboratory reporting limit
µg/L = micrograms per liter

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

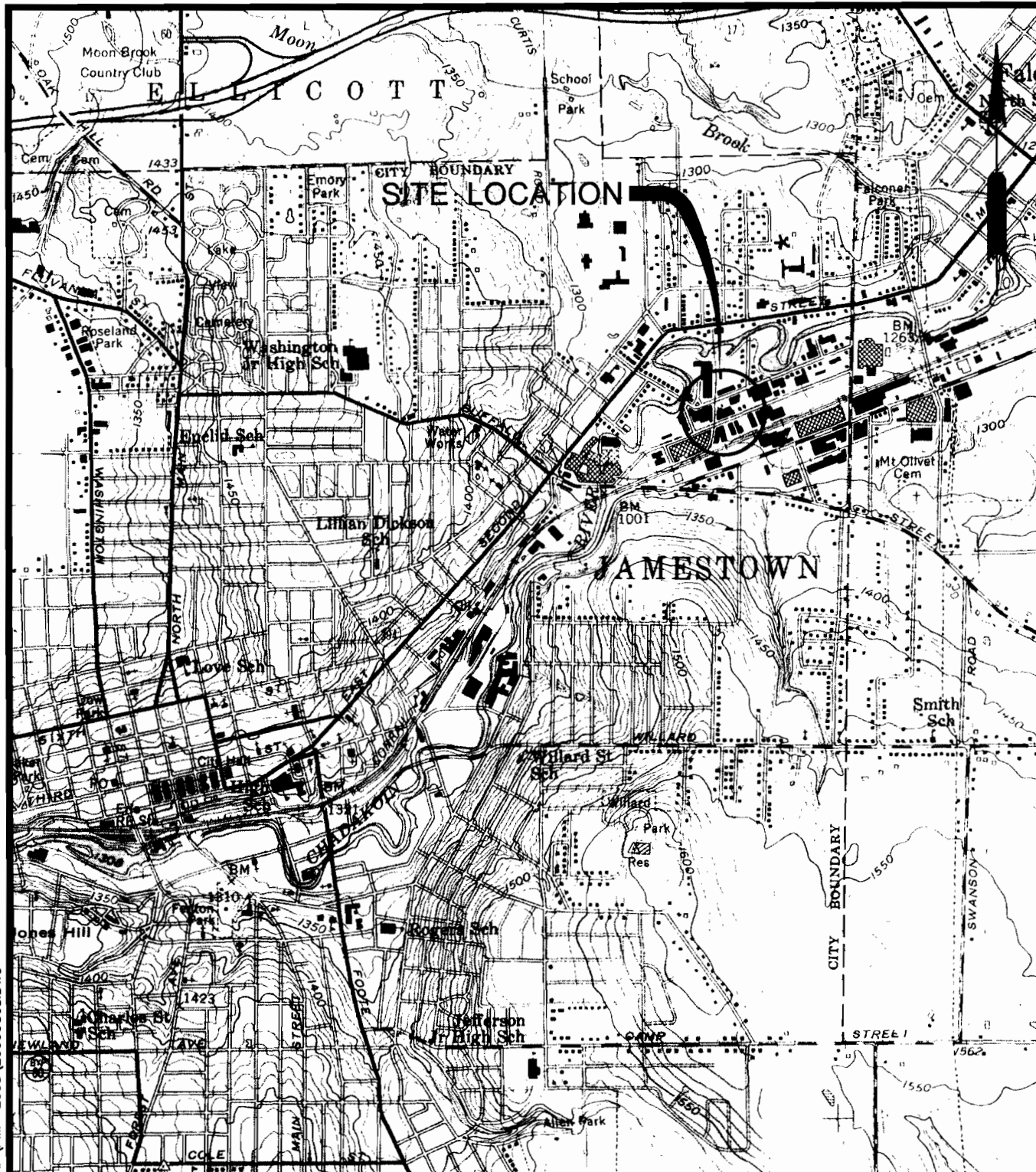
May 2008 Total VOCs discharged exceeded permit limit; System was temporarily shut down and BPU was notified.

Post-Carbon sample results represent system effluent from the secondary carbon vessel (or the third carbon vessel if used) to the POTW.

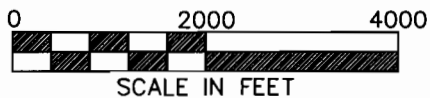
Post-Carbon sample is a laboratory prepared composite of four (4) grab samples taken at 30-minute intervals.

System Carbon was changed out on June 26, 2008.

FIGURES



FILE: \ESSEX\HOP\2006-MAP\PM-2008\2000USGS.DWG



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.

URS

2008 ANNUAL PERFORMANCE MONITORING REPORT SITE LOCATION MAP

ESSEX/HOPE SITE

JAMESTOWN, NY

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

JOB NUMBER: 41568453.20000

SCALE: AS SHOWN

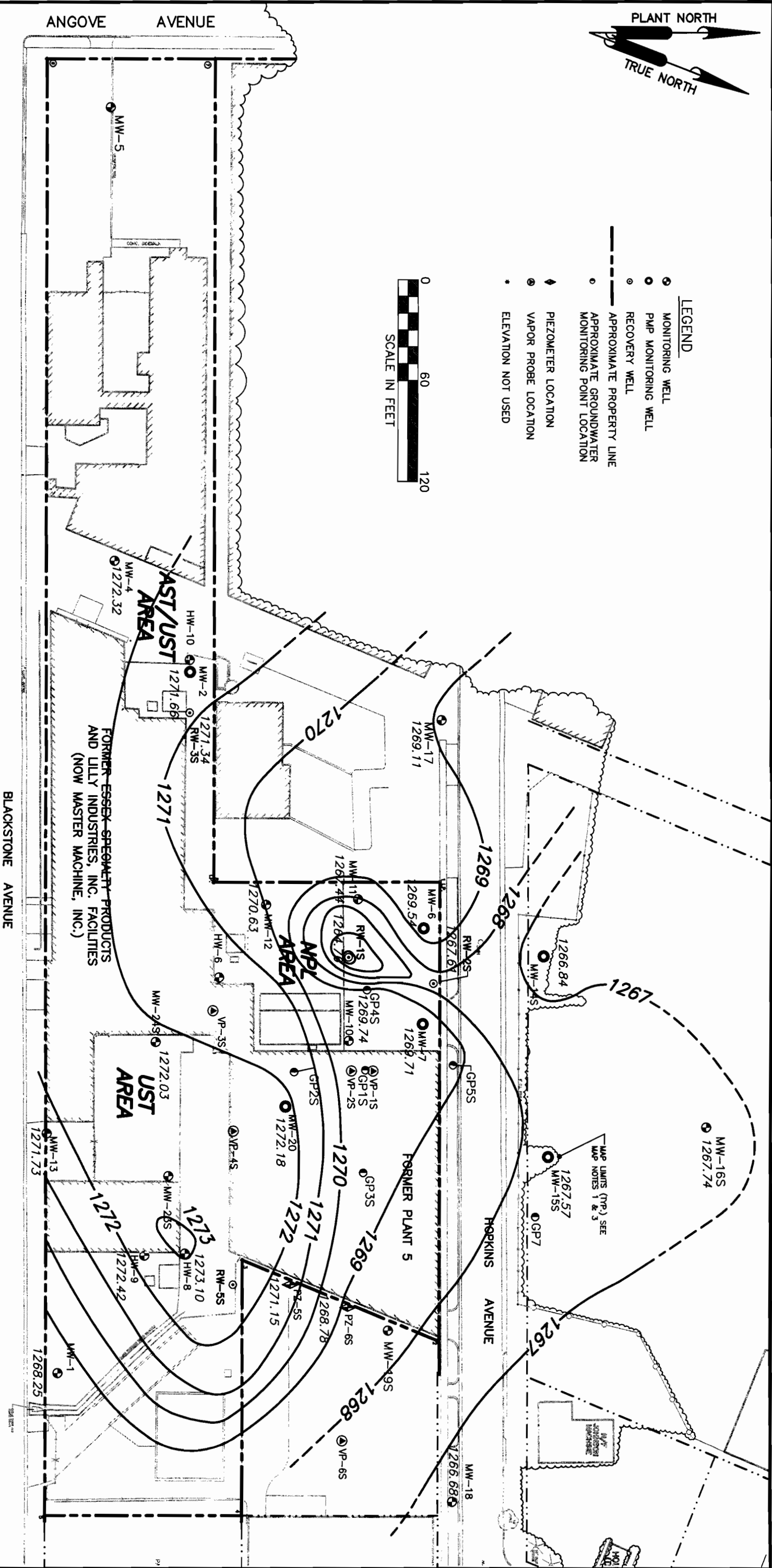
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MAP REFERENCE AND CONTROL NOTES:
1. BASE MAPPING INCLUDING THE LOCATIONS OF SOME OF THE BUILDINGS, ROADS, CURBS/SIDEWALKS, FENCING, PAVED AREAS, ALL UTILITIES (UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE), AND PROPERTY BOUNDARY WAS PROVIDED BY MICHAEL J. RODGERS AND ASSOCIATES, L.P., 150 WEST 10TH STREET, NEW YORK, N.Y. 10011. THE BASE MAP HAS A SERIAL HAND COPY AT A SCALE OF 1"=40' DATED APRIL 15, 1992. 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 LOCATION MAP FOR MONITORING WELL LOCATIONS. MONITORING WELLS IN THE VICINITY OF THE REMEDIAL ACTION CONSTRUCTION WERE SURVEYED AUGUST 1997. THE MICHAEL J. RODGERS SURVEY DONE ON JANUARY 9, 1998, AND THE MONITORING BUILDING CORNERS ARE TAKEN FROM THE 1998 SURVEY. THIS SURVEY WAS DONE 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. PLATUE 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 RAVERSE. 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 SEPA, NYLAR SITE MAP (SEE REFERENCE 1), USGS 7.5 MINUTE TOPOGRAPHIC MAP - JAMESTOWN, NY, CITY OF JAMESTOWN TAX MAP RECORDS, AND URS FIELD RECONNAISSANCE. LOCATIONS AND DIMENSIONS IN THESE AREAS ARE APPROXIMATE.

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PITTSBURGH, PENNSYLVANIA

2008 ANNUAL PERFORMANCE MONITORING REPORT
SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE - MARCH 26, 2008

ESSEX/HOPE SITE

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

JAMESTOWN, NY

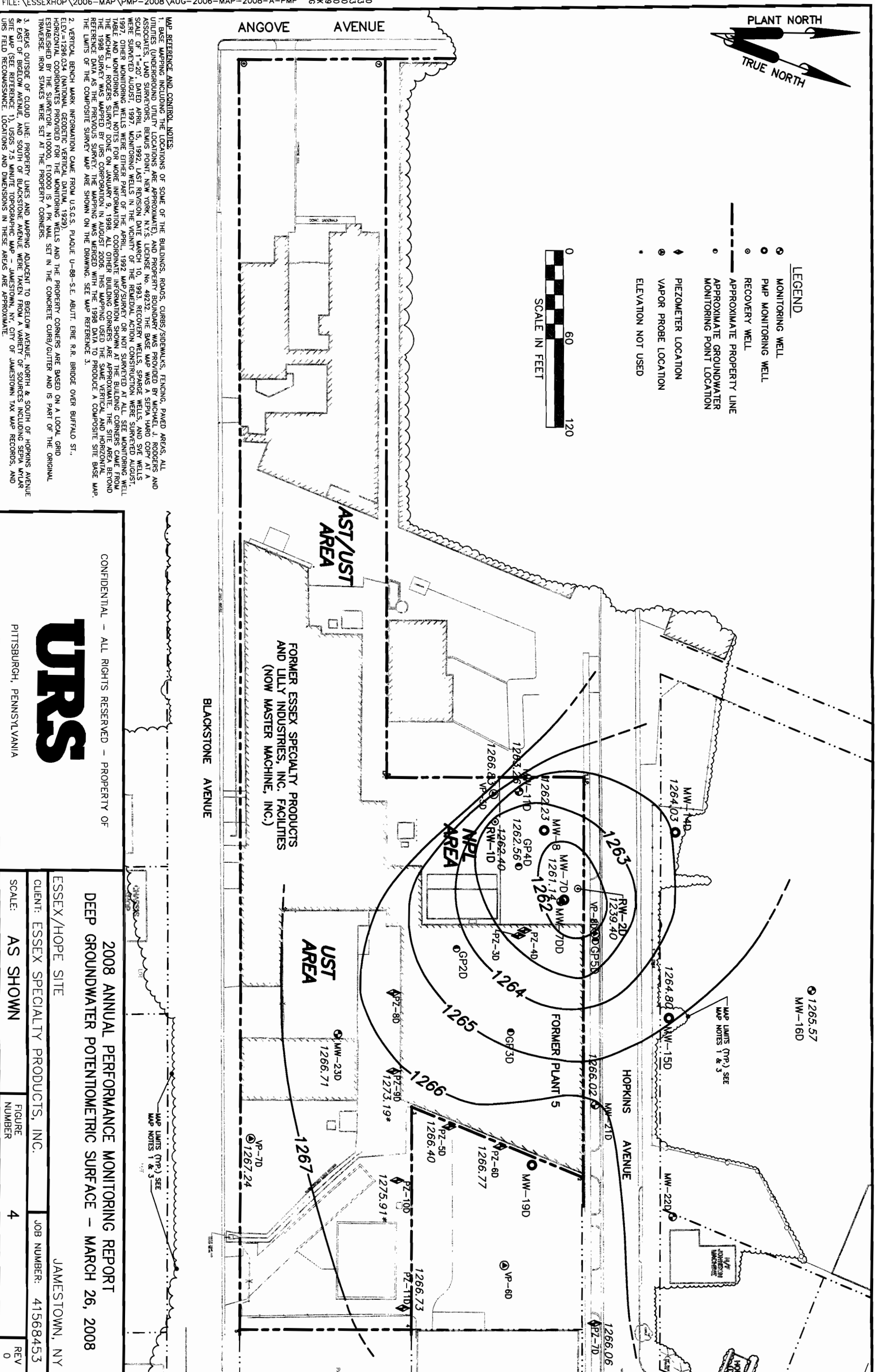
JOB NUMBER: 41568453

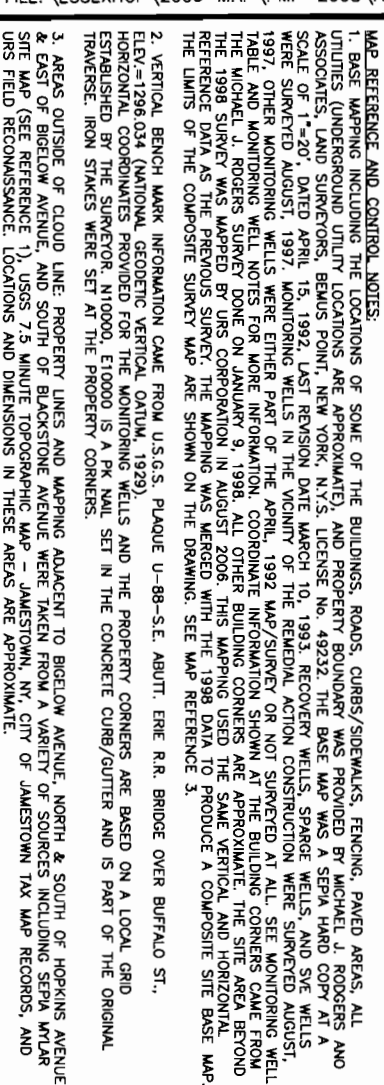
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URS

PITTSBURGH, PENNSYLVANIA

ESSEX/HOPE SITE

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

JAMESTOWN, NY

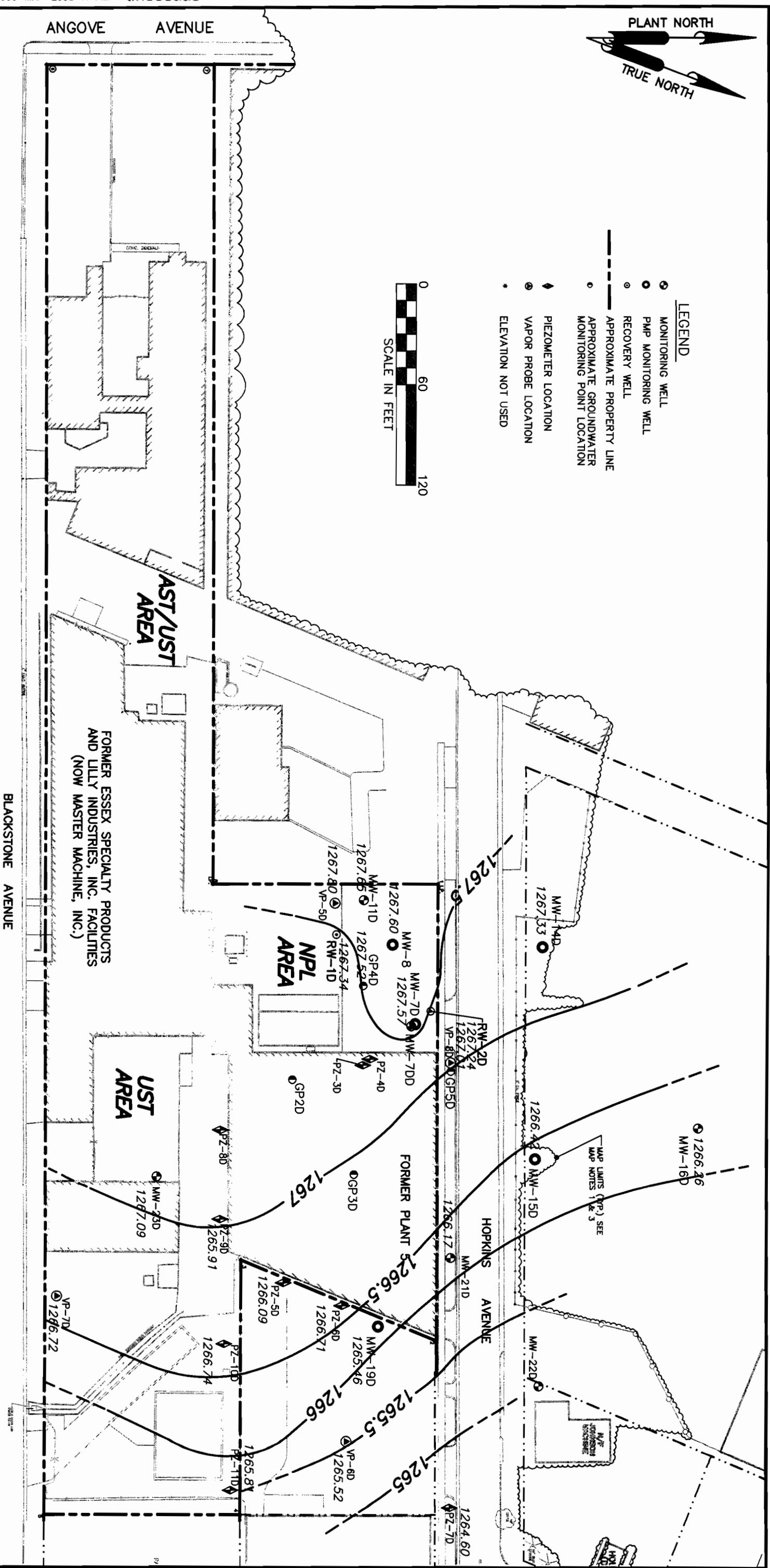
JOB NUMBER: 41568453

SCALE: AS SHOWN

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MAP REFERENCE AND CONTROL NOTES:

1. BASE MAPS AND RECORDS 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. ROGERS AND ASSOCIATES, LAND SURVEYORS, BENJAMIN 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, SPARE 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 1968 SURVEY WAS MAPPED BY DUE CORPORATION IN AUGUST 2006. THIS MAPPING USED THE SAME VERTICAL AND HORIZONTAL REFERENCE DATA AS THE PREVIOUS SURVEY. THE MAPPING WAS MERGED WITH THE 1968 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. PLAUQUE U-88-S.E. ADULT, ERIE R.R. BRIDGE OVER BUFFALO ST., ELEV.=11296.024 (NAD83). 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 TRANSVERSE. 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 SURVEY FIELD RECONNAISSANCE. LOCATIONS AND DIMENSIONS IN THESE AREAS ARE APPROXIMATE.

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2008 ANNUAL PERFORMANCE MONITORING REPORT DEEP GROUNDWATER POTENTIOMETRIC SURFACE – JUNE 25, 2008

ESSEX/HOPE SITE

CLIENT: ESSEX SPECIALTY PRODUCTS, INC

JAMESTOWN, NY

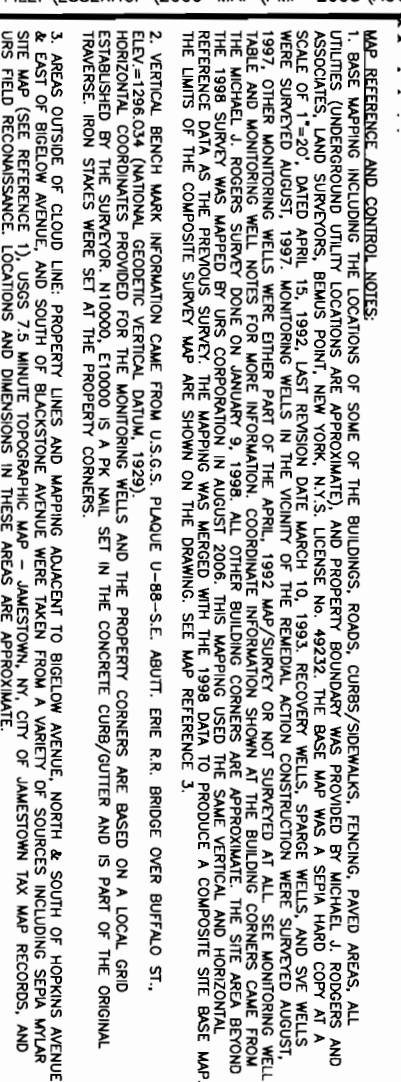
JOB NUMBER: 41568453

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PITTSBURGH, PENNSYLVANIA

ESSEX/HOPE SITE

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

JAMESTOWN, NY

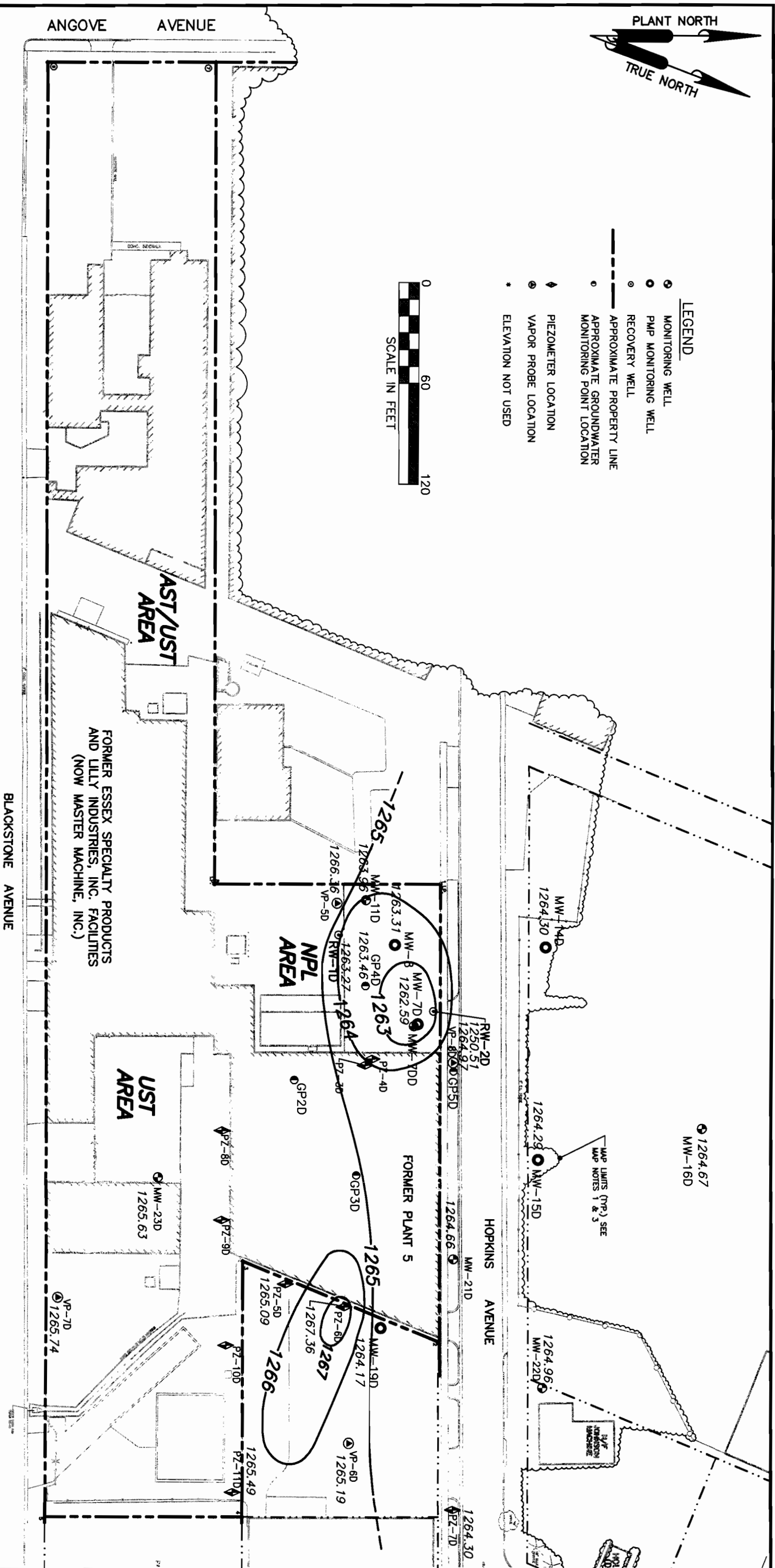
JOB NUMBER: 41568453

SCALE: AS SHOWN

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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. ROGERS AND ASSOCIATES, LAND SURVEYORS, BEAUS POINT, NEW YORK, N.Y., LICENSE NO. 49232. THE BASE MAP WAS A SEPA 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 MAAPPED 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. PLANE U-88-5-E, ABUT. 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 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 MULAR SITE MAP (SEE REFERENCE 1), USGS 7.5 MINUTE TOPOGRAPHIC MAP - JAMESTOWN, NY, CITY OF JAMESTOWN TAX MAP RECORDS, AND AIRS FIELD RECONNAISSANCE. LOCATIONS AND DIMENSIONS IN THESE AREAS ARE APPROXIMATE.

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PITTSBURGH, PENNSYLVANIA

2008 ANNUAL PERFORMANCE MONITORING REPORT
DEEP GROUNDWATER POTENTIOMETRIC SURFACE – SEPTEMBER 23, 2008

ESSEX/HOPE SITE

CLIENT: ESSEX SPECIALTY PRODUCTS, INC.

JAMESTOWN, NY

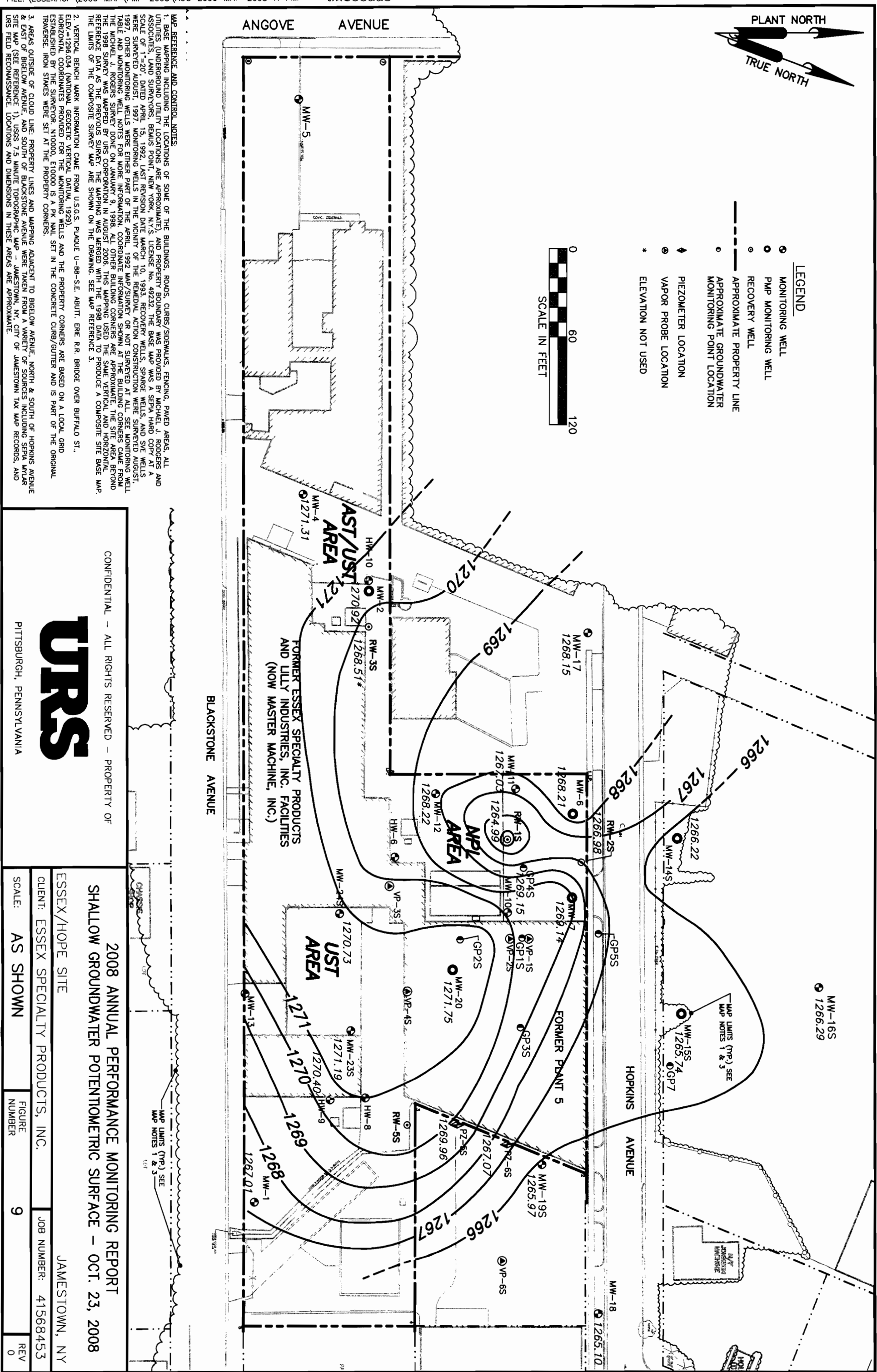
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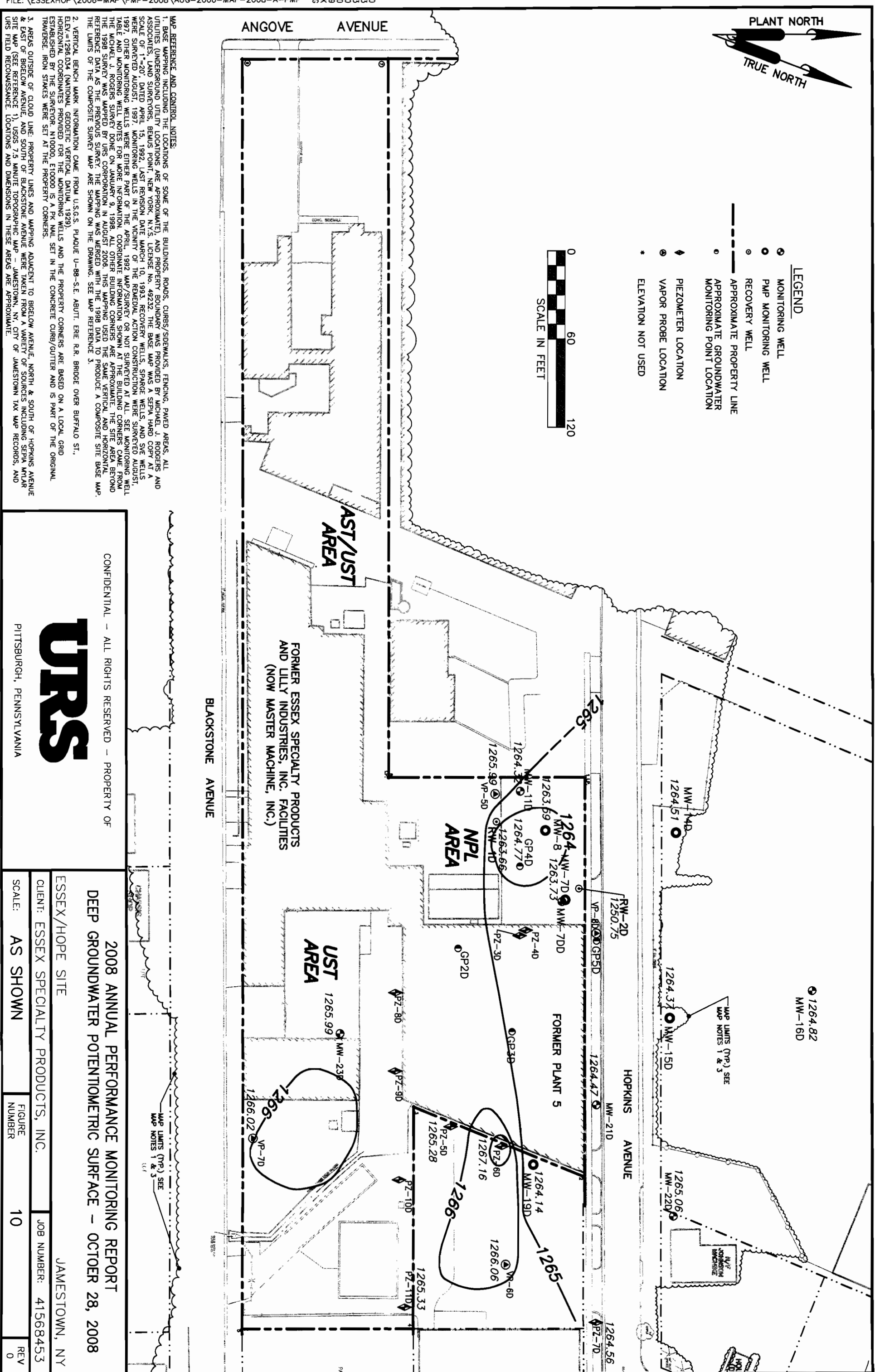
SCALE: AS SHOWN

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APPENDIX A

GROUNDWATER EXTRACTION MONITORING DATA

APPENDIX A-1

WATER LEVEL DATA

APPENDIX A-1

2008 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	March 26, 2008			June 25, 2008		
							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	12.23	NA	1268.25	NM	NA	NA
MW-2	9837.1531	9959.6857	1279.87		16.0	Shallow	8.21	NA	1271.66	9.16	NA	1270.71
MW-4	9792.3277	9900.7631	1281.02	13.0	18.0	Shallow	8.70	NA	1272.32	9.88	NA	1271.14
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	8.44	NA	1269.54	8.51	NA	1269.47
MW-7	9976.6467	10175.6797	1277.73	10.0	20.0	Shallow	8.02	NA	1269.71	8.17	NA	1269.56
MW-7D	9973.2593	10174.8524	1277.8	35.0	45.0	Deep	16.66	NA	1261.14	10.23	NA	1267.57
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	15.74	NA	1262.23	10.37	NA	1267.60
MW-10	9932.4702	10185.7078	1277.94	8.5	18.5	Shallow	NM	NA	NA	NM	NA	NA
MW-11	9937.9912	10101.7016	1277.75	5.0	15.0	Shallow	10.31	NA	1267.44	9.27	NA	1268.48
MW-11D	9942.3792	10101.1482	1277.85	35.0	45.0	Deep	14.59	NA	1263.26	10.20	NA	1267.65
MW-12	9883.0874	10104.9278	1278.18	4.0	14.0	Shallow	7.55	NA	1270.63	8.77	NA	1269.41
MW-13	9752.0619	10240.2934	1278.12	8.0	18.0	Shallow	6.39	NA	1271.73	9.91	NA	1268.21
MW-14S	10048.7753	10135.5198	1280.25	10.0	20.0	Shallow	13.41	NA	1266.84	12.85	NA	1267.40
MW-14D	10049.5051	10129.1897	1280.01	40.0	50.0	Deep	15.98	NA	1264.03	12.68	NA	1267.33
MW-15S	10051.8272	10254.4862	1279.55	10.0	20.0	Shallow	11.98	NA	1267.57	13.62	NA	1265.93
MW-15D	10045.5611	10255.205	1279.46	34.0	44.0	Deep	14.66	NA	1264.80	13.04	NA	1266.42
MW-16S	10146.7788	10236.8582	1279.32	7.0	17.0	Shallow	11.58	NA	1267.74	13.11	NA	1266.21
MW-16D	10143.9497	10236.6005	1279.05	36.0	46.0	Deep	13.48	NA	1265.57	12.79	NA	1266.26
MW-17	9987.6315	9995.5207	1278.7			Deep	9.59	NA	1269.11	10.12	NA	1268.58
MW-18	9994.6655	10459.2207	1275.49		20.0	Shallow	8.81	NA	1266.68	10.34	NA	1265.15
MW-19S	9956.1454	10358.207	1276.82	9.0	19.0	Shallow	NM	NA	NA	10.86	NA	1265.96
MW-19D	9951.569	10355.9748	1276.21	34.0	44.0	Deep	NM	NA	NA	10.75	NA	1265.46
MW-20	9894.7336	10224.5128	1278.56	6.5	11.5	Shallow	6.38	NA	1272.18	NM	NA	NA
MW-21D	9995.0094	10314.801	1276.12	31.5	41.0	Deep	10.10	NA	1266.02	9.95	NA	1266.17
MW-22D	10048.1687	10391.3548	1276.04	32.5	42.0	Deep	NM	NA	NA	NM	NA	NA
MW-23S	9824.696	10265.6365	1277.85	5.0	14.5	Shallow	NM	NA	NA	6.93	NA	1270.92
MW-23D	9818.3152	10265.6675	1277.89	28.0	37.5	Deep	11.18	NA	1266.71	10.80	NA	1267.09
MW-24S	9817.1277	10186.2119	1278.77	5.0	14.5	Shallow	6.74	NA	1272.03	8.09	NA	1270.68

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2008 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	March 26, 2008			June 25, 2008		
							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-25S						Shallow	9.16	NA		NM	NA	NA
MW-25D						Deep	9.53	NA		NM	NA	NA
HW-8	9834.664	10312.0885	1277.81	6.0	16.0	Shallow	4.71	NA	1273.10	6.45	NA	1271.36
HW-9	9810.5264	10313.3873	1280.78	6.0	16.0	Shallow	8.36	NA	1272.42	10.71	NA	1270.07
HW-10	9837.2976	9966.7406	1279.55	7.0	17.0	Shallow	NA	NA	NA	NA	NA	NA
RW-1S	9932.3606	10136.0515	1275.81	10.5	16.0	Shallow	11.05	11.50	1264.76	6.38	11.50	1269.43
RW-1D	9925.9898	10121.7689	1276.34	32.0	57.0	Deep	13.94	NA	1262.40	9.00	NA	1267.34
RW-2S	9982.9501	10151.7112	1276.33	10.0	15.5	Shallow	8.72	12.70	1267.61	7.00	12.70	1269.33
RW-2D	9982.6088	10169.3122	1276.35	27.0	42.0	Deep	36.95	36.90	1239.40	9.11	36.90	1267.24
RW-3S	9837.0894	9990.9663	1278.14	9.0	13.5	Shallow	6.80	8.80	1271.34	7.87	8.80	1270.27
RW-5S	9863.4298	10330.7462	1277.29	7.0	10.0	Shallow	NM	NA	NA	NM	NA	NA
RW-6D						Deep						
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	NM	NA	NA	NM	NA	NA
GP-2D	9899.7358	10207.9807	1278.56	30.0	34.8	Deep	NM	NA	NA	NM	NA	NA
GP-3S	9941.2543	10263.8898	1278.59	4.0	14.0	Shallow	NM	NA	NA	NM	NA	NA
GP-3D	9936.9027	10264.588	1278.62	34.0	38.8	Deep	NM	NA	NA	NM	NA	NA
GP-4S	9940.86*	10154.97*	1278.06	10.8	15.8	Shallow	8.32	NA	1269.74	8.47	NA	1269.59
GP-4D	9942.1743	10152.2232	1277.95	39.0	43.8	Deep	15.39	NA	1262.56	10.43	NA	1267.52
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	5.27	NA	1271.15	7.85	NA	1268.57
PZ-5D	9894.5731	10329.7148	1276.4	21.0	42.0	Deep	10.00	NA	1266.40	10.31	NA	1266.09
PZ-6S	9932.2079	10344.4895	1276.61	8.5	13.5	Shallow	7.83	NA	1268.78	10.29	NA	1266.32

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2008 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	March 26, 2008			June 26, 2008		
							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-6D	9929.8004	10343.4742	1276.62	25.5	45.5	Deep	9.85	NA	1266.77	9.91	NA	1266.71
PZ-7D	9994.5452	10463.2465	1275.68	22.0	42.0	Deep	9.62	NA	1266.06	11.08	NA	1264.60
PZ-8D	9856.4908	10237.8118	1278.12	21.0	41.0	Deep	NM	NA	NA	NM	NA	NA
PZ-9D	9856.2398	10291.1658	1277.3	19.0	39.0	Deep	4.11	NA	1273.19	11.39	NA	1265.91
PZ-10D	9858.9821	10366.4236	1277.52	26.5	46.5	Deep	1.61	NA	1275.91	10.78	NA	1266.74
PZ-11D	9863.0677	10452.8989	1276.63	21.3	41.3	Deep	9.90	NA	1266.73	10.82	NA	1265.81
VP-5D	9925.1052	10103.0141	1277.88	12.5	34.3	Deep	11.05	NA	1266.83	10.08	NA	1267.80
VP-6S	9928.8123	10423.4628	1276.48	18.3	24.0	Deep upper gravel	9.42	NA	NA	10.95	NA	1265.53
VP-6D	9932.5744	10424.1378	1276.6	29.5	39.5	Deep	9.39	NA	NA	11.08	NA	1265.52
VP-7D	9758.4881	10337.7133	1278.64	20.4	39.3	Deep	11.40	NA	1267.24	11.92	NA	1266.72
VP-8D	9994.6178	10197.8133	1277.15	20.0	39.0	Deep	10.94	NA	NA	10.14	NA	1267.01

Notes:

NM = Not Measured
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.

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2008 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	September 23, 2008			October 28, 2008		
							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	13.81	NA	1266.67	13.47	NA	1267.01
MW-2	9837.1531	9959.6857	1279.87		16.0	Shallow	9.29	NA	1270.58	8.95	NA	1270.92
MW-4	9792.3277	9900.7631	1281.02	13.0	18.0	Shallow	9.98	NA	1271.04	9.71	NA	1271.31
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	10.42	NA	1267.56	9.77	NA	1268.21
MW-7	9976.6467	10175.6797	1277.73	10.0	20.0	Shallow	8.88	NA	1268.85	8.59	NA	1269.14
MW-7D	9973.2593	10174.8524	1277.8	35.0	45.0	Deep	15.21	NA	1262.59	14.07	NA	1263.73
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	14.66	NA	1263.31	14.38	NA	1263.59
MW-10	9932.4702	10185.7078	1277.94	8.5	18.5	Shallow	8.38	NA	NA	7.31	NA	1270.63
MW-11	9937.9912	10101.7016	1277.75	5.0	15.0	Shallow	10.92	NA	1266.83	10.72	NA	1267.03
MW-11D	9942.3792	10101.1482	1277.85	35.0	45.0	Deep	13.89	NA	1263.96	13.53	NA	1264.32
MW-12	9883.0874	10104.9278	1278.18	4.0	14.0	Shallow	10.96	NA	1267.22	9.96	NA	1268.22
MW-13	9752.0619	10240.2934	1278.12	8.0	18.0	Shallow	NM	NA	NA	NM	NA	NA
MW-14S	10048.7753	10135.5198	1280.25	10.0	20.0	Shallow	14.18	NA	1266.07	14.03	NA	1266.22
MW-14D	10049.5051	10129.1897	1280.01	40.0	50.0	Deep	15.71	NA	1264.30	15.50	NA	1264.51
MW-15S	10051.8272	10254.4862	1279.55	10.0	20.0	Shallow	14.02	NA	1265.53	13.81	NA	1265.74
MW-15D	10045.5611	10255.205	1279.46	34.0	44.0	Deep	15.17	NA	1264.29	15.09	NA	1264.37
MW-16S	10146.7788	10236.8582	1279.32	7.0	17.0	Shallow	13.18	NA	1266.14	13.03	NA	1266.29
MW-16D	10143.9497	10236.6005	1279.05	36.0	46.0	Deep	14.38	NA	1264.67	14.23	NA	1264.82
MW-17	9987.6315	9995.5207	1278.7			Deep	NM	NA	NA	10.55	NA	1268.15
MW-18	9994.6655	10459.2207	1275.49		20.0	Shallow	10.55	NA	1264.94	10.39	NA	1265.10
MW-19S	9956.1454	10358.207	1276.82	9.0	19.0	Shallow	10.97	NA	1265.85	10.85	NA	1265.97
MW-19D	9951.569	10355.9748	1276.21	34.0	44.0	Deep	12.04	NA	1264.17	12.07	NA	1264.14
MW-20	9894.7336	10224.5128	1278.56	6.5	11.5	Shallow	7.43	NA	1271.13	6.81	NA	1271.75
MW-21D	9995.0094	10314.801	1276.12	31.5	41.0	Deep	11.46	NA	1264.66	11.65	NA	1264.47
MW-22D	10048.1687	10391.3548	1276.04	32.5	42.0	Deep	11.08	NA	1264.96	10.98	NA	1265.06
MW-23S	9824.696	10265.6365	1277.85	5.0	14.5	Shallow	7.11	NA	1270.74	6.66	NA	1271.19
MW-23D	9818.3152	10265.6675	1277.89	28.0	37.5	Deep	12.26	NA	1265.63	11.90	NA	1265.99
MW-24S	9817.1277	10186.2119	1278.77	5.0	14.5	Shallow	8.51	NA	1270.26	8.04	NA	1270.73

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2008 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	September 23, 2008			October 28, 2008		
							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-25S						Shallow	11.34	NA	NA	11.04	NA	NA
MW-25D						Deep	11.39	NA	NA	10.97	NA	NA
HW-8	9834.664	10312.0885	1277.81	6.0	16.0	Shallow	7.38	NA	1270.43	6.01	NA	1271.80
HW-9	9810.5264	10313.3873	1280.78	6.0	16.0	Shallow	10.95	NA	1269.83	10.38	NA	1270.40
HW-10	9837.2976	9966.7406	1279.55	7.0	17.0	Shallow	NA	NA	NA	NA	NA	NA
RW-1S	9932.3606	10136.0515	1275.81	10.5	16.0	Shallow	11.35	11.50	1264.46	10.82	11.50	1264.99
RW-1D	9925.9898	10121.7689	1276.34	32.0	57.0	Deep	13.07	NA	1263.27	12.68	NA	1263.66
RW-2S	9982.9501	10151.7112	1276.33	10.0	15.5	Shallow	8.99	12.70	1267.34	9.35	12.70	1266.98
RW-2D	9982.6088	10169.3122	1276.35	27.0	42.0	Deep	25.84	36.90	1250.51	25.60	36.90	1250.75
RW-3S	9837.0894	9990.9663	1278.14	9.0	13.5	Shallow	NM	8.80	NA	9.63	8.80	1268.51
RW-5S	9863.4298	10330.7462	1277.29	7.0	10.0	Shallow	NM	NA	NA	NM	NA	NA
RW-6D						Deep	28.07	NA	NA	24.06	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	NM	NA	NA	NM	NA	NA
GP-2D	9899.7358	10207.9807	1278.56	30.0	34.8	Deep	NM	NA	NA	NM	NA	NA
GP-3S	9941.2543	10263.8898	1278.59	4.0	14.0	Shallow	NM	NA	NA	NM	NA	NA
GP-3D	9936.9027	10264.588	1278.62	34.0	38.8	Deep	NM	NA	NA	NM	NA	NA
GP-4S	9940.86*	10154.97*	1278.06	10.8	15.8	Shallow	9.14	NA	1268.92	8.91	NA	1269.15
GP-4D	9942.1743	10152.2232	1277.95	39.0	43.8	Deep	14.49	NA	1263.46	13.18	NA	1264.77
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	7.13	NA	1269.29	6.46	NA	1269.96
PZ-5D	9894.5731	10329.7148	1276.4	21.0	42.0	Deep	11.31	NA	1265.09	11.12	NA	1265.28
PZ-6S	9932.2079	10344.4895	1276.61	8.5	13.5	Shallow	9.84	NA	1266.77	9.54	NA	1267.07

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2008 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	September 23, 2008			October 28, 2008		
							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-6D	9929.8004	10343.4742	1276.62	25.5	45.5	Deep	9.26	NA	1267.36	9.46	NA	1267.16
PZ-7D	9994.5452	10463.2465	1275.68	22.0	42.0	Deep	11.38	NA	1264.30	11.12	NA	1264.56
PZ-8D	9856.4908	10237.8118	1278.12	21.0	41.0	Deep	NM	NA	NA	NM	NA	NA
PZ-9D	9856.2398	10291.1658	1277.3	19.0	39.0	Deep	NM	NA	NA	NM	NA	NA
PZ-10D	9858.9821	10366.4236	1277.52	26.5	46.5	Deep	NM	NA	NA	NM	NA	NA
PZ-11D	9863.0677	10452.8989	1276.63	21.3	41.3	Deep	11.14	NA	1265.49	11.30	NA	1265.33
VP-5D	9925.1052	10103.0141	1277.88	12.5	34.3	Deep	11.52	NA	1266.36	11.89	NA	1265.99
VP-6S	9928.8123	10423.4628	1276.48	18.3	24.0	Deep upper gravel	11.18	NA	1265.30	NM	NA	NA
VP-6D	9932.5744	10424.1378	1276.6	29.5	39.5	Deep	11.41	NA	1265.19	10.54	NA	1266.06
VP-7D	9758.4881	10337.7133	1278.64	20.4	39.3	Deep	12.90	NA	1265.74	12.62	NA	1266.02
VP-8D	9994.6178	10197.8133	1277.15	20.0	39.0	Deep	12.18	NA	1264.97	NM	NA	NA

Notes:

NM = Not Measured
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-2

Groundwater Extraction System Monitoring Data

APPENDIX A-2

2008 Groundwater Extraction System Monitoring Data Essex/Hope Site Jamestown, NY

Date	NPL Area - Shallow WBZ			L.F. Sand WBZ				AST/UST Area - Shallow		Comments
	RW-1S	RW-2S	Total	RW-2D	RW-6D	Total	RW-3S			
	Avg. GPM	Avg. GPM	GPM	Avg. GPM	Avg. GPM	GPM	Avg. GPM			
01/04/08	0.079	0.751	0.83	1.24	0	1.24	0.038	RWs down on arrival; restart at 1313 hrs.		
01/04/08	0.519	2.51	3.029	3.96	0	3.96	0.075			
01/16/08	0.218	1.93	2.148	1.33	0	1.33	0	RW-2D VFD down on arrival; reset at 1029 hrs.		
01/31/08	0.058	0.724	0.782	2.41	0	2.41	0	RWs down on arrival; restart at 1141 hrs.		
01/31/08	0.310	1.61	1.92	3.04	0	3.04	0			
02/14/08	0.010	0.114	0.124	0.205	0	0.205	0	RWs down on arrival; all lines frozen and RW-2D pipe broken.		
02/28/08	0.189	2.20	2.389	3.77	0	3.77	0.001	RWs online 2/27/08 at 1303 hrs. following line thaw and repair.		
03/15/08	0.007	0.104	0.111	0.199	0	0.199	0	RWs down on arrival; restart at 1235 hrs.		
03/15/08	0.853	2.73	3.583	4.21	0	4.21	0.240			
03/25/08	0.356	2.20	2.556	3.46	0	3.46	0.120			
03/26/08	0.194	1.85	2.044	3.41	0	3.41	0	RWs shut down at 1927 hrs for carbon bed maintenance.		
03/27/08	0.371	1.97	2.341	3.14	0	3.14	0.011	RWs online at 0852 hrs following carbon bed maintenance.		
04/03/08	0.182	1.47	1.652	2.44	0	2.44	0			
04/17/08	0.013	0.086	0.099	0.142	0	0.142	0			
04/30/08	0.093	0.966	1.059	2.33	0	2.33	0			
05/15/08	0.049	0.574	0.623	1.81	0	1.81	0			
05/20/08	0.039	0.465	0.504	1.13	0	1.13	0	RWs offline at 0847 hrs for well development. RWs online at 1340 hrs following RW-3S development, pump cleaning, etc.		
05/21/08	0.121	1.520	1.641	3.43	0	3.43	0.010	RWs offline at 0826 hrs for well development. RWs online at 1532 hrs following RW-1S and RW-2S development, pump cleaning, etc.		
05/22/08	0.134	1.49	1.624	3.40	0	3.4	0.014	RWs shut down to pump down EQ tank; RWs online at 1040 hrs.		

APPENDIX A-2

2008 Groundwater Extraction System Monitoring Data Essex/Hope Site Jamestown, NY

Date	NPL Area - Shallow WBZ				L.F. Sand WBZ				AST/UST Area - Shallow		Comments
	RW-1S	RW-2S	Total	Total GPM	RW-2D	RW-6D	Total GPM	RW-3S	Avg. GPM		
	Avg. GPM	Avg. GPM	GPM		Avg. GPM	Avg. GPM					
05/27/08	0.010	0.070	0.08	0.166	0	0.166	0.0009	0.0009	RWs offline for RW-2D acid treatment; RWs remain offline pending carbon change out.		
06/27/08	0.347	2.97	3.317	2.12	0	2.12	0	0	RWs online following carbon change out on 6/26/08. RW-2D on manual at reduced frequency due to bad relay.		
07/12/08	0.135	1.960	2.095	2.05	0	2.05	0.037	0.037			
07/24/08	0	1.29	1.29	2.04	0	2.04	0.018	0.018	RW-1S Meter bad.		
08/09/08	0	1.38	1.38	0.319	0	0.319	0.005	0.005	RW-2D VFD down on arrival; reset at 1307 hrs.		
08/20/08	0	1.13	1.130	2.00	0	2	0.003	0.003			
09/05/08	0	0.177	0.177	1.96	0	1.96	0.005	0.005			
09/15/08	0	0.186	0.186	1.87	0	1.87	0.002	0.002	RWs reset at 0739 hrs.		
09/18/08	0	1.24	1.24	2.18	0	2.18	0.00002	0.00002			
09/22/08	8.6	0.578	9.178	2.11	1.14	3.25	0.0002	0.0002	RW-6D on-line at 1307 hrs; continue to adjust VFD frequency. RW-1S level probes adjusted and flow meter replaced; back on-line at 1349 hrs.		
09/23/08	0.462	0.308	0.77	1.91	0.062	1.972	0.0002	0.0002	RW-6D frequency adjusted to 48 Hz; meter cleaned due to clog.		
09/24/08	0.445	0.281	0.726	2.08	0.403	2.483	0.010	0.010			
09/25/08	0.398	0.224	0.622	2.07	0.432	2.502	0.022	0.022			
10/03/08	0.354	0.401	0.755	2.07	0.571	2.641	0.042	0.042			
10/10/08	0.381	1.430	1.811	2.06	0.693	2.753	0.065	0.065			
10/23/08	0.384	0.504	0.888	1.74	0.709	2.449	0.044	0.044			
10/27/08	0.331	0.566	0.897	2.02	0.591	2.611	0.045	0.045			
10/30/08	0.298	0.980	1.278	2.01	0.527	2.537	0.049	0.049	RW-6D frequency increased to 58 Hz.		
10/30/08	0.408	1.21	1.618	2.06	1.100	3.16	0.077	0.077			

APPENDIX A-2

2008 Groundwater Extraction System Monitoring Data Essex/Hope Site Jamestown, NY

Date	NPL Area - Shallow WBZ				L.F. Sand WBZ				AST/UST Area - Shallow		Comments
	RW-1S Avg. GPM	RW-2S Avg. GPM	Total GPM		RW-2D Avg. GPM	RW-6D Avg. GPM	Total GPM		RW-3S Avg. GPM		
11/06/08	0.278	0.685	0.963		2.02	0.904	2.924		0.048		
11/11/08	0.235	0.345	0.58		1.98	0.904	2.884		0.0420		RWs off-line approximately 1.5 hrs to pump down EQ tank.
11/14/08	0.282	0.485	0.767		1.98	0.870	2.85		0.043		
11/25/08	0.120	0.694	0.814		2.00	0.383	2.383		0.034		RW-6D meter cleaned due to clog; well will need developing.
12/03/08	0.102	0.895	0.997		2.02	0.327	2.347		0.038		
12/11/08	0.025	0.195	0.22		2.02	0.078	2.098		0.010		RWs off-line during RW-2D relay installation.
12/11/08	0.466	2.34	2.806		1.22	1.09	2.31		0.198		RW-2D on-line under normal operations at 1130 hrs.
12/23/08	0.020	0.107	0.127		0.100	0.041	0.141		0.008		RW-6D off-line; line may be frozen.

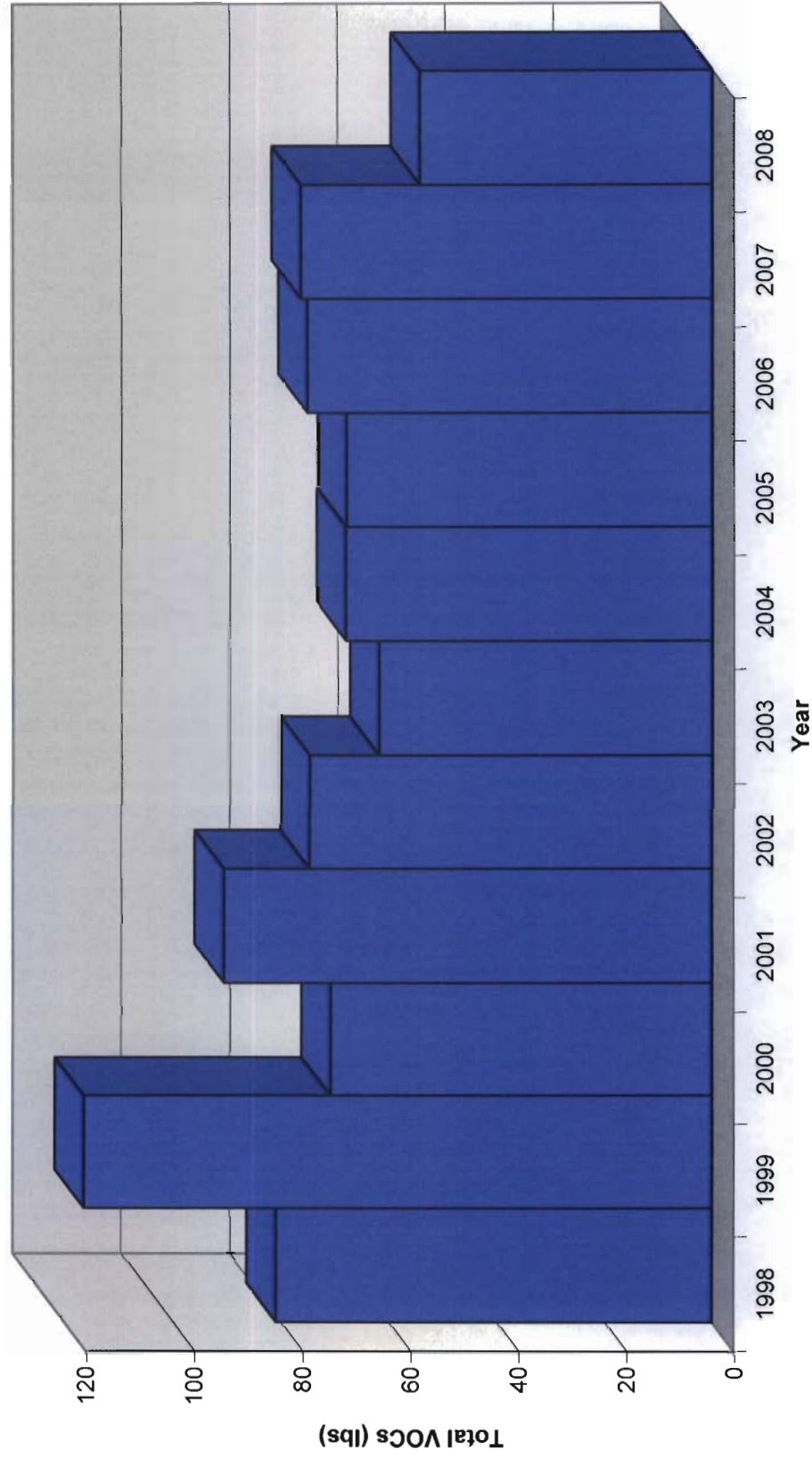
APPENDIX A-3

Recovery Well Performance Data

APPENDIX A-3 - Recovery Well Performance Data

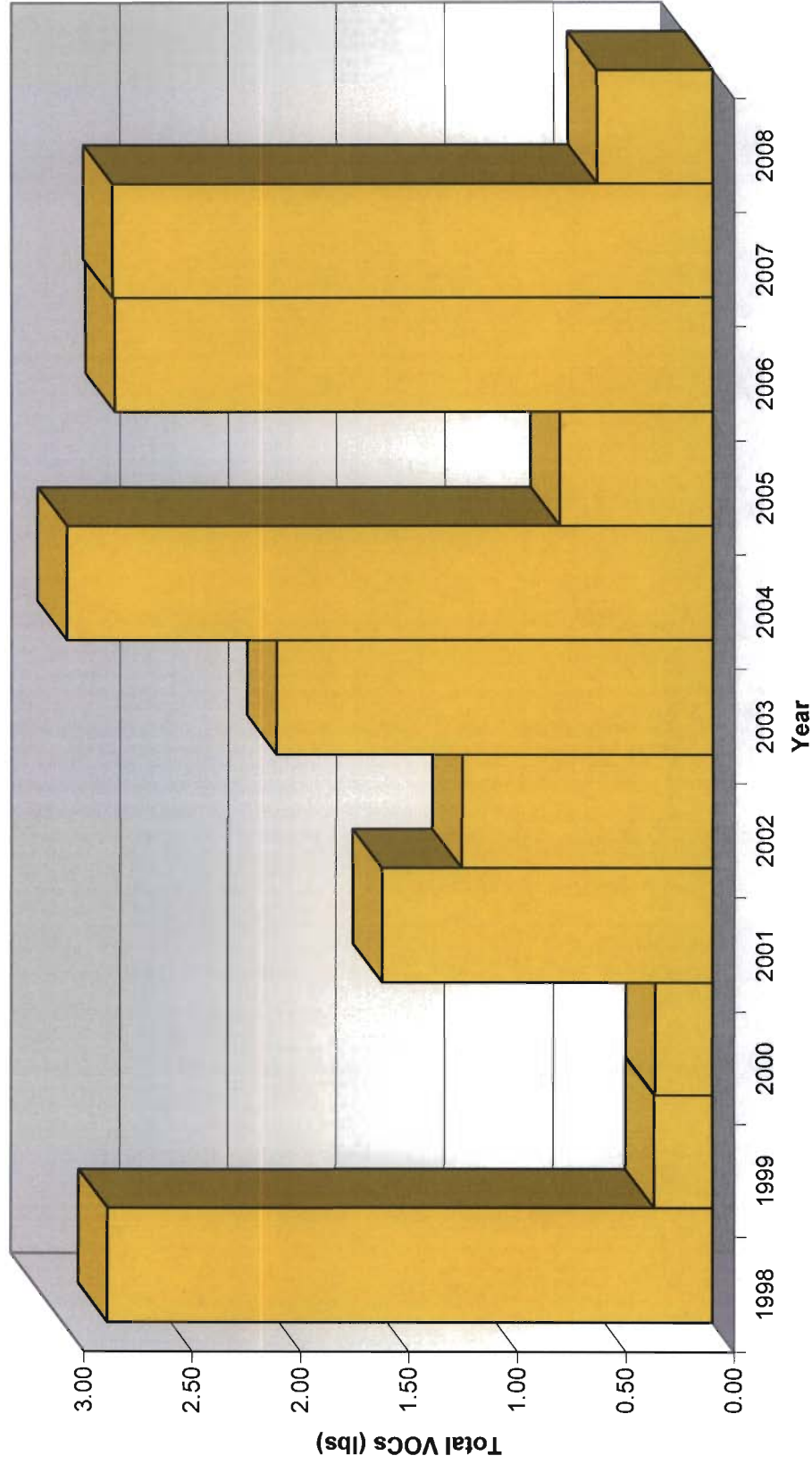
TOTAL SITE VOCs MASS REMOVED

Essex/Hope Site
Jamestown, NY



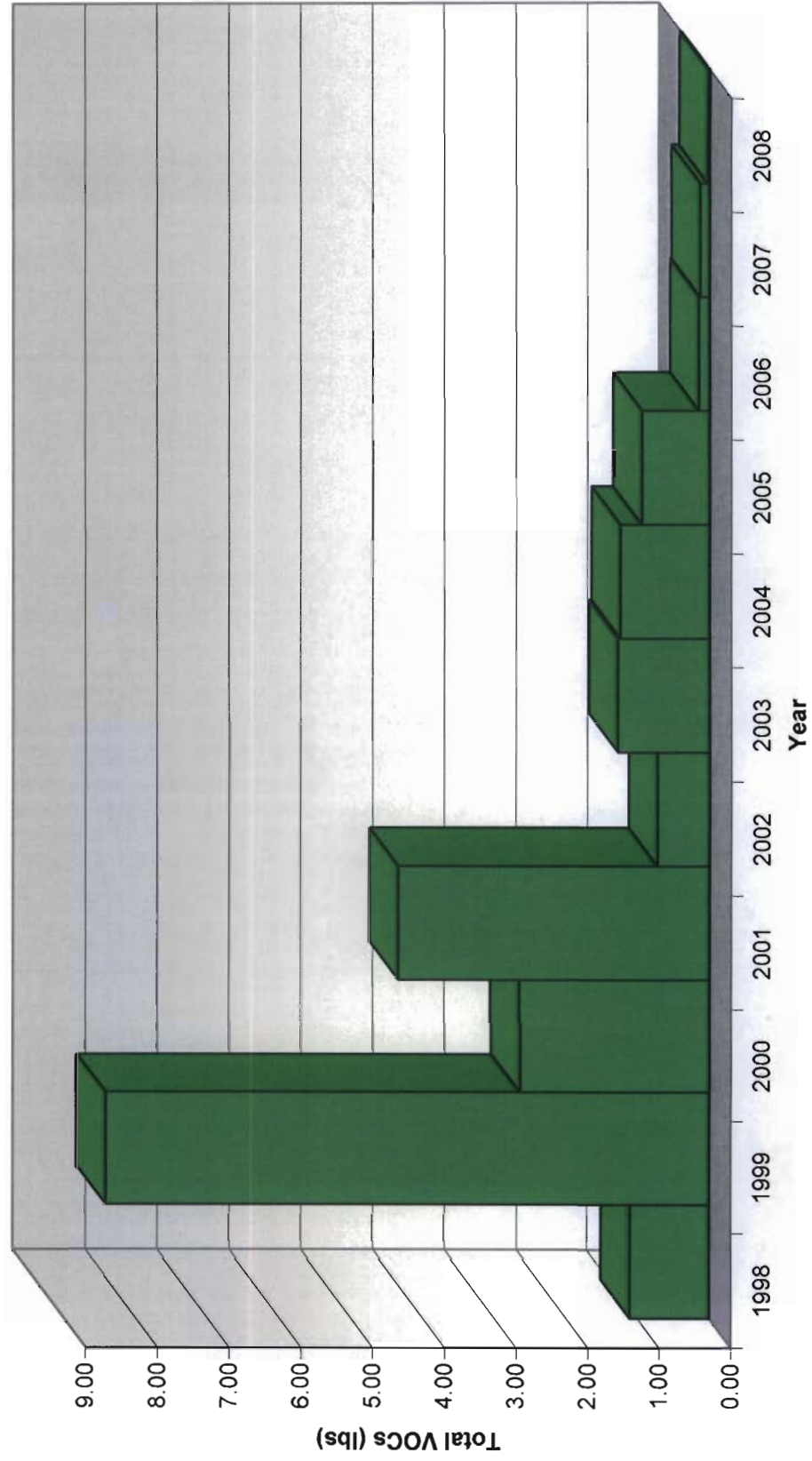
APPENDIX A-3 - Recovery Well Performance Data

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



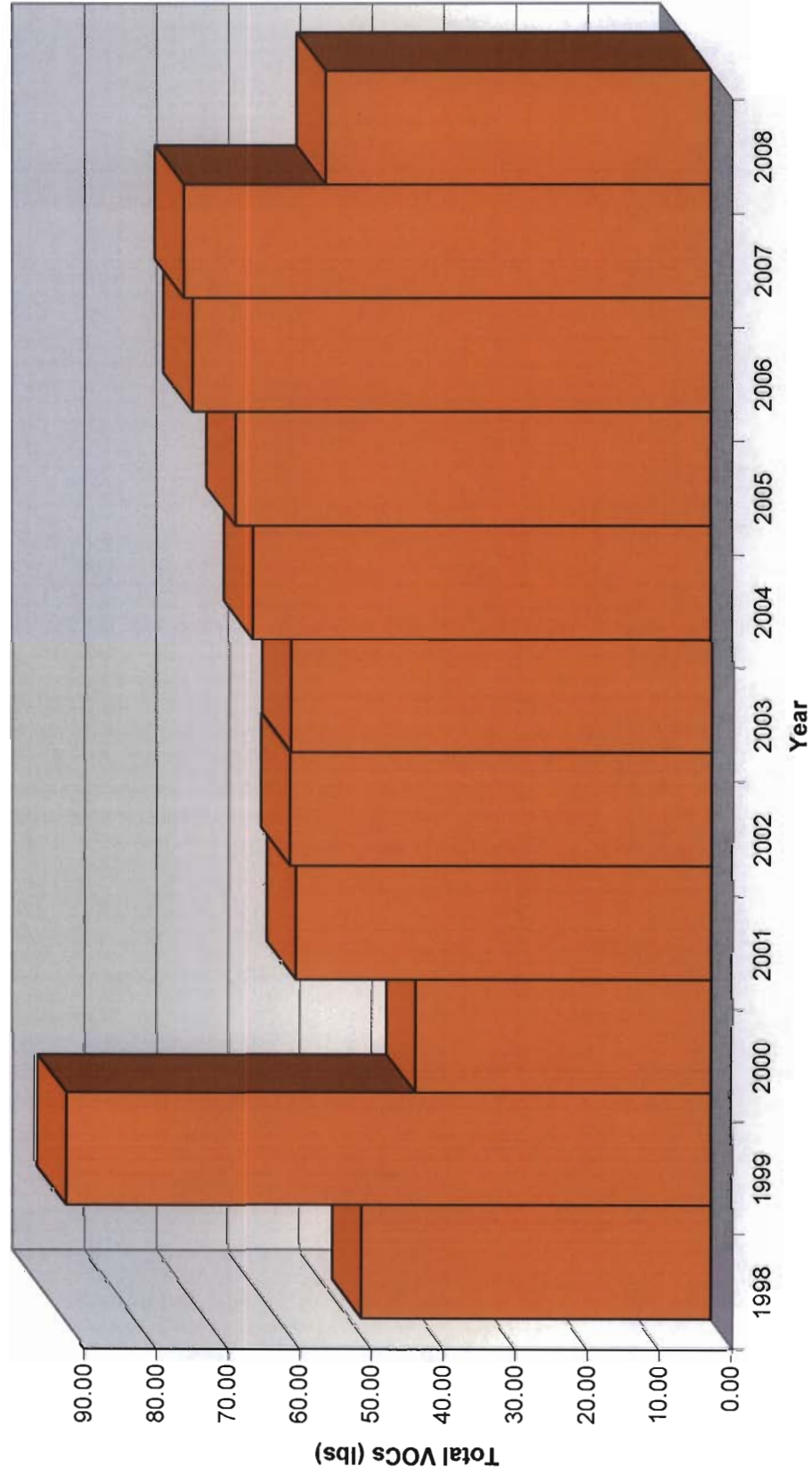
APPENDIX A-3 - Recovery Well Performance Data

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



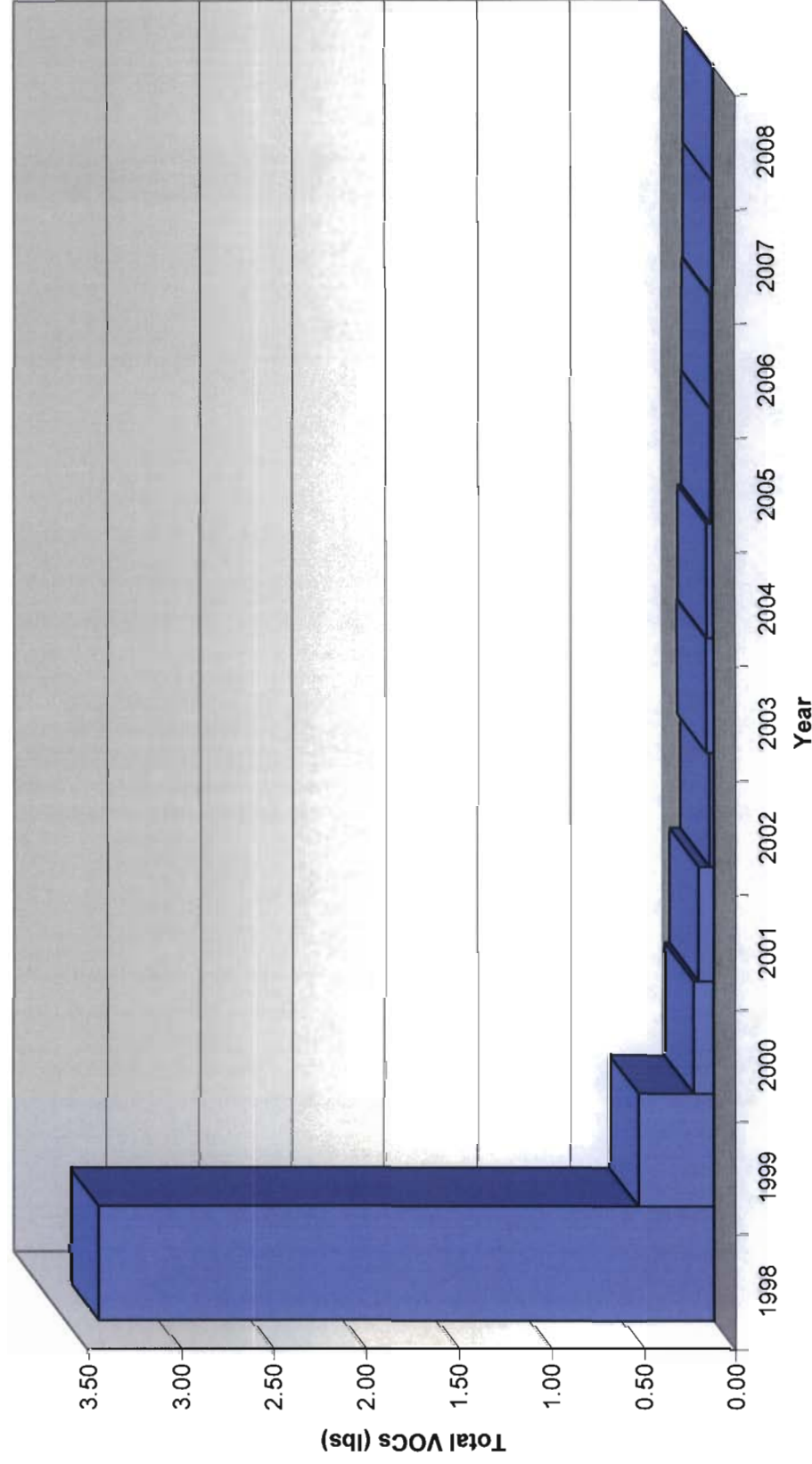
APPENDIX A-3 - Recovery Well Performance Data

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



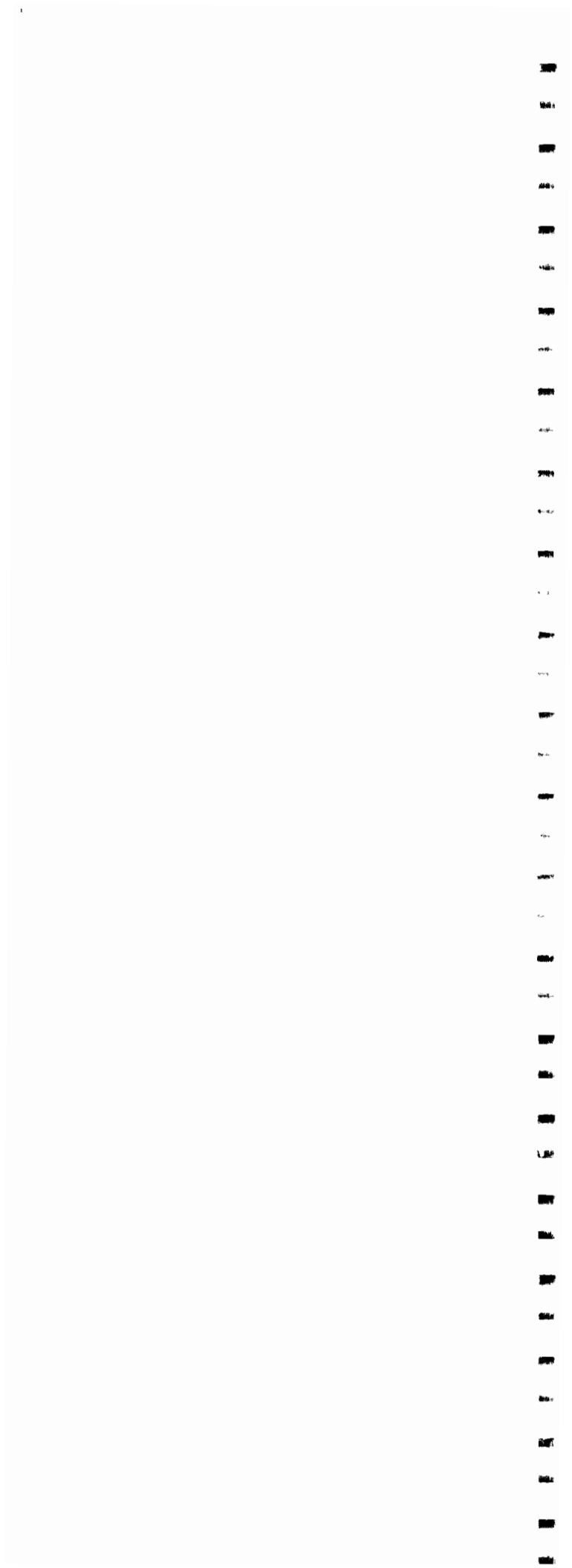
APPENDIX A-3 - Recovery Well Performance Data

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



APPENDIX B

LABORATORY ANALYTICAL DATA



APPENDIX B-1

2008 SEMI-ANNUAL RECOVERY WELL DATA

July 11, 2008

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, 2008. 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 08-4860 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41568140.10000

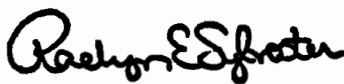
Pace Sample Identification	Client Sample Identification
0806-4741	RW-1S
0806-4742	RW-1D
0806-4743	RW-2S

Pace Sample Identification	Client Sample Identification
0806-4744	RW-2D
0806-4745	RW-3S
0806-4746	Trip Blank

General Comments: Cooler temperature 21.4 ° 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
Project Manager

REC: rdc

Enclosures

Page 1 of 14

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

Lab Project ID: 08-4860
Lab Sample ID: 0806-4741
Client Sample ID: RW-1S
Sample Matrix: Aqueous

Date Sampled: 06/27/2008
Date Received: 06/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/08/2008	0074690-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/08/2008	0074690-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	90	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0806-4741

Client Sample ID: RW-1S

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichloroethene	8260B ⁽¹⁾	250	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	7.9	2.0	ug/l	MAK	07/08/2008	0074690-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<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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Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

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

Lab Project ID: 08-4860
Lab Sample ID: 0806-4742
Client Sample ID: RW-1D
Sample Matrix: Aqueous

Date Sampled: 06/27/2008
Date Received: 06/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/08/2008	0074690-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/08/2008	0074690-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	33	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0

(Continued)

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Lab Sample ID: 0806-4742

Client Sample ID: RW-1D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	16	2.0	ug/l	MAK	07/08/2008	0074690-1	<2.0
o-Xylene	8260B ⁽¹⁾	7.1	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	8.7	5.0	ug/l	MAK	07/08/2008	0074690-1	<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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Mr. Mark Dowiak
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Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-4860
Lab Sample ID: 0806-4743
Client Sample ID: RW-2S
Sample Matrix: Aqueous

Date Sampled: 06/27/2008
Date Received: 06/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/08/2008	0074690-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/08/2008	0074690-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	5.9	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0806-4743

Client Sample ID: RW-2S

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichloroethene	8260B ⁽¹⁾	7.4	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	MAK	07/08/2008	0074690-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	18	5.0	ug/l	MAK	07/08/2008	0074690-1	<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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Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: **08-4860**
Lab Sample ID: **0806-4744**
Client Sample ID: **RW-2D**
Sample Matrix: **Aqueous**

Date Sampled: **06/27/2008**
Date Received: **06/30/2008**

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	07/08/2008	0074690-1	<10
Benzene	8260B ⁽¹⁾	8.2	1.0	ug/l	MAK	07/08/2008	0074690-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Carbon Disulfide	8260B ⁽¹⁾	62	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	31	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	6300	40	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	64	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0

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Lab Sample ID: 0806-4744

Client Sample ID: RW-2D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichloroethene	8260B ⁽¹⁾	1200	40	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	810	80	ug/l	MAK	07/08/2008	0074690-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<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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 Construction Services Division
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 501 Holiday Drive, Suite 300
 Pittsburgh, PA 15220

Lab Project ID: 08-4860
Lab Sample ID: 0806-4745
Client Sample ID: RW-3S
Sample Matrix: Aqueous

Date Sampled: 06/27/2008
Date Received: 06/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/08/2008	0074690-1	<10
Benzene	8260B ⁽¹⁾	49	1.0	ug/l	MAK	07/08/2008	0074690-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Cumene	8260B ⁽¹⁾	11	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	12	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0806-4745
Client Sample ID: RW-3S

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	MAK	07/08/2008	0074690-1	<2.0
o-Xylene	8260B ⁽¹⁾	5.6	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	5.7	5.0	ug/l	MAK	07/08/2008	0074690-1	<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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Pittsburgh, PA 15220

Lab Project ID: 08-4860
Lab Sample ID: 0806-4746
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 06/27/2008
Date Received: 06/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/08/2008	0074690-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/08/2008	0074690-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0806-4746

Client Sample ID: Trip Blank

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	MAK	07/08/2008	0074690-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<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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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:	
Email To:				Address:	
Phone:		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
				☐ UST	☐ RCRA
				☐	☐ DRINKING WATER
				☐	☐ OTHER
				Site Location	
				STATE:	

[illegible][illegible][illegible]

January 12, 2009

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

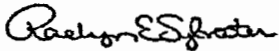
RE: Project: 41568140.4000 Essex-Hope
Pace Project No.: 302946

Dear Mr. Dowiak:

Enclosed are the analytical results for sample(s) received by the laboratory on December 26, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raelyn Sylvester

raelyn.sylvester@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 41568140.4000 Essex-Hope
Pace Project No.: 302946

Pennsylvania Certification IDs

Wyoming Certification #: 8TMS-Q
Wisconsin/PADEP Certification
West Virginia Certification #: 143
Washington Certification #: C1941
Virginia Certification #: 00112
Virgin Island/PADEP Certification
Utah/NELAC Certification #: ANTE
Texas/NELAC Certification #: T104704188-09 TX
Tennessee Certification #: TN2867
South Dakota Certification
South Carolina Certification #: 89010002
Pennsylvania/NELAC Certification #: 65-282
Oregon/NELAC Certification #: PA200002
North Carolina Certification #: 42706
New York/NELAC Certification #: 10888
New Mexico Certification
New Jersey/NELAC Certification #: PA 051
New Hampshire/NELAC Certification #: 2976
Nevada Certification
Montana Certification #: Cert 0082
Missouri Certification #: 235
Minnesota Certification #: 042-999-425
Michigan/PADEP Certification

Massachusetts Certification #: M-PA1457
Maryland Certification #: 308
Maine Certification #: PA0091
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086
Kentucky Certification #: 90133
Kansas/NELAC Certification #: E-10358
Iowa Certification #: 391
Indiana/PADEP Certification
Illinois/PADEP Certification
Idaho Certification
Hawaii/PADEP Certification
Guam/PADEP Certification
Georgia Certification #: 968
Florida/NELAC Certification #: E87683
Delaware Certification
Connecticut Certification #: PH 0694
Colorado Certification
California/NELAC Certification #: 04222CA
Arkansas Certification
Arizona Certification #: AZ0734
Alabama Certification #: 41590

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 41568140.4000 Essex-Hope
Pace Project No.: 302946

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
302946001	RW-2D	EPA 8260	JAS	42	PASI-PA
302946002	RW-2S	EPA 8260	JAS	42	PASI-PA
302946003	RW-1S	EPA 8260	JAS	42	PASI-PA
302946004	RW-3S	EPA 8260	JAS	42	PASI-PA
302946005	TB-01	EPA 8260	JAS	42	PASI-PA

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 41568140.4000 Essex-Hope

Pace Project No.: 302946

Sample: RW-2D		Lab ID: 302946001	Collected: 12/23/08 14:00		Received: 12/26/08 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/29/08 19:24	67-64-1	
Benzene	7.9	ug/L	1.0	1		12/29/08 19:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/29/08 19:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/29/08 19:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/29/08 19:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/29/08 19:24	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/29/08 19:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/29/08 19:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/29/08 19:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/29/08 19:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/29/08 19:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/29/08 19:24	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/29/08 19:24	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 19:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 19:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 19:24	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/29/08 19:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/29/08 19:24	107-06-2	
1,1-Dichloroethene	23.7	ug/L	5.0	1		12/29/08 19:24	75-35-4	
cis-1,2-Dichloroethene	3980	ug/L	250	50		12/30/08 15:11	156-59-2	
trans-1,2-Dichloroethene	39.4	ug/L	5.0	1		12/29/08 19:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/29/08 19:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/29/08 19:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/29/08 19:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/29/08 19:24	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/29/08 19:24	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/29/08 19:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/29/08 19:24	108-10-1	
Styrene	ND	ug/L	5.0	1		12/29/08 19:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/29/08 19:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/29/08 19:24	127-18-4	
Toluene	ND	ug/L	5.0	1		12/29/08 19:24	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/29/08 19:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/29/08 19:24	79-00-5	
Trichloroethene	1420	ug/L	250	50		12/30/08 15:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/29/08 19:24	75-69-4	
Vinyl chloride	766	ug/L	50.0	50		12/30/08 15:11	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/29/08 19:24	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/29/08 19:24	95-47-6	
4-Bromofluorobenzene (S)	102	%	70-130	1		12/29/08 19:24	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		12/29/08 19:24	17060-07-0	
Toluene-d8 (S)	104	%	70-130	1		12/29/08 19:24	2037-26-5	

ANALYTICAL RESULTS

Project: 41568140.4000 Essex-Hope
Pace Project No.: 302946

Sample: RW-2S		Lab ID: 302946002	Collected: 12/23/08 14:05		Received: 12/26/08 11:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/30/08 15:38	67-64-1	
Benzene	ND	ug/L	1.0	1		12/30/08 15:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/30/08 15:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/30/08 15:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/30/08 15:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/30/08 15:38	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/30/08 15:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/30/08 15:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/30/08 15:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/30/08 15:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/30/08 15:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/30/08 15:38	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/30/08 15:38	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/30/08 15:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/30/08 15:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/30/08 15:38	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/30/08 15:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/30/08 15:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/30/08 15:38	75-35-4	
cis-1,2-Dichloroethene	8.2	ug/L	5.0	1		12/30/08 15:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/30/08 15:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/30/08 15:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/30/08 15:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/30/08 15:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/30/08 15:38	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/30/08 15:38	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/30/08 15:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/30/08 15:38	108-10-1	
Styrene	ND	ug/L	5.0	1		12/30/08 15:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/30/08 15:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/30/08 15:38	127-18-4	
Toluene	ND	ug/L	5.0	1		12/30/08 15:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/30/08 15:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/30/08 15:38	79-00-5	
Trichloroethene	6.0	ug/L	5.0	1		12/30/08 15:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/30/08 15:38	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/30/08 15:38	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/30/08 15:38	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/30/08 15:38	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130	1		12/30/08 15:38	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		12/30/08 15:38	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		12/30/08 15:38	2037-26-5	

ANALYTICAL RESULTS

Project: 41568140.4000 Essex-Hope
Pace Project No.: 302946

Sample: RW-1S		Lab ID: 302946003	Collected: 12/23/08 14:10		Received: 12/26/08 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/29/08 20:18	67-64-1	
Benzene	ND	ug/L	1.0	1		12/29/08 20:18	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/29/08 20:18	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/29/08 20:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/29/08 20:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/29/08 20:18	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/29/08 20:18	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/29/08 20:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/29/08 20:18	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/29/08 20:18	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/29/08 20:18	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/29/08 20:18	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/29/08 20:18	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 20:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 20:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 20:18	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/29/08 20:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/29/08 20:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/29/08 20:18	75-35-4	
cis-1,2-Dichloroethene	162	ug/L	5.0	1		12/29/08 20:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/29/08 20:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/29/08 20:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/29/08 20:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/29/08 20:18	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/29/08 20:18	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/29/08 20:18	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/29/08 20:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/29/08 20:18	108-10-1	
Styrene	ND	ug/L	5.0	1		12/29/08 20:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/29/08 20:18	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/29/08 20:18	127-18-4	
Toluene	ND	ug/L	5.0	1		12/29/08 20:18	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/29/08 20:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/29/08 20:18	79-00-5	
Trichloroethene	172	ug/L	5.0	1		12/29/08 20:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/29/08 20:18	75-69-4	
Vinyl chloride	29.2	ug/L	1.0	1		12/29/08 20:18	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/29/08 20:18	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/29/08 20:18	95-47-6	
4-Bromofluorobenzene (S)	102	%	70-130	1		12/29/08 20:18	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		12/29/08 20:18	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		12/29/08 20:18	2037-26-5	

ANALYTICAL RESULTS

Project: 41568140.4000 Essex-Hope

Pace Project No.: 302946

Sample: RW-3S		Lab ID: 302946004	Collected: 12/23/08 14:15	Received: 12/26/08 11:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/29/08 20:45	67-64-1	
Benzene	13.6	ug/L	1.0	1		12/29/08 20:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/29/08 20:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/29/08 20:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/29/08 20:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/29/08 20:45	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/29/08 20:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/29/08 20:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/29/08 20:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/29/08 20:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/29/08 20:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/29/08 20:45	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/29/08 20:45	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 20:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 20:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 20:45	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/29/08 20:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/29/08 20:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/29/08 20:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/29/08 20:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/29/08 20:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/29/08 20:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/29/08 20:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/29/08 20:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/29/08 20:45	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/29/08 20:45	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/29/08 20:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/29/08 20:45	108-10-1	
Styrene	ND	ug/L	5.0	1		12/29/08 20:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/29/08 20:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/29/08 20:45	127-18-4	
Toluene	ND	ug/L	5.0	1		12/29/08 20:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/29/08 20:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/29/08 20:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/29/08 20:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/29/08 20:45	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/29/08 20:45	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/29/08 20:45	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/29/08 20:45	95-47-6	
4-Bromofluorobenzene (S)	102	%	70-130	1		12/29/08 20:45	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		12/29/08 20:45	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		12/29/08 20:45	2037-26-5	

ANALYTICAL RESULTS

Project: 41568140.4000 Essex-Hope

Pace Project No.: 302946

Sample: TB-01 Lab ID: 302946005 Collected: 12/25/08 00:00 Received: 12/26/08 13:43 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/29/08 21:12	67-64-1	
Benzene	ND	ug/L	1.0	1		12/29/08 21:12	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/29/08 21:12	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/29/08 21:12	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/29/08 21:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/29/08 21:12	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/29/08 21:12	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/29/08 21:12	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/29/08 21:12	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/29/08 21:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/29/08 21:12	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/29/08 21:12	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/29/08 21:12	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 21:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 21:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/29/08 21:12	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/29/08 21:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/29/08 21:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/29/08 21:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/29/08 21:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/29/08 21:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/29/08 21:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/29/08 21:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/29/08 21:12	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/29/08 21:12	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/29/08 21:12	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/29/08 21:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/29/08 21:12	108-10-1	
Styrene	ND	ug/L	5.0	1		12/29/08 21:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/29/08 21:12	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/29/08 21:12	127-18-4	
Toluene	ND	ug/L	5.0	1		12/29/08 21:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/29/08 21:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/29/08 21:12	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/29/08 21:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/29/08 21:12	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/29/08 21:12	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/29/08 21:12	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/29/08 21:12	95-47-6	
4-Bromofluorobenzene (S)	100 %		70-130	1		12/29/08 21:12	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		70-130	1		12/29/08 21:12	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		12/29/08 21:12	2037-26-5	

QUALITY CONTROL DATA

Project: 41568140.4000 Essex-Hope
Pace Project No.: 302946

QC Batch: MSV/1359 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 302946001, 302946002, 302946003, 302946004, 302946005

METHOD BLANK: 15051 Matrix: Water
Associated Lab Samples: 302946001, 302946002, 302946003, 302946004, 302946005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	12/29/08 13:34	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/29/08 13:34	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/29/08 13:34	
1,1-Dichloroethane	ug/L	ND	5.0	12/29/08 13:34	
1,1-Dichloroethene	ug/L	ND	5.0	12/29/08 13:34	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/29/08 13:34	
1,2-Dichloroethane	ug/L	ND	5.0	12/29/08 13:34	
1,2-Dichloropropane	ug/L	ND	5.0	12/29/08 13:34	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/29/08 13:34	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/29/08 13:34	
2-Butanone (MEK)	ug/L	ND	10.0	12/29/08 13:34	
2-Hexanone	ug/L	ND	10.0	12/29/08 13:34	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/29/08 13:34	
Acetone	ug/L	ND	10.0	12/29/08 13:34	
Benzene	ug/L	ND	1.0	12/29/08 13:34	
Bromodichloromethane	ug/L	ND	5.0	12/29/08 13:34	
Bromoform	ug/L	ND	5.0	12/29/08 13:34	
Bromomethane	ug/L	ND	5.0	12/29/08 13:34	
Carbon disulfide	ug/L	ND	5.0	12/29/08 13:34	
Carbon tetrachloride	ug/L	ND	5.0	12/29/08 13:34	
Chlorobenzene	ug/L	ND	5.0	12/29/08 13:34	
Chloroethane	ug/L	ND	5.0	12/29/08 13:34	
Chloroform	ug/L	ND	5.0	12/29/08 13:34	
Chloromethane	ug/L	ND	5.0	12/29/08 13:34	
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/29/08 13:34	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/29/08 13:34	
Dibromochloromethane	ug/L	ND	5.0	12/29/08 13:34	
Ethylbenzene	ug/L	ND	5.0	12/29/08 13:34	
m&p-Xylene	ug/L	ND	5.0	12/29/08 13:34	
Methylene Chloride	ug/L	ND	5.0	12/29/08 13:34	
o-Xylene	ug/L	ND	5.0	12/29/08 13:34	
Styrene	ug/L	ND	5.0	12/29/08 13:34	
Tetrachloroethene	ug/L	ND	5.0	12/29/08 13:34	
Toluene	ug/L	ND	5.0	12/29/08 13:34	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/29/08 13:34	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/29/08 13:34	
Trichloroethene	ug/L	ND	5.0	12/29/08 13:34	
Trichlorofluoromethane	ug/L	ND	5.0	12/29/08 13:34	
Vinyl chloride	ug/L	ND	1.0	12/29/08 13:34	
1,2-Dichloroethane-d4 (S)	%	96	70-130	12/29/08 13:34	
4-Bromofluorobenzene (S)	%	99	70-130	12/29/08 13:34	
Toluene-d8 (S)	%	97	70-130	12/29/08 13:34	

Date: 01/12/2009 01:38 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 41568140.4000 Essex-Hope
Pace Project No.: 302946

LABORATORY CONTROL SAMPLE & LCSD:		15052	15053							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	16.6	20.3	83	101	70-130	20	30	
1,1,2,2-Tetrachloroethane	ug/L	20	17.2	19.3	86	96	70-130	11	30	
1,1,2-Trichloroethane	ug/L	20	17.9	20.9	89	104	70-130	15	30	
1,1-Dichloroethane	ug/L	20	16.0	19.7	80	99	70-130	21	30	
1,1-Dichloroethene	ug/L	20	15.5	20.7	77	103	70-130	29	30	
1,2-Dichlorobenzene	ug/L	20	17.6	20.3	88	102	70-130	14	30	
1,2-Dichloroethane	ug/L	20	16.4	18.9	82	95	70-130	14	30	
1,2-Dichloropropane	ug/L	20	16.4	19.8	82	99	70-130	18	30	
1,3-Dichlorobenzene	ug/L	20	17.7	20.4	88	102	70-130	14	30	
1,4-Dichlorobenzene	ug/L	20	17.8	19.9	89	100	70-130	12	30	
2-Butanone (MEK)	ug/L	20	19.2	19.3	96	97	70-130	.6	30	
2-Hexanone	ug/L	20	18.9	18.8	94	94	70-130	.2	30	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.2	20.1	101	101	70-130	.3	30	
Acetone	ug/L	20	23.0	23.1	115	116	70-130	.4	30	
Benzene	ug/L	20	16.0	19.4	80	97	70-130	19	30	
Bromodichloromethane	ug/L	20	15.8	19.2	79	96	70-130	20	30	
Bromoform	ug/L	20	16.1	18.6	81	93	70-130	14	30	
Bromomethane	ug/L	20	20.9	19.9	105	99	70-130	5	30	
Carbon disulfide	ug/L	20	19.0	19.3	95	97	70-130	1	30	
Carbon tetrachloride	ug/L	20	15.0	18.3	75	92	70-130	20	30	
Chlorobenzene	ug/L	20	17.3	20.4	87	102	70-130	16	30	
Chloroethane	ug/L	20	18.1	18.2	90	91	70-130	.6	30	
Chloroform	ug/L	20	17.4	20.4	87	102	70-130	16	30	
Chloromethane	ug/L	20	11.7	11.3	58	56	70-130	3	30	L0
cis-1,2-Dichloroethene	ug/L	20	17.0	20.1	85	101	70-130	17	30	
cis-1,3-Dichloropropene	ug/L	20	15.5	18.4	77	92	70-130	17	30	
Dibromochloromethane	ug/L	20	16.5	19.2	83	96	70-130	15	30	
Ethylbenzene	ug/L	20	17.2	20.2	86	101	70-130	16	30	
m&p-Xylene	ug/L	40	35.9	42.2	90	106	70-130	16	30	
Methylene Chloride	ug/L	20	18.3	22.5	92	112	70-130	20	30	
o-Xylene	ug/L	20	17.0	20.0	85	100	70-130	16	30	
Styrene	ug/L	20	17.0	20.3	85	102	70-130	18	30	
Tetrachloroethene	ug/L	20	17.4	20.9	87	105	70-130	18	30	
Toluene	ug/L	20	16.6	19.7	83	98	70-130	17	30	
trans-1,2-Dichloroethene	ug/L	20	15.0	19.3	75	96	70-130	25	30	
trans-1,3-Dichloropropene	ug/L	20	16.4	19.2	82	96	70-130	16	30	
Trichloroethene	ug/L	20	16.2	19.7	81	99	70-130	20	30	
Trichlorofluoromethane	ug/L	20	20.1	20.6	100	103	70-130	3	30	
Vinyl chloride	ug/L	20	18.9	19.2	95	96	70-130	1	30	
1,2-Dichloroethane-d4 (S)	%				98	95	70-130			
4-Bromofluorobenzene (S)	%				99	97	70-130			
Toluene-d8 (S)	%				95	96	70-130			

QUALIFIERS

Project: 41568140.4000 Essex-Hope
Pace Project No.: 302946

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 41568140.4000 Essex-Hope
Pace Project No.: 302946

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
302946001	RW-2D	EPA 8260	MSV/1359		
302946002	RW-2S	EPA 8260	MSV/1359		
302946003	RW-1S	EPA 8260	MSV/1359		
302946004	RW-3S	EPA 8260	MSV/1359		
302946005	TB-01	EPA 8260	MSV/1359		

APPENDIX B-2

2008 ANNUAL PMP MONITORING WELL DATA

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November 11, 2008

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 31, 2008. 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 08-8123 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41568140.40000

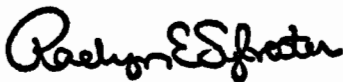
Pace Sample Identification	Client Sample Identification
0810-4277	MW-2
0810-4278	VP-6D
0810-4279	MW-19D
0810-4280	MW-7S

Pace Sample Identification	Client Sample Identification
0810-4281	MW-7D
0810-4282	MW-22D
0810-4283	MW-21D
0810-4284	TB-02

General Comments: Cooler temperature 5.9 ° 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: tew

Enclosures

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

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

Lab Project ID: 08-8123
Lab Sample ID: 0810-4277
Client Sample ID: MW-2
Sample Matrix: Aqueous

Date Sampled: 10/30/2008
Date Received: 10/31/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

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	11/06/2008	0078801-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	11/06/2008	0078801-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Cumene	8260B ⁽¹⁾	6.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0

(Continued)

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Lab Sample ID: 0810-4277

Client Sample ID: MW-2

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	EAC	11/06/2008	0078801-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<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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Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-8123
Lab Sample ID: 0810-4278
Client Sample ID: VP-6D
Sample Matrix: Aqueous

Date Sampled: 10/30/2008
Date Received: 10/31/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

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	11/06/2008	0078801-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	11/06/2008	0078801-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0

(Continued)

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Lab Sample ID: 0810-4278
Client Sample ID: VP-6D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	EAC	11/06/2008	0078801-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<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

Lab Project ID: 08-8123
Lab Sample ID: 0810-4279
Client Sample ID: MW-19D
Sample Matrix: Aqueous

Date Sampled: 10/30/2008
Date Received: 10/31/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B ⁽¹⁾	67000	10000	ug/l	EAC	11/10/2008	0078946-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	11/06/2008	0078801-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Butanone	8260B ⁽¹⁾	180	10	ug/l	EAC	11/06/2008	0078801-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0

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Lab Sample ID: 0810-4279

Client Sample ID: MW-19D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	110	2.0	ug/l	EAC	11/06/2008	0078801-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<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.: 41568140.40000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-8123
Lab Sample ID: 0810-4280
Client Sample ID: MW-7S
Sample Matrix: Aqueous

Date Sampled: 10/30/2008
Date Received: 10/31/2008

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B ⁽¹⁾	14	10	ug/l	EAC	11/06/2008	0078801-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	11/06/2008	0078801-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0810-4280
Client Sample ID: MW-7S

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichloroethene	8260B ⁽¹⁾	8.2	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	EAC	11/06/2008	0078801-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<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.: 41568140.40000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-8123
Lab Sample ID: 0810-4281
Client Sample ID: MW-7D
Sample Matrix: Aqueous

Date Sampled: 10/30/2008
Date Received: 10/31/2008

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B ⁽¹⁾	11	10	ug/l	EAC	11/06/2008	0078801-1	<10
Benzene	8260B ⁽¹⁾	12	1.0	ug/l	EAC	11/06/2008	0078801-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	25	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	7900	50	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	38	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0810-4281
Client Sample ID: MW-7D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichloroethene	8260B ⁽¹⁾	67	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	1100	100	ug/l	EAC	11/06/2008	0078801-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<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 Ref.: 41568140.40000

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Lab Project ID: 08-8123
Lab Sample ID: 0810-4282
Client Sample ID: MW-22D
Sample Matrix: Aqueous

Date Sampled: 10/30/2008
Date Received: 10/31/2008

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	11/06/2008	0078801-1	<10
Benzene	8260B(1)	6.7	1.0	ug/l	EAC	11/06/2008	0078801-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethene	8260B(1)	15	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	2100	200	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	9.1	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0

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Lab Sample ID: 0810-4282
Client Sample ID: MW-22D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichloroethene	8260B ⁽¹⁾	15000	200	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	61	2.0	ug/l	EAC	11/06/2008	0078801-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<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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Lab Project ID: 08-8123
Lab Sample ID: 0810-4283
Client Sample ID: MW-21D
Sample Matrix: Aqueous

Date Sampled: 10/30/2008
Date Received: 10/31/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B ⁽¹⁾	14	10	ug/l	EAC	11/06/2008	0078801-1	<10
Benzene	8260B ⁽¹⁾	210	1.0	ug/l	EAC	11/06/2008	0078801-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	26	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	140000	5000	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	21	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0

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Lab Sample ID: 0810-4283
Client Sample ID: MW-21D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	6.7	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Toluene	8260B ⁽¹⁾	33	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichloroethene	8260B ⁽¹⁾	530000	5000	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	190	2.0	ug/l	EAC	11/06/2008	0078801-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<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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Lab Project ID: 08-8123
Lab Sample ID: 0810-4284
Client Sample ID: TB-02
Sample Matrix: Aqueous

Date Sampled: 10/30/2008
Date Received: 10/31/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

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	11/06/2008	0078801-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	11/06/2008	0078801-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	11/06/2008	0078801-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0810-4284

Client Sample ID: TB-02

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichloroethene	8260B ⁽¹⁾	13	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	EAC	11/06/2008	0078801-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	11/06/2008	0078801-1	<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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November 13, 2008

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 30, 2008. 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 08-8080 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41568140.40000

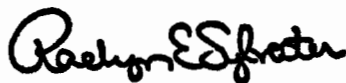
Pace Sample Identification	Client Sample Identification
0810-4072	MW-25D
0810-4073	MW-25S
0810-4074	MW-14S
0810-4075	MW-14D
0810-4076	MW-15S

Pace Sample Identification	Client Sample Identification
0810-4077	MW-15D
0810-4078	MW-8
0810-4079	MW-6
0810-4080	MW-20
0810-4081	TB-01

General Comments: Cooler temperature 7.2 ° 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: tew

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

Lab Project ID: 08-8080
Lab Sample ID: 0810-4072
Client Sample ID: MW-25D
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

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	JHC	11/04/2008	0078718-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	11/04/2008	0078718-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/12/2008	0078718-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0

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Lab Sample ID: 0810-4072

Client Sample ID: MW-25D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/12/2008	0078718-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JHC	11/04/2008	0078718-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<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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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.: 41568140.40000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-8080
Lab Sample ID: 0810-4073
Client Sample ID: MW-25S
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

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	JHC	11/04/2008	0078718-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	11/04/2008	0078718-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	58	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0

(Continued)

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Lab Sample ID: 0810-4073
Client Sample ID: MW-25S

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichloroethene	8260B ⁽¹⁾	290	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JHC	11/04/2008	0078718-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<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

Lab Project ID: 08-8080
Lab Sample ID: 0810-4074
Client Sample ID: MW-14S
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

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	JHC	11/04/2008	0078718-1	<10
Benzene	8260B ⁽¹⁾	1.1	1.0	ug/l	JHC	11/04/2008	0078718-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	18	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	1100	20	ug/l	JHC	11/05/2008	0078774-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	20	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0

(Continued)

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Lab Sample ID: 0810-4074
Client Sample ID: MW-14S

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichloroethene	8260B ⁽¹⁾	820	20	ug/l	JHC	11/05/2008	0078774-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	86	2.0	ug/l	JHC	11/04/2008	0078718-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<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 Ref.: 41568140.40000

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Lab Project ID: 08-8080
Lab Sample ID: 0810-4075
Client Sample ID: MW-14D
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

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	JHC	11/04/2008	0078718-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	11/04/2008	0078718-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0

(Continued)

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Lab Sample ID: 0810-4075
Client Sample ID: MW-14D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	3.5	2.0	ug/l	JHC	11/04/2008	0078718-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<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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Lab Project ID: 08-8080
Lab Sample ID: 0810-4076
Client Sample ID: MW-15S
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

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	JHC	11/04/2008	0078718-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	11/04/2008	0078718-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	6.8	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0

(Continued)

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Lab Sample ID: 0810-4076

Client Sample ID: MW-15S

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichloroethene	8260B ⁽¹⁾	12	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JHC	11/04/2008	0078718-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<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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Lab Project ID: 08-8080
Lab Sample ID: 0810-4077
Client Sample ID: MW-15D
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

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	JHC	11/04/2008	0078718-1	<10
Benzene	8260B ⁽¹⁾	1.5	1.0	ug/l	JHC	11/04/2008	0078718-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	92	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	12000	200	ug/l	JHC	11/05/2008	0078774-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	160	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0

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Lab Sample ID: 0810-4077

Client Sample ID: MW-15D

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichloroethene	8260B ⁽¹⁾	7900	200	ug/l	JHC	11/05/2008	0078774-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	560	400	ug/l	JHC	11/05/2008	0078774-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<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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Mr. Mark Dowiak
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Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-8080
Lab Sample ID: 0810-4078
Client Sample ID: MW-8
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

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	JHC	11/05/2008	0078774-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	11/05/2008	0078774-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/05/2008	0078774-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	66	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/05/2008	0078774-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/05/2008	0078774-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0

(Continued)

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Lab Sample ID: 0810-4078

Client Sample ID: MW-8

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	13	2.0	ug/l	JHC	11/05/2008	0078774-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<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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Construction Services Division
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Client Site: Essex-Hope
Client Ref.: 41568140.40000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-8080
Lab Sample ID: 0810-4079
Client Sample ID: MW-6
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

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	JHC	11/05/2008	0078774-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	11/05/2008	0078774-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/05/2008	0078774-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	5.6	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/05/2008	0078774-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/05/2008	0078774-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0

(Continued)

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Lab Sample ID: 0810-4079

Client Sample ID: MW-6

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Trichloroethene	8260B ⁽¹⁾	13	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JHC	11/05/2008	0078774-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/05/2008	0078774-1	<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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Pittsburgh, PA 15220

Lab Project ID: 08-8080
Lab Sample ID: 0810-4080
Client Sample ID: MW-20
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

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	JHC	11/04/2008	0078717-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	JHC	11/04/2008	0078717-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	JHC	11/04/2008	0078717-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Cumene	8260B(1)	20	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	JHC	11/04/2008	0078717-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	JHC	11/04/2008	0078717-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0

(Continued)

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Lab Sample ID: 0810-4080
Client Sample ID: MW-20

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JHC	11/04/2008	0078717-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078717-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	44	5.0	ug/l	JHC	11/04/2008	0078717-1	<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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Lab Project ID: 08-8080
Lab Sample ID: 0810-4081
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 10/29/2008
Date Received: 10/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.40000

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	JHC	11/04/2008	0078718-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	11/04/2008	0078718-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Butanone	8260B ⁽¹⁾	13	10	ug/l	JHC	11/04/2008	0078718-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	11/04/2008	0078718-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0

(Continued)

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Lab Sample ID: 0810-4081
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JHC	11/04/2008	0078718-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	11/04/2008	0078718-1	<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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APPENDIX B-3

2008 MONTHLY POTW INFLUENT/EFFLUENT SAMPLE DATA

January 31, 2008

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 January 17, 2008. 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 08-0494 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0801-2216	Pre-Carb
0801-2217	Primary Eff
0801-2218	Post-Carb
0801-2222	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
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

Lab Project ID: 08-0494
Lab Sample ID: 0801-2216
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 01/16/2008
Date Received: 01/17/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	DRD	01/21/2008	0069846-1	<10
Benzene	8260B(1)	2.1	1.0	ug/l	DRD	01/21/2008	0069846-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	1300	20	ug/l	DRD	01/21/2008	0069846-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	7.6	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0

(Continued)

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Lab Sample ID: 0801-2216
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Trichloroethene	8260B ⁽¹⁾	420	20	ug/l	DRD	01/21/2008	0069846-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	220	2.0	ug/l	DRD	01/21/2008	0069846-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<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

Lab Project ID: 08-0494
Lab Sample ID: 0801-2217
Client Sample ID: Primary Eff
Sample Matrix: Aqueous

Date Sampled: 01/16/2008
Date Received: 01/17/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	DRD	01/21/2008	0069846-1	<10
Benzene	8260B(1)	<1.0	1.0	ug/l	DRD	01/21/2008	0069846-1	<1.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Cumene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,3-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,4-Dichlorobenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1-Dichloroethene	8260B(1)	7.7	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	2600	20	ug/l	DRD	01/21/2008	0069846-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	17	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0

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Lab Sample ID: 0801-2217
Client Sample ID: Primary Eff

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Trichloroethene	8260B ⁽¹⁾	44	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	140	2.0	ug/l	DRD	01/21/2008	0069846-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<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

Lab Project ID: 08-0494
Lab Sample ID: 0801-2218
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 01/16/2008
Date Received: 01/17/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	DRD	01/21/2008	0069846-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	DRD	01/21/2008	0069846-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	170	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0801-2218
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	460	20	ug/l	DRD	01/21/2008	0069846-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<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 0810-2218 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

Lab Project ID: 08-0494
Lab Sample ID: 0801-2222
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 01/16/2008
Date Received: 01/17/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	DRD	01/21/2008	0069846-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	DRD	01/21/2008	0069846-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	DRD	01/21/2008	0069846-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0

(Continued)

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Lab Sample ID: 0801-2222
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	DRD	01/21/2008	0069846-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	DRD	01/21/2008	0069846-1	<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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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Report To:	Company Name:	Attention:	Page:	of
Address:	Copy To:	Address:		1177463	
Email To:	Purchase Order No.:	Pace Quote Reference:			
Phone:	Project Name:	Pace Project Manager:			
Requested Due Date/TAT:	Project Number:	Pace Profile #:			
Section D Required Client Information		Requested Analysis Filtered (Y/N)			
Matrix Codes MATRIX I CODE Drinking Water DW Waste Water WT Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT					
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE					
Matrix Code (see valid codes to left)					
SAMPLE TYPE (G=GRAB C=COMP)					
COLLECTED					
COMPOSITE START					
COMPOSITE END/GRAB					
DATE					
TIME					
DATE					
TIME					
SAMPLE TEMP AT COLLECTION					
# OF CONTAINERS					
Unpreserved					
H ₂ SO ₄					
HCl					
NaOH					
Na ₂ S ₂ O ₃					
Methanol					
Other					
Analysis Test ↑					
Y/N					
Relinquished By / Affiliation		Date		Time	
Additional Comments		Date		Time	
Sample Project No. / Lab I.D.		Residual Chlorine (Y/N)			
Item #		Preservatives			
1		DW			
2		WT			
3		WW			
4		P			
5		SL			
6		OL			
7		WP			
8		AR			
9		TS			
10		OT			
11					
12					
SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER:		DATE Signed (MM/DD/YY):	
SIGNATURE OF SAMPLER:		SIGNATURE OF SAMPLER:		DATE Signed (MM/DD/YY):	
Temp in °C		Received on Ice (Y/N)		Custody Sealed Cooler (Y/N)	
Samples Intact (Y/N)					

March 14, 2008

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 29, 2008. 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 08-1523 when inquiring about this report.

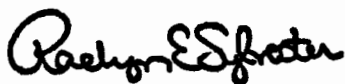
Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0802-4051	Pre-Carb
0802-4052	Primary Effluent
0802-4053	Post-Carb
0802-4054	TB-01

General Comments: Cooler temperature 3.2 ° 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

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

Lab Project ID: 08-1523
Lab Sample ID: 0802-4051
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 02/28/2008
Date Received: 02/29/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	03/04/2008	0071155-1	<10
Benzene	8260B ⁽¹⁾	4.8	1.0	ug/l	EAC	03/04/2008	0071155-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	13	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	2900	40	ug/l	EAC	03/05/2008	0071252-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	16	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0802-4051
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Trichloroethene	8260B ⁽¹⁾	1400	40	ug/l	EAC	03/05/2008	0071252-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	490	80	ug/l	EAC	03/05/2008	0071252-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<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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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-1523
Lab Sample ID: 0802-4052
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 02/28/2008
Date Received: 02/29/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	03/04/2008	0071155-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	03/04/2008	0071155-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	11	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3300	40	ug/l	EAC	03/05/2008	0071252-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	10	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0802-4052
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Trichloroethene	8260B ⁽¹⁾	100	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	460	80	ug/l	EAC	03/05/2008	0071252-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<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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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-1523
Lab Sample ID: 0802-4053
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 02/28/2008
Date Received: 02/29/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	03/04/2008	0071155-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	03/04/2008	0071155-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	340	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0802-4053
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	410	2.0	ug/l	EAC	03/04/2008	0071155-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<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 0802-4053 was composited from 4 samples prior to analysis.

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

Lab Project ID: 08-1523
Lab Sample ID: 0802-4054
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 02/28/2008
Date Received: 02/29/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	03/04/2008	0071155-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	03/04/2008	0071155-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	03/04/2008	0071155-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0802-4054
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	EAC	03/04/2008	0071155-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	03/04/2008	0071155-1	<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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Section A
Required Client Information:

Section B
Required Project Information:

Section C
 Invoice Information:REGULATORY AGENCY

DRINKING WATER _____
OTHER _____

Phone:	Fax:	Project Name:	Pace Project Manager:	Site Location
Requested Due Date/TAT:		Project Number:	Pace Profile #:	STATE:

[illegible]

2	SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	PRINT NAME of SAMPLER:					
	SIGNATURE of SAMPLER:					
DATE Signed (MM/DD/YYYY):						

April 7, 2008

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 26, 2008. 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 08-2343 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0803-4401	Pre-Carb
0803-4402	Primary Effluent
0803-4403	Post Carb
0803-4404	TB-01

General Comments: Cooler temperature 3.1° 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.: 41568140.10000

Lab Project ID: **08-2343**
Lab Sample ID: **0803-4401**
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 03/25/2008
Date Received: 03/26/2008

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	04/04/2008	0072244-1	<10
Benzene	8260B ⁽¹⁾	4.9	1.0	ug/l	MAK	04/04/2008	0072244-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	11	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	2900	40	ug/l	MAK	04/04/2008	0072244-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	15	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0803-4401
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Trichloroethene	8260B ⁽¹⁾	1300	40	ug/l	MAK	04/04/2008	0072244-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	430	80	ug/l	MAK	04/04/2008	0072244-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<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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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-2343
Lab Sample ID: 0803-4402
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 03/25/2008
Date Received: 03/26/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	04/04/2008	0072244-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	04/04/2008	0072244-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	11	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3300	40	ug/l	MAK	04/04/2008	0072244-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	11	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0803-4402
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Trichloroethene	8260B ⁽¹⁾	210	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	400	80	ug/l	MAK	04/04/2008	0072244-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<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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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.: 41568140.10000

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

Lab Project ID: 08-2343
Lab Sample ID: 0803-4403
Client Sample ID: Post Carb
Sample Matrix: Aqueous

Date Sampled: 03/25/2008
Date Received: 03/26/2008

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	04/04/2008	0072244-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	04/04/2008	0072244-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	1000	50	ug/l	MAK	04/04/2008	0072244-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0803-4403

Client Sample ID: Post Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	490	100	ug/l	MAK	04/04/2008	0072244-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<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 0803-4403 was composited from 4 samples prior to analysis.

REPORT OF LABORATORY ANALYSIS

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

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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

Lab Project ID: 08-2343
Lab Sample ID: 0803-4404
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 03/25/2008
Date Received: 03/26/2008

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	04/04/2008	0072244-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	04/04/2008	0072244-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/04/2008	0072244-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0803-4404
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	MAK	04/04/2008	0072244-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/04/2008	0072244-1	<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.

Section A

Required Client Information:

Company: Valerie's Supermarket
 Address: 10000 1st Ave S, Suite 100, Minneapolis, MN 55426
 Email To: valerie@valeriesupermarket.com
 Phone: 612-338-1234 Fax: 612-338-1234
 Requested Due Date/TAT: ASAP

Section B

Required Project Information:

Report To: Valerie's Supermarket
 Copy To: Valerie's Supermarket
 Purchase Order No.: 150000
 Project Name: Valerie's Supermarket
 Project Number: 150000

Section C

Invoice Information:

Attention: Valerie's Supermarket
 Company Name: Valerie's Supermarket
 Address: 10000 1st Ave S, Suite 100, Minneapolis, MN 55426
 Pace Quote Reference: 150000
 Pace Project Manager: Valerie's Supermarket
 Pace Profile #: 150000

REGULATORY AGENCY

NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐
 UST ☐ RCRA ☐ OTHER ☐

Site Location

STATE: NY

Requested Analysis Filtered (Y/N)

ITEM #	Matrix Codes MATRIX / CODE	Matrix Codes MATRIX / CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Temp in °C	Received on	Custody	Sealed Cooler	Samples Intact
				COMPOSITE START	COMPOSITE END/GRAB															
1	Drinking Water	DW	GRAB			11/11/10	12:30													
2	Waste Water	WW	GRAB			11/11/10	12:30													
3	Product	P	GRAB			11/11/10	12:30													
4	Soil/Solid	SL	GRAB			11/11/10	12:30													
5	Oil	OL	GRAB			11/11/10	12:30													
6	Wipe	WP	GRAB			11/11/10	12:30													
7	Air	AR	GRAB			11/11/10	12:30													
8	Tissue	TS	GRAB			11/11/10	12:30													
9	Other	OT	GRAB			11/11/10	12:30													
10																				
11																				
12																				

ADDITIONAL COMMENTS: Valerie's Supermarket

RELINQUISHED BY / AFFILIATION: Valerie's Supermarket DATE: 11/11/10 TIME: 12:30

ACCEPTED BY / AFFILIATION: Valerie's Supermarket DATE: 11/11/10 TIME: 12:30

DATE SIGNED (MM/DD/YY): 11/11/10

PRINT Name of SAMPLER: Valerie's Supermarket

SIGNATURE of SAMPLER: Valerie's Supermarket

SAMPLER NAME AND SIGNATURE: Valerie's Supermarket

Temp in °C: 11/11/10

Received on: 11/11/10

Custody: Valerie's Supermarket

Sealed Cooler: Valerie's Supermarket

Samples Intact: Valerie's Supermarket

April 30, 2008

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 18, 2008. 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 08-3003 when inquiring about this report.

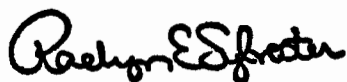
Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0804-2926	Pre-Carb
0804-2927	Primary-Eff
0804-2928	Post-Carb
0804-2929	TB-01

General Comments: Cooler temperature 3.1 ° 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

Lab Project ID: 08-3003
Lab Sample ID: 0804-2926
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 04/17/2008
Date Received: 04/18/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	04/29/2008	0073123-1	<10
Benzene	8260B ⁽¹⁾	3.2	1.0	ug/l	MAK	04/29/2008	0073123-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	7.9	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	2200	40	ug/l	MAK	04/29/2008	0073123-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	7.5	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0804-2926
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Trichloroethene	8260B ⁽¹⁾	370	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	350	2.0	ug/l	MAK	04/29/2008	0073123-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<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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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-3003
Lab Sample ID: 0804-2927
Client Sample ID: Primary-Eff
Sample Matrix: Aqueous

Date Sampled: 04/17/2008
Date Received: 04/18/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	04/29/2008	0073123-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	04/29/2008	0073123-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	11	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3400	40	ug/l	MAK	04/29/2008	0073123-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	9.3	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0804-2927

Client Sample ID: Primary-Eff

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Trichloroethene	8260B ⁽¹⁾	49	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	330	2.0	ug/l	MAK	04/29/2008	0073123-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<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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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-3003
Lab Sample ID: 0804-2928
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 04/17/2008
Date Received: 04/18/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	04/29/2008	0073123-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	04/29/2008	0073123-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	1300	10	ug/l	MAK	04/29/2008	0073123-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0804-2928

Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	490	20	ug/l	MAK	04/29/2008	0073123-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<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 0804-2928 was composited from 4 samples prior to analysis

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

Lab Project ID: 08-3003
Lab Sample ID: 0804-2929
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 04/17/2008
Date Received: 04/18/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	04/29/2008	0073123-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	04/29/2008	0073123-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	24	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	04/29/2008	0073123-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0804-2929

Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	MAK	04/29/2008	0073123-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	04/29/2008	0073123-1	<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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June 5, 2008

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 20, 2008. 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 08-3721 when inquiring about this report.

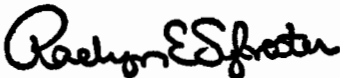
Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0805-2593	Pre-Carb
0805-2594	Primary Effluent
0805-2595	Post-Carb
0805-2596	Trip Blank

General Comments: Cooler temperature 3.4 ° 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
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

Lab Project ID: 08-3721
Lab Sample ID: 0805-2593
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 05/19/2008
Date Received: 05/20/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	05/30/2008	0073618-1	<10
Benzene	8260B ⁽¹⁾	5.0	1.0	ug/l	MAK	05/30/2008	0073618-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	17	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3700	40	ug/l	MAK	05/30/2008	0073618-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	24	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0805-2593
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Trichloroethene	8260B ⁽¹⁾	990	40	ug/l	MAK	05/30/2008	0073618-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	590	80	ug/l	MAK	05/30/2008	0073618-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<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

Lab Project ID: 08-3721
Lab Sample ID: 0805-2594
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 05/19/2008
Date Received: 05/20/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	05/30/2008	0073618-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	05/30/2008	0073618-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	17	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3700	40	ug/l	MAK	06/02/2008	0073631-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	19	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0805-2594
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Trichloroethene	8260B ⁽¹⁾	170	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	480	80	ug/l	MAK	06/02/2008	0073631-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<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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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-3721
Lab Sample ID: 0805-2595
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 05/19/2008
Date Received: 05/20/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	05/30/2008	0073618-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	05/30/2008	0073618-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3000	10	ug/l	MAK	05/30/2008	0073618-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0805-2595
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Trichloroethene	8260B ⁽¹⁾	5.3	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	570	20	ug/l	MAK	05/30/2008	0073618-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<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 0805-2595 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

Lab Project ID: 08-3721
Lab Sample ID: 0805-2596
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 05/19/2008
Date Received: 05/20/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	05/30/2008	0073618-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	05/30/2008	0073618-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	05/30/2008	0073618-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0805-2596
Client Sample ID: Trip Blank

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	MAK	05/30/2008	0073618-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	05/30/2008	0073618-1	<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.

Section A Required Client Information: Company: <u>Pace Analytical</u> Address: <u>10000 13th Ave S, Suite 100</u> Email To: <u>info@paceanalytical.com</u> Phone: <u>727-444-1000</u> Fax: <u>727-444-1001</u> Requested Due Date/TAT: <u>10/25/2007</u>		Section B Required Project Information: Report To: <u>Mr. John Doe</u> Copy To: <u>Ms. Jane Smith</u> Purchase Order No.: <u>PO-12345</u> Project Name: <u>Environmental Monitoring</u> Project Number: <u>10000-13</u>		Section C Invoice Information: Attention: <u>Mr. John Doe</u> Company Name: <u>Pace Analytical</u> Address: <u>10000 13th Ave S, Suite 100</u> Pace Quote Reference: <u>10000-13</u> Pace Project Manager: <u>John Doe</u> Pace Profile #: <u>10000-13</u>		Section D Regulatory Agency: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER Site Location: <u>10000 13th Ave S, Suite 100</u> STATE: <u>FL</u>	
--	--	--	--	--	--	--	--

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE Drinking Water DW Waste Water WT Waste Water Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↑ Y/N ↓	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No. / Lab I.D.
					COMPOSITE START	COMPOSITE END/GRAB			Unpreserved	H ₂ SO ₄	HCl	NaOH	Na ₂ SO ₃	Methanol	Other				
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS 1. All samples were collected and analyzed in accordance with the Chain-of-Custody protocol.		RELINQUISHED BY / AFFILIATION John Doe, Pace Analytical	DATE 10/25/2007	TIME 10:00 AM	ACCEPTED BY / AFFILIATION Jane Smith, Pace Analytical	DATE 10/25/2007	TIME 10:00 AM	Temp in °C 20	Received on 10/25/2007	Custody Sealed Cooler (Y/N) ☐	Samples Intact (Y/N) ☐
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <u>John Doe</u> SIGNATURE of SAMPLER: <u>[Signature]</u> DATE Signed (MM/DD/YY): <u>10/25/2007</u>											



Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

July 11, 2008

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, 2008. 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 08-4861 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0806-4747	Pre-Carb
0806-4748	Primary Effluent
0806-4749	Post-Carb
0806-4750	TB-01

General Comments: Cooler temperature 20.4 ° 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
Project Manager

REC: rdc

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

Lab Project ID: 08-4861
Lab Sample ID: 0806-4747
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 06/27/2008
Date Received: 06/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/08/2008	0074690-1	<10
Benzene	8260B ⁽¹⁾	3.8	1.0	ug/l	MAK	07/08/2008	0074690-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Carbon Disulfide	8260B ⁽¹⁾	11	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	8.4	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	1800	40	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	13	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0806-4747
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichloroethene	8260B ⁽¹⁾	290	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	260	2.0	ug/l	MAK	07/08/2008	0074690-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<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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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-4861
Lab Sample ID: 0806-4748
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 06/27/2008
Date Received: 06/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/08/2008	0074690-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/08/2008	0074690-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	61	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Sample ID: 0806-4748
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	8.0	2.0	ug/l	MAK	07/08/2008	0074690-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<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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EDITED IN ACCORDANCE

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.: 41568140.10000

Pace Analytical Services, Inc.
1638 Roseytown Rd
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Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-4861
Lab Sample ID: 0806-4749
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 06/27/2008
Date Received: 06/30/2008

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	07/08/2008	0074690-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/08/2008	0074690-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	140	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074690-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0806-4749
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	17	2.0	ug/l	MAK	07/08/2008	0074690-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074690-1	<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 0806-4749 was composited from 4 samples prior to analysis.

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

Lab Project ID: 08-4861
Lab Sample ID: 0806-4750
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 06/27/2008
Date Received: 06/30/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/08/2008	0074674-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/08/2008	0074674-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074674-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074674-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/08/2008	0074674-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0806-4750

Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	MAK	07/08/2008	0074674-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/08/2008	0074674-1	<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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August 5, 2008

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 25, 2008. 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 08-5466 when inquiring about this report.

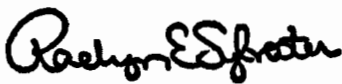
Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0807-3316	Pre-Carb
0807-3317	Primary-Eff
0807-3318	Post-Carb
0807-3322	TB-01

General Comments: Cooler temperature 11.3 ° 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

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.: 41568140.10000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-5466
Lab Sample ID: 0807-3316
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 07/24/2008
Date Received: 07/25/2008

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	07/30/2008	0075363-1	<10
Benzene	8260B ⁽¹⁾	5.3	1.0	ug/l	MAK	07/30/2008	0075363-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	17	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3800	40	ug/l	MAK	07/30/2008	0075363-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	28	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0807-3316

Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Trichloroethene	8260B ⁽¹⁾	950	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	450	80	ug/l	MAK	07/30/2008	0075363-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<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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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: **08-5466**
Lab Sample ID: **0807-3317**
Client Sample ID: Primary-Eff
Sample Matrix: Aqueous

Date Sampled: 07/24/2008
Date Received: 07/25/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/30/2008	0075363-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/30/2008	0075363-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	32	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0807-3317
Client Sample ID: Primary-Eff

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	250	2.0	ug/l	MAK	07/30/2008	0075363-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<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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Mr. Mark Dowiak
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Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: **08-5466**
Lab Sample ID: **0807-3318**
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 07/24/2008
Date Received: 07/25/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/30/2008	0075363-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/30/2008	0075363-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	61	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0807-3318

Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	3.6	2.0	ug/l	MAK	07/30/2008	0075363-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<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 0807-3318 was composited from 4 samples prior to analysis.

REPORT OF LABORATORY ANALYSIS

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Pittsburgh, PA 15220

Lab Project ID: 08-5466
Lab Sample ID: 0807-3322
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 07/24/2008
Date Received: 07/25/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	07/30/2008	0075363-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	MAK	07/30/2008	0075363-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	MAK	07/30/2008	0075363-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0807-3322

Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	MAK	07/30/2008	0075363-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	MAK	07/30/2008	0075363-1	<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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Section A Client Information:		Section B Project Information:		Section C Invoice Information:	
Company:	Report To:	Attention:	Page: of		
Address:	Copy To:	Company Name:			
Email To:	Purchase Order No.:	Address:			
Phone:	Project Name:	Pace Quote Reference:			
Fax:	Project Number:	Pace Project Manager:			
Requested Due Date/TAT:		Pace Profile #:			
		REGULATORY AGENCY			
		☐ NPDES	☐ GROUND WATER	☐ DRINKING WATER	
		☐ UST	☐ RCRA	☐ OTHER	
		Site Location			
		STATE:			

[illegible]

SAMPLER NAME AND SIGNATURE PRINT NAME of SAMPLER: SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 05/20/20		Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)

September 5, 2008

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 21, 2008. 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 08-6090 when inquiring about this report.

Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0808-2629	Pre-Carb
0808-2630	Primary-EFF
0808-2631	Post-Carb
0808-2635	TB-01

General Comments: Cooler temperature 6.1 ° C upon receipt. Ice was present.

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

Sincerely,


William E. Sylvester
Project Manager

EC: rec

Enclosures

Page 1 of ____

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

Lab Project ID: 08-6090
Lab Sample ID: 0808-2629
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 08/20/2008
Date Received: 08/21/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	09/02/2008	0076403-1	<10
Benzene	8260B ⁽¹⁾	7.5	1.0	ug/l	EAC	09/02/2008	0076403-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/02/2008	0076403-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	20	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	4300	20	ug/l	EAC	09/03/2008	0076417-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	20	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/02/2008	0076403-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/02/2008	0076403-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0

(Continued)

Lab Sample ID: 0808-2629
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Trichloroethene	8260B ⁽¹⁾	1600	20	ug/l	EAC	09/03/2008	0076417-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	490	40	ug/l	EAC	09/03/2008	0076417-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0

1) 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.

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

Lab Project ID: 08-6090
Lab Sample ID: 0808-2630
Client Sample ID: Primary-EFF
Sample Matrix: Aqueous

Date Sampled: 08/20/2008
Date Received: 08/21/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	09/02/2008	0076403-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	09/02/2008	0076403-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/02/2008	0076403-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	120	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/02/2008	0076403-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/02/2008	0076403-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0

(Continued)

Lab Sample ID: 0808-2630
Client Sample ID: Primary-EFF

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Trichloroethene	8260B ⁽¹⁾	6.6	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	400	2.0	ug/l	EAC	09/03/2008	0076417-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<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.

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

Lab Project ID: 08-6090
Lab Sample ID: 0808-2631
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 08/20/2008
Date Received: 08/21/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	09/02/2008	0076403-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	09/02/2008	0076403-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/02/2008	0076403-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	59	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/02/2008	0076403-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/02/2008	0076403-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0

Continued)

Lab Sample ID: 0808-2631

Client Sample ID: Post-Carb

Volatile (Cont.)

Styrene	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1,1-Trichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
1,1,2-Trichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Trichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Trichlorofluoromethane	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
Vinyl chloride	8260B(1)	39	2.0	ug/l	EAC	09/02/2008	0076403-1	<2.0
o-Xylene	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<5.0
m,p-Xylenes	8260B(1)	<5.0	5.0	ug/l	EAC	09/02/2008	0076403-1	<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 0808-2631 was composited from 4 samples prior to analysis.

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

Lab Project ID: 08-6090
Lab Sample ID: 0808-2635
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 08/20/2008
Date Received: 08/21/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	09/03/2008	0076417-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	EAC	09/03/2008	0076417-1	<1
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/03/2008	0076417-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/03/2008	0076417-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	EAC	09/03/2008	0076417-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0

(continued)

Lab Sample ID: 0808-2635
Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,1,1-Trichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
1,1,2-Trichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Trichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Trichlorofluoromethane	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
Vinyl chloride	8260B(1)	<2.0	2.0	ug/l	EAC	09/03/2008	0076417-1	<2.0
o-Xylene	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<5.0
m,p-Xylenes	8260B(1)	<5.0	5.0	ug/l	EAC	09/03/2008	0076417-1	<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.

October 3, 2008

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 25, 2008. 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 08-7113 when inquiring about this report.

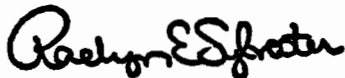
Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0809-4240	Pre-Carb
0809-4241	Primary - Effluent
0809-4242	Post-Carb
0809-4246	TB-01

General Comments: Cooler temperature 4.9 ° 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: tew

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.: 41568140.10000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-7113
Lab Sample ID: 0809-4240
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 09/24/2008
Date Received: 09/25/2008

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	JAS	09/30/2008	0077499-1	<10
Benzene	8260B ⁽¹⁾	7.9	1.0	ug/l	JAS	09/30/2008	0077499-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	09/30/2008	0077499-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	17	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	4300	20	ug/l	JAS	09/30/2008	0077499-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	44	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	09/30/2008	0077499-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	09/30/2008	0077499-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0809-4240
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Trichloroethene	8260B ⁽¹⁾	1400	20	ug/l	JAS	09/30/2008	0077499-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	680	40	ug/l	JAS	09/30/2008	0077499-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<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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Pace Analytical Services, Inc.
 1638 Roseytown Rd
 Suites 2, 3 & 4
 Greensburg, PA 15601
 Phone: 724.850.5600
 Fax: 724.850.5601

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

Lab Project ID: 08-7113
Lab Sample ID: 0809-4241
Client Sample ID: Primary - Effluent
Sample Matrix: Aqueous

Date Sampled: 09/24/2008
Date Received: 09/25/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	JAS	09/30/2008	0077499-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JAS	09/30/2008	0077499-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	09/30/2008	0077499-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	1100	20	ug/l	JAS	10/02/2008	0077601-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	09/30/2008	0077499-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	09/30/2008	0077499-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0809-4241
Client Sample ID: Primary - Effluent

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Trichloroethene	8260B ⁽¹⁾	60	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	760	40	ug/l	JAS	10/02/2008	0077601-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<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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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.: 41568140.10000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-7113
Lab Sample ID: 0809-4242
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 09/24/2008
Date Received: 09/25/2008

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	JAS	10/02/2008	0077601-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JAS	10/02/2008	0077601-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	10/02/2008	0077601-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	35	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	10/02/2008	0077601-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	10/02/2008	0077601-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0809-4242
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	290	2.0	ug/l	JAS	10/02/2008	0077601-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	10/02/2008	0077601-1	<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 samples prior to analysis.

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

Lab Project ID: 08-7113
Lab Sample ID: 0809-4246
Client Sample ID: TB-01
Sample Matrix: Aqueous

Date Sampled: 09/24/2008
Date Received: 09/25/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	JAS	09/30/2008	0077499-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JAS	09/30/2008	0077499-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	09/30/2008	0077499-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	09/30/2008	0077499-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JAS	09/30/2008	0077499-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0

(Continued)

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Lab Sample ID: 0809-4246

Client Sample ID: TB-01

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JAS	09/30/2008	0077499-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JAS	09/30/2008	0077499-1	<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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1.

November 11, 2008

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 28, 2008. 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 08-7991 when inquiring about this report.

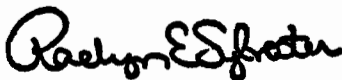
Client Site: Essex-Hope
Client Ref.: 41568140.10000

Pace Sample Identification	Client Sample Identification
0810-3723	Pre-Carb
0810-3724	Primary Effluent
0810-3725	Post-Carb
0810-3729	Trip Blank

General Comments: Cooler temperature 9.1° 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: tew

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.: 41568140.10000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-7991
Lab Sample ID: 0810-3723
Client Sample ID: Pre-Carb
Sample Matrix: Aqueous

Date Sampled: 10/27/2008
Date Received: 10/28/2008

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	JHC	10/30/2008	0078572-1	<10
Benzene	8260B ⁽¹⁾	9.9	1.0	ug/l	JHC	10/30/2008	0078572-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	15	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	3600	50	ug/l	JHC	10/31/2008	0078619-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	22	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0810-3723
Client Sample ID: Pre-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Trichloroethene	8260B ⁽¹⁾	1100	50	ug/l	JHC	10/31/2008	0078619-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	410	100	ug/l	JHC	10/31/2008	0078619-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<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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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.: 41568140.10000

Pace Analytical Services, Inc.
1638 Roseytown Rd
Suites 2, 3 & 4
Greensburg, PA 15601
Phone: 724.850.5600
Fax: 724.850.5601

Lab Project ID: 08-7991
Lab Sample ID: 0810-3724
Client Sample ID: Primary Effluent
Sample Matrix: Aqueous

Date Sampled: 10/27/2008
Date Received: 10/28/2008

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	JHC	10/30/2008	0078572-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	10/30/2008	0078572-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	6.1	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	2100	50	ug/l	JHC	10/31/2008	0078619-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	9.2	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0810-3724
Client Sample ID: Primary Effluent

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Trichloroethene	8260B ⁽¹⁾	44	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	460	100	ug/l	JHC	10/31/2008	0078619-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<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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Mr. Mark Dowiak
URS Corporation
Construction Services Division
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Lab Project ID: 08-7991
Lab Sample ID: 0810-3725
Client Sample ID: Post-Carb
Sample Matrix: Aqueous

Date Sampled: 10/27/2008
Date Received: 10/28/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	JHC	10/30/2008	0078572-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	10/30/2008	0078572-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	31	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0810-3725
Client Sample ID: Post-Carb

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	470	20	ug/l	JHC	10/31/2008	0078619-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<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 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

Lab Project ID: 08-7991
Lab Sample ID: 0810-3729
Client Sample ID: Trip Blank
Sample Matrix: Aqueous

Date Sampled: 10/27/2008
Date Received: 10/28/2008

Client Site: Essex-Hope
Client Ref.: 41568140.10000

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	JHC	10/30/2008	0078572-1	<10
Benzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	10/30/2008	0078572-1	<1.0
Bromodichloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Bromoform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Bromomethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
2-Butanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
Carbon Disulfide	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Carbon Tetrachloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloroform	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Chloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Cumene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Dibromochloromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,3-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,4-Dichlorobenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
cis-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
trans-1,2-Dichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,2-Dichloropropane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
cis-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
trans-1,3-Dichloropropene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
2-Hexanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
4-Methyl-2-pentanone	8260B ⁽¹⁾	<10	10	ug/l	JHC	10/30/2008	0078572-1	<10
Methylene chloride	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: 0810-3729
Client Sample ID: Trip Blank

Volatiles (Cont.)

Styrene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,2,2-Tetrachloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Tetrachloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Toluene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,1-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
1,1,2-Trichloroethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Trichloroethene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Trichlorofluoromethane	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
Vinyl chloride	8260B ⁽¹⁾	<2.0	2.0	ug/l	JHC	10/30/2008	0078572-1	<2.0
o-Xylene	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<5.0
m,p-Xylenes	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	10/30/2008	0078572-1	<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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Notes: ☐ this for ☐ acceptance ☐ payment to ☐ NET

DATE SIGNED (MM/DD/YYYY):

DATE SIGNED (MM/DD/YYYY):

SAMPLER NAME AND SIGNATURE:

PRINT Name of SAMPLER:

SIGNATURE OF SAMPLER:

Temp in °C:

Temp in °C:

Received on:

Received on:

Sealed Cooler (Y/N):

Sealed Cooler (Y/N):

Custody (Y/N):

Custody (Y/N):

ALL-G-00000007, 13-may-2007

ALL-G-00000007, 13-may-2007

Samples Intact (Y/N):

Samples Intact (Y/N):

within 30 days of receipt

within 30 days of receipt

December 10, 2008

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

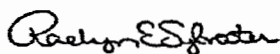
RE: Project: Essex/Hope Jamestown
Pace Project No.: 301489

Dear Mr. Dowiak:

Enclosed are the analytical results for sample(s) received by the laboratory on November 26, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raelyn Sylvester

raelyn.sylvester@pacelabs.com
Project Manager

Enclosures

cc: Ms. Valerie Sibeto, URS Corporation

REPORT OF LABORATORY ANALYSIS

Page 1 of 11

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SAMPLE ANALYTE COUNT

Project: Essex/Hope Jamestown

Pace Project No.: 301489

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
301489001	PRE-CARB	EPA 8260	JAS	42	PASI-PA
301489002	PRIMARY-EFF	EPA 8260	JAS	42	PASI-PA
301489003	POST-CARB	EPA 8260	JAS	42	PASI-PA
301489004	TB-01	EPA 8260	JAS	42	PASI-PA

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Essex/Hope Jamestown
Pace Project No.: 301489

Method: EPA 8260
Description: 8260 MSV
Client: URS Corporation
Date: December 10, 2008

General Information:

4 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

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

Initial Calibrations (Including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

QC Batch: MSV/1080

LO: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 4638)
 - Bromomethane
 - Chloroethane
 - Trichlorofluoromethane
- LCSD (Lab ID: 4639)
 - Bromomethane
 - Chloroethane
 - Trichlorofluoromethane

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

Page 3 of 11

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ANALYTICAL RESULTS

Project: Essex/Hope Jamestown

Pace Project No.: 301489

Sample: PRE-CARB		Lab ID: 301489001	Collected: 11/25/08 12:15	Received: 11/26/08 10:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/01/08 15:43	67-64-1	
Benzene	6.6	ug/L	1.0	1		12/01/08 15:43	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/01/08 15:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/01/08 15:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/01/08 15:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/01/08 15:43	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/01/08 15:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/01/08 15:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/01/08 15:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/01/08 15:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/01/08 15:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/01/08 15:43	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/01/08 15:43	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/01/08 15:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/01/08 15:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/01/08 15:43	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/01/08 15:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/01/08 15:43	107-06-2	
1,1-Dichloroethene	17.1	ug/L	5.0	1		12/01/08 15:43	75-35-4	
cis-1,2-Dichloroethene	4850	ug/L	250	50		12/02/08 16:19	156-59-2	
trans-1,2-Dichloroethene	69.4	ug/L	5.0	1		12/01/08 15:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/01/08 15:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/08 15:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/08 15:43	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/01/08 15:43	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/01/08 15:43	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/01/08 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/01/08 15:43	108-10-1	
Styrene	ND	ug/L	5.0	1		12/01/08 15:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/08 15:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/01/08 15:43	127-18-4	
Toluene	ND	ug/L	5.0	1		12/01/08 15:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/01/08 15:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/01/08 15:43	79-00-5	
Trichloroethene	1030	ug/L	250	50		12/02/08 16:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/01/08 15:43	75-69-4	
Vinyl chloride	601	ug/L	50.0	50		12/02/08 16:19	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/01/08 15:43	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/01/08 15:43	95-47-6	
4-Bromofluorobenzene (S)	107	%	70-130	1		12/01/08 15:43	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		12/01/08 15:43	17060-07-0	
Toluene-d8 (S)	109	%	70-130	1		12/01/08 15:43	2037-26-5	

ANALYTICAL RESULTS

Project: Essex/Hope Jamestown

Pace Project No.: 301489

Sample: PRIMARY-EFF		Lab ID: 301489002	Collected: 11/25/08 12:20	Received: 11/26/08 10:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/01/08 16:08	67-64-1	
Benzene	ND	ug/L	1.0	1		12/01/08 16:08	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/01/08 16:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/01/08 16:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/01/08 16:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/01/08 16:08	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/01/08 16:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/01/08 16:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/01/08 16:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/01/08 16:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/01/08 16:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/01/08 16:08	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/01/08 16:08	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/01/08 16:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/01/08 16:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/01/08 16:08	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/01/08 16:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/01/08 16:08	107-06-2	
1,1-Dichloroethene	10.1	ug/L	5.0	1		12/01/08 16:08	75-35-4	
cis-1,2-Dichloroethene	3300	ug/L	200	40		12/02/08 16:44	156-59-2	
trans-1,2-Dichloroethene	22.2	ug/L	5.0	1		12/01/08 16:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/01/08 16:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/08 16:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/08 16:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/01/08 16:08	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/01/08 16:08	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/01/08 16:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/01/08 16:08	108-10-1	
Styrene	ND	ug/L	5.0	1		12/01/08 16:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/08 16:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/01/08 16:08	127-18-4	
Toluene	ND	ug/L	5.0	1		12/01/08 16:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/01/08 16:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/01/08 16:08	79-00-5	
Trichloroethene	52.5	ug/L	5.0	1		12/01/08 16:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/01/08 16:08	75-69-4	
Vinyl chloride	716	ug/L	40.0	40		12/02/08 16:44	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/01/08 16:08	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/01/08 16:08	95-47-6	
4-Bromofluorobenzene (S)	111	%	70-130	1		12/01/08 16:08	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		12/01/08 16:08	17060-07-0	
Toluene-d8 (S)	104	%	70-130	1		12/01/08 16:08	2037-26-5	

ANALYTICAL RESULTS

Project: Essex/Hope Jamestown

Pace Project No.: 301489

Sample: POST-CARB		Lab ID: 301489003	Collected: 11/25/08 12:25	Received: 11/26/08 10:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		10.0	1		12/01/08 16:34	67-64-1	
Benzene	ND ug/L		1.0	1		12/01/08 16:34	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		12/01/08 16:34	75-27-4	
Bromoform	ND ug/L		5.0	1		12/01/08 16:34	75-25-2	
Bromomethane	ND ug/L		5.0	1		12/01/08 16:34	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		12/01/08 16:34	78-93-3	
Carbon disulfide	ND ug/L		5.0	1		12/01/08 16:34	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		12/01/08 16:34	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		12/01/08 16:34	108-90-7	
Chloroethane	ND ug/L		5.0	1		12/01/08 16:34	75-00-3	
Chloroform	ND ug/L		5.0	1		12/01/08 16:34	67-66-3	
Chloromethane	ND ug/L		5.0	1		12/01/08 16:34	74-87-3	
Dibromochloromethane	ND ug/L		5.0	1		12/01/08 16:34	124-48-1	
1,2-Dichlorobenzene	ND ug/L		5.0	1		12/01/08 16:34	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		12/01/08 16:34	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		12/01/08 16:34	106-46-7	
1,1-Dichloroethane	ND ug/L		5.0	1		12/01/08 16:34	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		12/01/08 16:34	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		12/01/08 16:34	75-35-4	
cis-1,2-Dichloroethene	23.8 ug/L		5.0	1		12/01/08 16:34	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		12/01/08 16:34	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		12/01/08 16:34	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		12/01/08 16:34	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		12/01/08 16:34	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		12/01/08 16:34	100-41-4	
2-Hexanone	ND ug/L		10.0	1		12/01/08 16:34	591-78-6	
Methylene Chloride	ND ug/L		5.0	1		12/01/08 16:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		12/01/08 16:34	108-10-1	
Styrene	ND ug/L		5.0	1		12/01/08 16:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		12/01/08 16:34	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		12/01/08 16:34	127-18-4	
Toluene	ND ug/L		5.0	1		12/01/08 16:34	108-88-3	
1,1,1-Trichloroethane	ND ug/L		5.0	1		12/01/08 16:34	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		12/01/08 16:34	79-00-5	
Trichloroethene	ND ug/L		5.0	1		12/01/08 16:34	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		12/01/08 16:34	75-69-4	
Vinyl chloride	620 ug/L		10.0	10		12/02/08 17:09	75-01-4	
m&p-Xylene	ND ug/L		5.0	1		12/01/08 16:34	1330-20-7	
o-Xylene	ND ug/L		5.0	1		12/01/08 16:34	95-47-6	
4-Bromofluorobenzene (S)	112 %		70-130	1		12/01/08 16:34	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		70-130	1		12/01/08 16:34	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		12/01/08 16:34	2037-26-5	

ANALYTICAL RESULTS

Project: Essex/Hope Jamestown

Pace Project No.: 301489

Sample: TB-01		Lab ID: 301489004	Collected: 11/25/08 00:00	Received: 11/26/08 10:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/01/08 16:59	67-64-1	
Benzene	ND	ug/L	1.0	1		12/01/08 16:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/01/08 16:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/01/08 16:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/01/08 16:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/01/08 16:59	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/01/08 16:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/01/08 16:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/01/08 16:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/01/08 16:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/01/08 16:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/01/08 16:59	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/01/08 16:59	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/01/08 16:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/01/08 16:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/01/08 16:59	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/01/08 16:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/01/08 16:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/01/08 16:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/08 16:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/01/08 16:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/01/08 16:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/08 16:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/01/08 16:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/01/08 16:59	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/01/08 16:59	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/01/08 16:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/01/08 16:59	108-10-1	
Styrene	ND	ug/L	5.0	1		12/01/08 16:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/01/08 16:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/01/08 16:59	127-18-4	
Toluene	ND	ug/L	5.0	1		12/01/08 16:59	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/01/08 16:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/01/08 16:59	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/01/08 16:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/01/08 16:59	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/01/08 16:59	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/01/08 16:59	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/01/08 16:59	95-47-6	
4-Bromofluorobenzene (S)	113	%	70-130	1		12/01/08 16:59	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		12/01/08 16:59	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		12/01/08 16:59	2037-26-5	

QUALITY CONTROL DATA

Project: Essex/Hope Jamestown
Pace Project No.: 301489

QC Batch: MSV/1080 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 301489001, 301489002, 301489003, 301489004

METHOD BLANK: 4637 Matrix: Water

Associated Lab Samples: 301489001, 301489002, 301489003, 301489004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	12/01/08 13:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/01/08 13:35	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/01/08 13:35	
1,1-Dichloroethane	ug/L	ND	5.0	12/01/08 13:35	
1,1-Dichloroethene	ug/L	ND	5.0	12/01/08 13:35	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/01/08 13:35	
1,2-Dichloroethane	ug/L	ND	5.0	12/01/08 13:35	
1,2-Dichloropropane	ug/L	ND	5.0	12/01/08 13:35	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/01/08 13:35	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/01/08 13:35	
2-Butanone (MEK)	ug/L	ND	10.0	12/01/08 13:35	
2-Hexanone	ug/L	ND	10.0	12/01/08 13:35	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/01/08 13:35	
Acetone	ug/L	ND	10.0	12/01/08 13:35	
Benzene	ug/L	ND	1.0	12/01/08 13:35	
Bromodichloromethane	ug/L	ND	5.0	12/01/08 13:35	
Bromoform	ug/L	ND	5.0	12/01/08 13:35	
Bromomethane	ug/L	ND	5.0	12/01/08 13:35	
Carbon disulfide	ug/L	ND	5.0	12/01/08 13:35	
Carbon tetrachloride	ug/L	ND	5.0	12/01/08 13:35	
Chlorobenzene	ug/L	ND	5.0	12/01/08 13:35	
Chloroethane	ug/L	ND	5.0	12/01/08 13:35	
Chloroform	ug/L	ND	5.0	12/01/08 13:35	
Chloromethane	ug/L	ND	5.0	12/01/08 13:35	
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/01/08 13:35	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/01/08 13:35	
Dibromochloromethane	ug/L	ND	5.0	12/01/08 13:35	
Ethylbenzene	ug/L	ND	5.0	12/01/08 13:35	
m&p-Xylene	ug/L	ND	5.0	12/01/08 13:35	
Methylene Chloride	ug/L	ND	5.0	12/01/08 13:35	
o-Xylene	ug/L	ND	5.0	12/01/08 13:35	
Styrene	ug/L	ND	5.0	12/01/08 13:35	
Tetrachloroethene	ug/L	ND	5.0	12/01/08 13:35	
Toluene	ug/L	ND	5.0	12/01/08 13:35	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/01/08 13:35	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/01/08 13:35	
Trichloroethene	ug/L	ND	5.0	12/01/08 13:35	
Trichlorofluoromethane	ug/L	ND	5.0	12/01/08 13:35	
Vinyl chloride	ug/L	ND	1.0	12/01/08 13:35	
1,2-Dichloroethane-d4 (S)	%	103	70-130	12/01/08 13:35	
4-Bromofluorobenzene (S)	%	111	70-130	12/01/08 13:35	
Toluene-d8 (S)	%	101	70-130	12/01/08 13:35	

QUALITY CONTROL DATA

Project: Essex/Hope Jamestown

Pace Project No.: 301489

LABORATORY CONTROL SAMPLE & LCSD: 4638			4639							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.9	21.5	109	108	70-130	2	30	
1,1,2,2-Tetrachloroethane	ug/L	20	20.9	21.1	104	106	70-130	1	30	
1,1,2-Trichloroethane	ug/L	20	21.8	21.9	109	109	70-130	.5	30	
1,1-Dichloroethane	ug/L	20	20.5	20.2	102	101	70-130	1	30	
1,1-Dichloroethene	ug/L	20	20.1	19.3	100	97	70-130	4	30	
1,2-Dichlorobenzene	ug/L	20	20.2	20.5	101	103	70-130	2	30	
1,2-Dichloroethane	ug/L	20	20.1	19.7	101	98	70-130	2	30	
1,2-Dichloropropane	ug/L	20	20.7	20.7	104	103	70-130	.4	30	
1,3-Dichlorobenzene	ug/L	20	20.6	20.9	103	104	70-130	2	30	
1,4-Dichlorobenzene	ug/L	20	20.4	20.3	102	101	70-130	.4	30	
2-Butanone (MEK)	ug/L	20	17.8	17.8	89	89	70-130	.3	30	
2-Hexanone	ug/L	20	19.7	19.0	98	95	70-130	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.1	19.9	100	99	70-130	.9	30	
Acetone	ug/L	20	16.7	16.0	84	80	70-130	4	30	
Benzene	ug/L	20	20.6	20.6	103	103	70-130	.09	30	
Bromodichloromethane	ug/L	20	19.7	19.9	99	100	70-130	1	30	
Bromoform	ug/L	20	20.8	21.2	104	106	70-130	2	30	
Bromomethane	ug/L	20	11.4	10.6	57	53	70-130	7	30	L0
Carbon disulfide	ug/L	20	15.7	16.6	79	83	70-130	5	30	
Carbon tetrachloride	ug/L	20	21.9	22.1	110	110	70-130	.6	30	
Chlorobenzene	ug/L	20	21.1	21.2	105	106	70-130	.7	30	
Chloroethane	ug/L	20	32.2	30.6	161	153	70-130	5	30	L0
Chloroform	ug/L	20	21.6	22.0	108	110	70-130	2	30	
Chloromethane	ug/L	20	22.0	21.7	110	109	70-130	1	30	
cis-1,2-Dichloroethene	ug/L	20	20.7	20.7	104	104	70-130	.07	30	
cis-1,3-Dichloropropene	ug/L	20	19.6	19.8	98	99	70-130	1	30	
Dibromochloromethane	ug/L	20	20.1	20.0	101	100	70-130	.5	30	
Ethylbenzene	ug/L	20	20.1	20.7	100	103	70-130	3	30	
m&p-Xylene	ug/L	40	43.1	43.8	108	110	70-130	2	30	
Methylene Chloride	ug/L	20	21.9	21.8	109	109	70-130	.5	30	
o-Xylene	ug/L	20	20.0	21.0	100	105	70-130	5	30	
Styrene	ug/L	20	19.4	19.6	97	98	70-130	1	30	
Tetrachloroethene	ug/L	20	20.0	20.8	100	104	70-130	4	30	
Toluene	ug/L	20	20.6	20.8	103	104	70-130	.9	30	
trans-1,2-Dichloroethene	ug/L	20	19.8	20.5	99	102	70-130	3	30	
trans-1,3-Dichloropropene	ug/L	20	20.2	19.9	101	99	70-130	1	30	
Trichloroethene	ug/L	20	19.7	19.3	98	96	70-130	2	30	
Trichlorofluoromethane	ug/L	20	12.6	13.4	63	67	70-130	6	30	L0
Vinyl chloride	ug/L	20	21.7	23.1	108	116	70-130	7	30	
1,2-Dichloroethane-d4 (S)	%				105	110	70-130			
4-Bromofluorobenzene (S)	%				102	107	70-130			
Toluene-d8 (S)	%				110	111	70-130			

QUALIFIERS

Project: Essex/Hope Jamestown
Pace Project No.: 301489

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Essex/Hope Jamestown

Pace Project No.: 301489

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
301489001	PRE-CARB	EPA 8260	MSV/1080		
301489002	PRIMARY-EFF	EPA 8260	MSV/1080		
301489003	POST-CARB	EPA 8260	MSV/1080		
301489004	TB-01	EPA 8260	MSV/1080		

[illegible]



Sample Condition Upon Receipt

Client Name: URS

Project # 301489

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8050 4453 9178

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 3 4

Type of Ice: Wet Blue None

☐ Samples on ice, cooling process has begun

Cooler Temperature 7.9

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: JP 11/26/08

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>Ag</u>		
All containers needing preservation have been checked.	☐ Yes ☐ No ☒ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes ☐ No ☒ N/A	
exceptions: <u>VOA</u> , coliform, TOC, O&G, Wt-DRO (water)	☒ Yes ☐ No	Initial when completed <u>JP</u> Lot # of added preservative
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
Headspace in VOA Vials (>6mm):	☐ Yes ☒ No ☐ N/A	15.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	16.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Rachyn E. Shuter

Date: 12/1/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



December 24, 2008

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

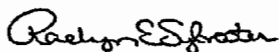
RE: Project: Essex/Hope Jamestown
Pace Project No.: 302283

Dear Mr. Dowiak:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raelyn Sylvester

raelyn.sylvester@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Essex/Hope Jamestown
Pace Project No.: 302283

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
302283001	Pre-Carb	EPA 8260	JAS	42	PASI-PA
302283002	Primary-Eff	EPA 8260	JAS	42	PASI-PA
302283003	Post Carb	EPA 8260	JAS	42	PASI-PA
302283004	TB-01	EPA 8260	JAS	42	PASI-PA

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Essex/Hope Jamestown
Pace Project No.: 302283

Sample: Pre-Carb		Lab ID: 302283001	Collected: 12/11/08 09:15	Received: 12/12/08 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	35.9	ug/L	10.0	1		12/16/08 19:49	67-64-1	
Benzene	9.8	ug/L	1.0	1		12/16/08 19:49	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/16/08 19:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/16/08 19:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/16/08 19:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/16/08 19:49	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/16/08 19:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/16/08 19:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/16/08 19:49	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/16/08 19:49	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/16/08 19:49	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/16/08 19:49	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/16/08 19:49	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 19:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 19:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 19:49	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/16/08 19:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/16/08 19:49	107-06-2	
1,1-Dichloroethene	11.3	ug/L	5.0	1		12/16/08 19:49	75-35-4	
cis-1,2-Dichloroethene	3330	ug/L	200	40		12/16/08 20:14	156-59-2	
trans-1,2-Dichloroethene	44.0	ug/L	5.0	1		12/16/08 19:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/16/08 19:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/16/08 19:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/16/08 19:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/16/08 19:49	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/16/08 19:49	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/16/08 19:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/16/08 19:49	108-10-1	
Styrene	ND	ug/L	5.0	1		12/16/08 19:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/16/08 19:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/16/08 19:49	127-18-4	
Toluene	ND	ug/L	5.0	1		12/16/08 19:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/16/08 19:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/16/08 19:49	79-00-5	
Trichloroethene	1700	ug/L	200	40		12/16/08 20:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/16/08 19:49	75-69-4	
Vinyl chloride	343	ug/L	1.0	1		12/16/08 19:49	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/16/08 19:49	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/16/08 19:49	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130	1		12/16/08 19:49	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		12/16/08 19:49	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		12/16/08 19:49	2037-26-5	

ANALYTICAL RESULTS

Project: Essex/Hope Jamestown
Pace Project No.: 302283

Sample: Primary-Eff		Lab ID: 302283002	Collected: 12/11/08 09:20		Received: 12/12/08 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/16/08 20:39	67-64-1	
Benzene	ND	ug/L	1.0	1		12/16/08 20:39	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/16/08 20:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/16/08 20:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/16/08 20:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/16/08 20:39	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/16/08 20:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/16/08 20:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/16/08 20:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/16/08 20:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/16/08 20:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/16/08 20:39	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/16/08 20:39	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 20:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 20:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 20:39	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/16/08 20:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/16/08 20:39	107-06-2	
1,1-Dichloroethene	7.9	ug/L	5.0	1		12/16/08 20:39	75-35-4	
cis-1,2-Dichloroethene	3330	ug/L	200	40		12/16/08 21:05	156-59-2	
trans-1,2-Dichloroethene	25.1	ug/L	5.0	1		12/16/08 20:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/16/08 20:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/16/08 20:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/16/08 20:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/16/08 20:39	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/16/08 20:39	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/16/08 20:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/16/08 20:39	108-10-1	
Styrene	ND	ug/L	5.0	1		12/16/08 20:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/16/08 20:39	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/16/08 20:39	127-18-4	
Toluene	ND	ug/L	5.0	1		12/16/08 20:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/16/08 20:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/16/08 20:39	79-00-5	
Trichloroethene	52.6	ug/L	5.0	1		12/16/08 20:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/16/08 20:39	75-69-4	
Vinyl chloride	385	ug/L	1.0	1		12/16/08 20:39	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/16/08 20:39	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/16/08 20:39	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130	1		12/16/08 20:39	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		12/16/08 20:39	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		12/16/08 20:39	2037-26-5	

ANALYTICAL RESULTS

Project: Essex/Hope Jamestown
Pace Project No.: 302283

Sample: Post Carb		Lab ID: 302283003	Collected: 12/11/08 10:55	Received: 12/12/08 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/16/08 21:30	67-64-1	
Benzene	ND	ug/L	1.0	1		12/16/08 21:30	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/16/08 21:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/16/08 21:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/16/08 21:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/16/08 21:30	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/16/08 21:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/16/08 21:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/16/08 21:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/16/08 21:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/16/08 21:30	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/16/08 21:30	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/16/08 21:30	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 21:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 21:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 21:30	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/16/08 21:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/16/08 21:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/16/08 21:30	75-35-4	
cis-1,2-Dichloroethene	26.7	ug/L	5.0	1		12/16/08 21:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/16/08 21:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/16/08 21:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/16/08 21:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/16/08 21:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/16/08 21:30	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/16/08 21:30	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/16/08 21:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/16/08 21:30	108-10-1	
Styrene	ND	ug/L	5.0	1		12/16/08 21:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/16/08 21:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/16/08 21:30	127-18-4	
Toluene	ND	ug/L	5.0	1		12/16/08 21:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/16/08 21:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/16/08 21:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/16/08 21:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/16/08 21:30	75-69-4	
Vinyl chloride	318	ug/L	1.0	1		12/16/08 21:30	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/16/08 21:30	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/16/08 21:30	95-47-6	
4-Bromofluorobenzene (S)	97	%	70-130	1		12/16/08 21:30	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		12/16/08 21:30	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		12/16/08 21:30	2037-26-5	

ANALYTICAL RESULTS

Project: Essex/Hope Jamestown
Pace Project No.: 302283

Sample: TB-01		Lab ID: 302283004	Collected: 12/11/08 00:00	Received: 12/12/08 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	10.0	1		12/16/08 22:21	67-64-1	
Benzene	ND	ug/L	1.0	1		12/16/08 22:21	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		12/16/08 22:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		12/16/08 22:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		12/16/08 22:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/16/08 22:21	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		12/16/08 22:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		12/16/08 22:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		12/16/08 22:21	108-90-7	
Chloroethane	ND	ug/L	5.0	1		12/16/08 22:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		12/16/08 22:21	67-66-3	
Chloromethane	ND	ug/L	5.0	1		12/16/08 22:21	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		12/16/08 22:21	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 22:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 22:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		12/16/08 22:21	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		12/16/08 22:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		12/16/08 22:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		12/16/08 22:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		12/16/08 22:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		12/16/08 22:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		12/16/08 22:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		12/16/08 22:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		12/16/08 22:21	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		12/16/08 22:21	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		12/16/08 22:21	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		12/16/08 22:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/16/08 22:21	108-10-1	
Styrene	ND	ug/L	5.0	1		12/16/08 22:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		12/16/08 22:21	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		12/16/08 22:21	127-18-4	
Toluene	ND	ug/L	5.0	1		12/16/08 22:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		12/16/08 22:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		12/16/08 22:21	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		12/16/08 22:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		12/16/08 22:21	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/16/08 22:21	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		12/16/08 22:21	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		12/16/08 22:21	95-47-6	
4-Bromofluorobenzene (S)	95 %		70-130	1		12/16/08 22:21	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		70-130	1		12/16/08 22:21	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		12/16/08 22:21	2037-26-5	

QUALITY CONTROL DATA

Project: Essex/Hope Jamestown
Pace Project No.: 302283

QC Batch: MSV/1238 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 302283001, 302283002, 302283003, 302283004

METHOD BLANK: 10691 Matrix: Water

Associated Lab Samples: 302283001, 302283002, 302283003, 302283004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	12/16/08 14:19	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	12/16/08 14:19	
1,1,2-Trichloroethane	ug/L	ND	5.0	12/16/08 14:19	
1,1-Dichloroethane	ug/L	ND	5.0	12/16/08 14:19	
1,1-Dichloroethene	ug/L	ND	5.0	12/16/08 14:19	
1,2-Dichlorobenzene	ug/L	ND	5.0	12/16/08 14:19	
1,2-Dichloroethane	ug/L	ND	5.0	12/16/08 14:19	
1,2-Dichloropropane	ug/L	ND	5.0	12/16/08 14:19	
1,3-Dichlorobenzene	ug/L	ND	5.0	12/16/08 14:19	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/16/08 14:19	
2-Butanone (MEK)	ug/L	ND	10.0	12/16/08 14:19	
2-Hexanone	ug/L	ND	10.0	12/16/08 14:19	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/16/08 14:19	
Acetone	ug/L	ND	10.0	12/16/08 14:19	
Benzene	ug/L	ND	1.0	12/16/08 14:19	
Bromodichloromethane	ug/L	ND	5.0	12/16/08 14:19	
Bromoform	ug/L	ND	5.0	12/16/08 14:19	
Bromomethane	ug/L	ND	5.0	12/16/08 14:19	
Carbon disulfide	ug/L	ND	5.0	12/16/08 14:19	
Carbon tetrachloride	ug/L	ND	5.0	12/16/08 14:19	
Chlorobenzene	ug/L	ND	5.0	12/16/08 14:19	
Chloroethane	ug/L	ND	5.0	12/16/08 14:19	
Chloroform	ug/L	ND	5.0	12/16/08 14:19	
Chloromethane	ug/L	ND	5.0	12/16/08 14:19	
cis-1,2-Dichloroethene	ug/L	ND	5.0	12/16/08 14:19	
cis-1,3-Dichloropropene	ug/L	ND	5.0	12/16/08 14:19	
Dibromochloromethane	ug/L	ND	5.0	12/16/08 14:19	
Ethylbenzene	ug/L	ND	5.0	12/16/08 14:19	
m&p-Xylene	ug/L	ND	5.0	12/16/08 14:19	
Methylene Chloride	ug/L	ND	5.0	12/16/08 14:19	
o-Xylene	ug/L	ND	5.0	12/16/08 14:19	
Styrene	ug/L	ND	5.0	12/16/08 14:19	
Tetrachloroethene	ug/L	ND	5.0	12/16/08 14:19	
Toluene	ug/L	ND	5.0	12/16/08 14:19	
trans-1,2-Dichloroethene	ug/L	ND	5.0	12/16/08 14:19	
trans-1,3-Dichloropropene	ug/L	ND	5.0	12/16/08 14:19	
Trichloroethene	ug/L	ND	5.0	12/16/08 14:19	
Trichlorofluoromethane	ug/L	ND	5.0	12/16/08 14:19	
Vinyl chloride	ug/L	ND	1.0	12/16/08 14:19	
1,2-Dichloroethane-d4 (S)	%	99	70-130	12/16/08 14:19	
4-Bromofluorobenzene (S)	%	96	70-130	12/16/08 14:19	
Toluene-d8 (S)	%	94	70-130	12/16/08 14:19	

Date: 12/24/2008 11:17 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Essex/Hope Jamestown
Pace Project No.: 302283

LABORATORY CONTROL SAMPLE & LCSD: 10692			10693							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.6	19.5	98	97	70-130	.4	30	
1,1,2,2-Tetrachloroethane	ug/L	20	16.8	16.6	84	83	70-130	1	30	
1,1,2-Trichloroethane	ug/L	20	18.3	18.6	92	93	70-130	1	30	
1,1-Dichloroethane	ug/L	20	18.3	17.9	92	90	70-130	2	30	
1,1-Dichloroethene	ug/L	20	15.7	15.5	79	77	70-130	2	30	
1,2-Dichlorobenzene	ug/L	20	18.5	18.3	92	92	70-130	.7	30	
1,2-Dichloroethane	ug/L	20	18.6	18.9	93	94	70-130	1	30	
1,2-Dichloropropane	ug/L	20	17.0	17.0	85	85	70-130	.1	30	
1,3-Dichlorobenzene	ug/L	20	18.2	17.9	91	90	70-130	2	30	
1,4-Dichlorobenzene	ug/L	20	18.2	18.0	91	90	70-130	1	30	
2-Butanone (MEK)	ug/L	20	19.9	19.2	99	96	70-130	4	30	
2-Hexanone	ug/L	20	17.8	17.9	89	89	70-130	.6	30	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.8	19.2	94	96	70-130	2	30	
Acetone	ug/L	20	22.5	20.6	113	103	70-130	9	30	
Benzene	ug/L	20	17.1	17.0	86	85	70-130	.8	30	
Bromodichloromethane	ug/L	20	16.8	16.4	84	82	70-130	2	30	
Bromoform	ug/L	20	16.0	16.0	80	80	70-130	.01	30	
Bromomethane	ug/L	20	11.6	14.4	58	72	70-130	21	30	L0
Carbon disulfide	ug/L	20	15.7	15.0	78	75	70-130	4	30	
Carbon tetrachloride	ug/L	20	17.9	18.0	89	90	70-130	.6	30	
Chlorobenzene	ug/L	20	18.1	17.9	91	90	70-130	1	30	
Chloroethane	ug/L	20	14.7	14.7	73	73	70-130	.1	30	
Chloroform	ug/L	20	19.2	19.1	96	95	70-130	.9	30	
Chloromethane	ug/L	20	19.9	18.9	100	95	70-130	5	30	
cis-1,2-Dichloroethene	ug/L	20	19.2	18.9	96	94	70-130	2	30	
cis-1,3-Dichloropropene	ug/L	20	16.5	16.4	83	82	70-130	.7	30	
Dibromochloromethane	ug/L	20	16.6	16.4	83	82	70-130	1	30	
Ethylbenzene	ug/L	20	18.0	17.9	90	90	70-130	.3	30	
m&p-Xylene	ug/L	40	37.7	37.7	94	94	70-130	.1	30	
Methylene Chloride	ug/L	20	18.4	18.7	92	93	70-130	2	30	
o-Xylene	ug/L	20	18.3	18.2	92	91	70-130	1	30	
Styrene	ug/L	20	18.4	18.3	92	91	70-130	.5	30	
Tetrachloroethene	ug/L	20	18.3	18.5	92	93	70-130	1	30	
Toluene	ug/L	20	17.8	17.8	89	89	70-130	.3	30	
trans-1,2-Dichloroethene	ug/L	20	17.5	17.4	87	87	70-130	.5	30	
trans-1,3-Dichloropropene	ug/L	20	17.3	17.4	86	87	70-130	.9	30	
Trichloroethene	ug/L	20	17.2	17.1	86	85	70-130	.8	30	
Trichlorofluoromethane	ug/L	20	17.7	17.6	88	88	70-130	.3	30	
Vinyl chloride	ug/L	20	20.2	19.6	101	98	70-130	3	30	
1,2-Dichloroethane-d4 (S)	%				100	100	70-130			
4-Bromofluorobenzene (S)	%				97	98	70-130			
Toluene-d8 (S)	%				96	96	70-130			

QUALIFIERS

Project: Essex/Hope Jamestown
Pace Project No.: 302283

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Essex/Hope Jamestown
Pace Project No.: 302283

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
302283001	Pre-Carb	EPA 8260	MSV/1238		
302283002	Primary-Eff	EPA 8260	MSV/1238		
302283003	Post Carb	EPA 8260	MSV/1238		
302283004	TB-01	EPA 8260	MSV/1238		