MFM –

URS

July 30, 2009

Mr. Randall Peterson, P.E.
Engineering & Operations Manager
Division of Wastewater/Solid Waste
Jamestown Board of Public Utilities
P.O. Box 700
Jamestown, NY 14702-0700

Subject: **Essex/Hope Site**
Semi-Annual Self Monitoring Report
January through June 2009
BPU Permit No. 26
URS Project No. 41568453

Dear Mr. Peterson:

This submittal represents the January through June 2009 monitoring report in accordance with the City of Jamestown Board of Public Utilities Industrial Wastewater Discharge Permit Number 26 for the Essex Specialty Products, Inc facility referenced above. For reporting purposes, Essex Specialty Products, Inc., is classified as a Significant Industrial User subject to Categorical Pretreatment Standards. As such, this report has been developed in accordance with the requirements of 40 CFR 403.12(e).

Specific requirements included in this report as shown on Table 1 are as follows:

- Concentrations of Total Toxic Organics (TTOs) in discharge to POTW as measured monthly. Note: The Baseline Monitoring conducted for the discharge identified volatile organic compounds (VOCs) as approximately 98% of the influent TTO component. Non-volatile components historically were not a major component of chemical usage at the site. Based on these conditions, the permit requires sampling of VOCs to measure TTO concentration.
- pH of discharge to POTW as measured monthly.
- Flow rate of discharge to POTW as measured monthly.
- Estimated daily average and maximum flow rates.

URS Corporation
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Pittsburgh, PA 15205
Tel: 412-503-4700
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www.urscorp.com

This Semi-Annual Report contains system influent and effluent data for January through June 2009. No noncompliance events occurred during this reporting period. The system carbon was changed out on May 19, 2009. Table 1 summarizes the monthly discharge rates, and the total VOCs and constituents detected in the discharge to the POTW for each month. Discharge flow rates for the reporting period ranged from 61,201 to 188,864 gallons per month over the reporting period. The daily average flow rates shown on Table 1 were estimated based upon the total volume of water discharged per month. Daily maximum flow rates were estimated to be 20 percent greater than daily averages. The supporting Laboratory Certificates of Analysis for the reported concentrations of VOCs are also attached.

We trust that this submittal satisfies our reporting obligation pursuant to 40 CFR 403.12. If you have any questions or require additional information, please contact me at (412) 503-4672.

Sincerely,
URS

Mark Dowiak, P.E.
Project Manager

Attachment

cc: Tim King (Dow)
Maurice Moore (NYSDEC)
Valerie Sibeto (URS)

Table 1

January - June 2009
Post Carbon (Effluent) Monitoring Data
Essex/Hope Site
Jamestown, NY

Reporting Requirements for Pre-Treated Discharge (System Effluent to POTW)	Industrial Wastewater Discharge Permit #26 Limits	January	February	March	April	May	June
POTW Discharge Analytical Data							
Total VOCs (µg/L)	2,130 µg/L (TTO)	234	407	372	409	55	26
Detected Compounds	Report	cis-1,2-DCE, Vinyl Chloride	cis-1,2-DCE, Vinyl Chloride	cis-1,2-DCE, Vinyl Chloride	cis-1,2-DCE, Vinyl Chloride	cis-1,2-DCE, Vinyl Chloride	cis-1,2-DCE, Vinyl Chloride
pH (Standard Units)	5.5 to 10	7.25	7.25	7.25	7.75	7.25	7.25
		7.25	7.25	7.25	7.75	7.25	7.25
		7.25	7.25	7.25	7.75	7.25	7.25
		7.25	7.25	7.25	7.75	7.25	7.25
POTW Discharge Flow Data							
Monthly Total Flow (gallons)	Report	61,201	188,864	139,082	127,322	114,336	151,853
Average Daily Flow (gallons)	Report	1,974	6,745	4,487	4,244	3,688	5,062
Maximum Daily Flow (gallons)	Report	2,369	8,094	5,384	5,093	4,426	6,074

Notes:

Jamestown BPU Industrial Wastewater Discharge Permit #26 effective 11/5/07 through 11/4/12.

Maximum Daily Flow is estimated to be 20% greater than Average Daily Flow.

VOCs sample is a laboratory prepared composite of 4 grab samples collected from the pre-treatment system discharge to the POTW at 30 minute intervals.

pH measurements recorded are concurrent with the time of each grab sample. Italicized measurements are approximate.

TTO = Total Toxic Organics

System Carbon was changed out on May 19, 2009.

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February 10, 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.: 304657

Dear Mr. Dowiak:
Enclosed are the analytical results for sample(s) received by the laboratory on January 31, 2009. 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

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CERTIFICATIONS

Project: 41568140.4000 Essex-Hope
Pace Project No.: 304657

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

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SAMPLE ANALYTE COUNT

Project: 41568140.4000 Essex-Hope
Pace Project No.: 304657

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
304657001	**Pre-Carb**	EPA 8260	EAC	42	PASI-PA
304657002	**Primary-Eff**	EPA 8260	EAC	42	PASI-PA
304657003	**Post-Carb**	EPA 8260	EAC	42	PASI-PA
304657007	**TB-01**	EPA 8260	EAC	42	PASI-PA

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ANALYTICAL RESULTS

Project: 41568140.4000 Essex-Hope
Pace Project No.: 304657

Sample: Pre-Carb **Lab ID: 304657001** Collected: 01/30/09 11:50 Received: 01/31/09 11:20 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		02/02/09 20:55	67-64-1	
Benzene	**7.9**	ug/L	1.0	1		02/02/09 20:55	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/02/09 20:55	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/02/09 20:55	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/02/09 20:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		02/02/09 20:55	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		02/02/09 20:55	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/02/09 20:55	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/02/09 20:55	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/02/09 20:55	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/02/09 20:55	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/02/09 20:55	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		02/02/09 20:55	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 20:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 20:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 20:55	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/02/09 20:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/02/09 20:55	107-06-2	
1,1-Dichloroethene	**15.8**	ug/L	5.0	1		02/02/09 20:55	75-35-4	
cis-1,2-Dichloroethene	**4860**	ug/L	200	40		02/03/09 20:10	156-59-2	
trans-1,2-Dichloroethene	**34.7**	ug/L	5.0	1		02/02/09 20:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/02/09 20:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/02/09 20:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/02/09 20:55	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/02/09 20:55	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		02/02/09 20:55	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		02/02/09 20:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		02/02/09 20:55	108-10-1	
Styrene	ND	ug/L	5.0	1		02/02/09 20:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/02/09 20:55	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/02/09 20:55	127-18-4	
Toluene	ND	ug/L	5.0	1		02/02/09 20:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/02/09 20:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/02/09 20:55	79-00-5	
Trichloroethene	**1660**	ug/L	200	40		02/03/09 20:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/02/09 20:55	75-69-4	
Vinyl chloride	**538**	ug/L	40.0	40		02/03/09 20:10	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		02/02/09 20:55	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		02/02/09 20:55	95-47-6	
4-Bromofluorobenzene (S)	104	%	70-130	1		02/02/09 20:55	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		02/02/09 20:55	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		02/02/09 20:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 41568140.4000 Essex-Hope
Pace Project No.. 304657

Sample: Primary-Eff **Lab ID: 304657002** Collected: 01/30/09 11:55 Received: 01/31/09 11:20 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		02/02/09 21:22	67-64-1	
Benzene	ND	ug/L	1.0	1		02/02/09 21:22	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/02/09 21:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/02/09 21:22	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/02/09 21:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		02/02/09 21:22	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		02/02/09 21:22	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/02/09 21:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/02/09 21:22	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/02/09 21:22	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/02/09 21:22	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/02/09 21:22	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		02/02/09 21:22	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 21:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 21:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 21:22	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/02/09 21:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/02/09 21:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/02/09 21:22	75-35-4	
cis-1,2-Dichloroethene	**138**	ug/L	5.0	1		02/02/09 21:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/02/09 21:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/02/09 21:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/02/09 21:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/02/09 21:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/02/09 21:22	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		02/02/09 21:22	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		02/02/09 21:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		02/02/09 21:22	108-10-1	
Styrene	ND	ug/L	5.0	1		02/02/09 21:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/02/09 21:22	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/02/09 21:22	127-18-4	
Toluene	ND	ug/L	5.0	1		02/02/09 21:22	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/02/09 21:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/02/09 21:22	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/02/09 21:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/02/09 21:22	75-69-4	
Vinyl chloride	**813**	ug/L	20.0	20		02/03/09 20:36	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		02/02/09 21:22	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		02/02/09 21:22	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130	1		02/02/09 21:22	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		02/02/09 21:22	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		02/02/09 21:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 41568140.4000 Essex-Hope
Pace Project No.: 304657

Sample: Post-Carb **Lab ID: 304657003** Collected: 01/30/09 12:00 Received: 01/31/09 11:20 Matrix: Water

Comments: • The Post-Carb sample was composited prior to analysis.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		02/02/09 21:48	67-64-1	
Benzene	ND	ug/L	1.0	1		02/02/09 21:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/02/09 21:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/02/09 21:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/02/09 21:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		02/02/09 21:48	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		02/02/09 21:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/02/09 21:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/02/09 21:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/02/09 21:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/02/09 21:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/02/09 21:48	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		02/02/09 21:48	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 21:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 21:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 21:48	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/02/09 21:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/02/09 21:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/02/09 21:48	75-35-4	
cis-1,2-Dichloroethene	**227**	ug/L	5.0	1		02/02/09 21:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/02/09 21:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/02/09 21:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/02/09 21:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/02/09 21:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/02/09 21:48	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		02/02/09 21:48	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		02/02/09 21:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		02/02/09 21:48	108-10-1	
Styrene	ND	ug/L	5.0	1		02/02/09 21:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/02/09 21:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/02/09 21:48	127-18-4	
Toluene	ND	ug/L	5.0	1		02/02/09 21:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/02/09 21:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/02/09 21:48	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/02/09 21:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/02/09 21:48	75-69-4	
Vinyl chloride	**7.4**	ug/L	1.0	1		02/02/09 21:48	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		02/02/09 21:48	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		02/02/09 21:48	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		02/02/09 21:48	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		02/02/09 21:48	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		02/02/09 21:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 41568140.4000 Essex-Hope
Pace Project No.: 304657

Sample: TB-01 **Lab ID: 304657007** Collected: 01/30/09 00:00 Received: 01/31/09 11:20 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		02/02/09 20:01	67-64-1	
Benzene	ND	ug/L	1.0	1		02/02/09 20:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/02/09 20:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/02/09 20:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/02/09 20:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		02/02/09 20:01	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		02/02/09 20:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/02/09 20:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/02/09 20:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/02/09 20:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/02/09 20:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/02/09 20:01	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		02/02/09 20:01	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 20:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 20:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/02/09 20:01	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/02/09 20:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/02/09 20:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/02/09 20:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		02/02/09 20:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/02/09 20:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/02/09 20:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/02/09 20:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/02/09 20:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/02/09 20:01	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		02/02/09 20:01	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		02/02/09 20:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		02/02/09 20:01	108-10-1	
Styrene	ND	ug/L	5.0	1		02/02/09 20:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/02/09 20:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/02/09 20:01	127-18-4	
Toluene	ND	ug/L	5.0	1		02/02/09 20:01	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/02/09 20:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/02/09 20:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/02/09 20:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/02/09 20:01	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		02/02/09 20:01	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		02/02/09 20:01	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		02/02/09 20:01	95-47-6	
4-Bromofluorobenzene (S)	103	%	70-130	1		02/02/09 20:01	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		02/02/09 20:01	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		02/02/09 20:01	2037-26-5	

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QUALITY CONTROL DATA

Project: 41568140.4000 Essex-Hope
Pace Project No.: 304657

QC Batch: MSV/1597 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 304657001, 304657002, 304657003, 304657007

METHOD BLANK: 24024 Matrix: Water
Associated Lab Samples: 304657001, 304657002, 304657003, 304657007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	02/02/09 19:34	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/02/09 19:34	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/02/09 19:34	
1,1-Dichloroethane	ug/L	ND	5.0	02/02/09 19:34	
1,1-Dichloroethene	ug/L	ND	5.0	02/02/09 19:34	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/02/09 19:34	
1,2-Dichloroethane	ug/L	ND	5.0	02/02/09 19:34	
1,2-Dichloropropane	ug/L	ND	5.0	02/02/09 19:34	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/02/09 19:34	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/02/09 19:34	
2-Butanone (MEK)	ug/L	ND	10.0	02/02/09 19:34	
2-Hexanone	ug/L	ND	10.0	02/02/09 19:34	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	02/02/09 19:34	
Acetone	ug/L	ND	10.0	02/02/09 19:34	
Benzene	ug/L	ND	1.0	02/02/09 19:34	
Bromodichloromethane	ug/L	ND	5.0	02/02/09 19:34	
Bromoform	ug/L	ND	5.0	02/02/09 19:34	
Bromomethane	ug/L	ND	5.0	02/02/09 19:34	
Carbon disulfide	ug/L	ND	5.0	02/02/09 19:34	
Carbon tetrachloride	ug/L	ND	5.0	02/02/09 19:34	
Chlorobenzene	ug/L	ND	5.0	02/02/09 19:34	
Chloroethane	ug/L	ND	5.0	02/02/09 19:34	
Chloroform	ug/L	ND	5.0	02/02/09 19:34	
Chloromethane	ug/L	ND	5.0	02/02/09 19:34	B
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/02/09 19:34	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/02/09 19:34	
Dibromochloromethane	ug/L	ND	5.0	02/02/09 19:34	
Ethylbenzene	ug/L	ND	5.0	02/02/09 19:34	
m&p-Xylene	ug/L	ND	5.0	02/02/09 19:34	
Methylene Chloride	ug/L	ND	5.0	02/02/09 19:34	
o-Xylene	ug/L	ND	5.0	02/02/09 19:34	
Styrene	ug/L	ND	5.0	02/02/09 19:34	
Tetrachloroethene	ug/L	ND	5.0	02/02/09 19:34	
Toluene	ug/L	ND	5.0	02/02/09 19:34	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/02/09 19:34	
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/02/09 19:34	
Trichloroethene	ug/L	ND	5.0	02/02/09 19:34	
Trichlorofluoromethane	ug/L	ND	5.0	02/02/09 19:34	
Vinyl chloride	ug/L	ND	1.0	02/02/09 19:34	
1,2-Dichloroethane-d4 (S)	%	94	70-130	02/02/09 19:34	
4-Bromofluorobenzene (S)	%	105	70-130	02/02/09 19:34	
Toluene-d8 (S)	%	98	70-130	02/02/09 19:34	

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QUALITY CONTROL DATA

Project: 41568140.4000 Essex-Hope
Pace Project No.: 304657

LABORATORY CONTROL SAMPLE: 24025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,2-Trichloroethane	ug/L	20	21.0	105	70-130	
1,1-Dichloroethane	ug/L	20	19.5	98	70-130	
1,1-Dichloroethene	ug/L	20	18.3	92	70-130	
1,2-Dichlorobenzene	ug/L	20	21.3	106	70-130	
1,2-Dichloroethane	ug/L	20	18.1	90	70-130	
1,2-Dichloropropane	ug/L	20	20.0	100	70-130	
1,3-Dichlorobenzene	ug/L	20	21.1	105	70-130	
1,4-Dichlorobenzene	ug/L	20	21.1	105	70-130	
2-Butanone (MEK)	ug/L	20	18.5	92	70-130	
2-Hexanone	ug/L	20	19.4	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.4	92	70-130	
Acetone	ug/L	20	19.6	98	70-130	
Benzene	ug/L	20	20.1	101	70-130	
Bromodichloromethane	ug/L	20	20.2	101	70-130	
Bromoform	ug/L	20	19.2	96	70-130	
Bromomethane	ug/L	20	42.1	211	70-130	L0
Carbon disulfide	ug/L	20	18.8	94	70-130	
Carbon tetrachloride	ug/L	20	20.9	105	70-130	
Chlorobenzene	ug/L	20	20.4	102	70-130	
Chloroethane	ug/L	20	16.9	84	70-130	
Chloroform	ug/L	20	20.0	100	70-130	
Chloromethane	ug/L	20	17.5	87	70-130	
cis-1,2-Dichloroethene	ug/L	20	20.5	102	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.4	102	70-130	
Dibromochloromethane	ug/L	20	20.7	103	70-130	
Ethylbenzene	ug/L	20	20.3	102	70-130	
m&p-Xylene	ug/L	40	41.7	104	70-130	
Methylene Chloride	ug/L	20	18.7	93	70-130	
o-Xylene	ug/L	20	20.6	103	70-130	
Styrene	ug/L	20	20.3	101	70-130	
Tetrachloroethene	ug/L	20	21.3	106	70-130	
Toluene	ug/L	20	20.1	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.3	92	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.9	105	70-130	
Trichloroethene	ug/L	20	20.1	101	70-130	
Trichlorofluoromethane	ug/L	20	17.3	87	70-130	
Vinyl chloride	ug/L	20	17.1	86	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			102	70-130	

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QUALIFIERS

Project: 41568140.4000 Essex-Hope
Pace Project No.: 304657

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.

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

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 41568140.4000 Essex-Hope
Pace Project No.: 304657

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
304657001	**Pre-Carb**	EPA 8260	MSV/1597		
304657002	**Primary-Eff**	EPA 8260	MSV/1597		
304657003	**Post-Carb**	EPA 8260	MSV/1597		
304657007	**TB-01**	EPA 8260	MSV/1597		

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March 13, 2009

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

RE: Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

Dear Mr. Dowiak:
Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2009. 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

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CERTIFICATIONS

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

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
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

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SAMPLE ANALYTE COUNT

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
306151001	**PRE-CARB**	EPA 8260	EAC, JAS	42	PASI-PA
306151002	**PRIMARY-EFF**	EPA 8260	EAC, JAS	42	PASI-PA
306151003	**POST-CARB**	EPA 8260	JAS	42	PASI-PA
306151004	**TB-01**	EPA 8260	JAS	42	PASI-PA

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

Sample: PRE-CARB **Lab ID: 306151001** Collected: 02/27/09 09:50 Received: 02/28/09 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		03/05/09 15:28	67-64-1	
Benzene	**5.1**	ug/L	1.0	1		03/05/09 15:28	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/05/09 15:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/05/09 15:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/09 15:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		03/05/09 15:28	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		03/05/09 15:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/05/09 15:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/05/09 15:28	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/05/09 15:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/05/09 15:28	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/05/09 15:28	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/05/09 15:28	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 15:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 15:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 15:28	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/05/09 15:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/05/09 15:28	107-06-2	
1,1-Dichloroethene	**14.7**	ug/L	5.0	1		03/05/09 15:28	75-35-4	
cis-1,2-Dichloroethene	**3000**	ug/L	100	20		03/12/09 13:33	156-59-2	
trans-1,2-Dichloroethene	**25.2**	ug/L	5.0	1		03/05/09 15:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/05/09 15:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/05/09 15:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/05/09 15:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/05/09 15:28	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/05/09 15:28	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		03/05/09 15:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/05/09 15:28	108-10-1	
Styrene	ND	ug/L	5.0	1		03/05/09 15:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/05/09 15:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/05/09 15:28	127-18-4	
Toluene	ND	ug/L	5.0	1		03/05/09 15:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/05/09 15:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/05/09 15:28	79-00-5	
Trichloroethene	**1310**	ug/L	100	20		03/12/09 13:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/05/09 15:28	75-69-4	
Vinyl chloride	**383**	ug/L	1.0	1		03/05/09 15:28	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		03/05/09 15:28	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		03/05/09 15:28	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130	1		03/05/09 15:28	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130	1		03/05/09 15:28	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		03/05/09 15:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

Sample: PRIMARY-EFF **Lab ID: 306151002** Collected: 02/27/09 09:55 Received: 02/28/09 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		03/05/09 15:54	67-64-1	
Benzene	ND	ug/L	1.0	1		03/05/09 15:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/05/09 15:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/05/09 15:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/09 15:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		03/05/09 15:54	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		03/05/09 15:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/05/09 15:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/05/09 15:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/05/09 15:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/05/09 15:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/05/09 15:54	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/05/09 15:54	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 15:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 15:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 15:54	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/05/09 15:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/05/09 15:54	107-06-2	
1,1-Dichloroethene	**6.4**	ug/L	5.0	1		03/05/09 15:54	75-35-4	
cis-1,2-Dichloroethene	**2470**	ug/L	100	20		03/12/09 13:07	156-59-2	
trans-1,2-Dichloroethene	**7.7**	ug/L	5.0	1		03/05/09 15:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/05/09 15:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/05/09 15:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/05/09 15:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/05/09 15:54	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/05/09 15:54	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		03/05/09 15:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/05/09 15:54	108-10-1	
Styrene	ND	ug/L	5.0	1		03/05/09 15:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/05/09 15:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/05/09 15:54	127-18-4	
Toluene	ND	ug/L	5.0	1		03/05/09 15:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/05/09 15:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/05/09 15:54	79-00-5	
Trichloroethene	**20.8**	ug/L	5.0	1		03/05/09 15:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/05/09 15:54	75-69-4	
Vinyl chloride	**365**	ug/L	1.0	1		03/05/09 15:54	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		03/05/09 15:54	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		03/05/09 15:54	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130	1		03/05/09 15:54	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130	1		03/05/09 15:54	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		03/05/09 15:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

Sample: POST-CARB **Lab ID: 306151003** Collected: 02/27/09 10:00 Received: 02/28/09 10:00 Matrix: Water

Comments: • The sample was composited prior to analysis.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		03/05/09 16:19	67-64-1	
Benzene	ND	ug/L	1.0	1		03/05/09 16:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/05/09 16:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/05/09 16:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/09 16:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		03/05/09 16:19	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		03/05/09 16:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/05/09 16:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/05/09 16:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/05/09 16:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/05/09 16:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/05/09 16:19	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/05/09 16:19	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 16:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 16:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 16:19	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/05/09 16:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/05/09 16:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/05/09 16:19	75-35-4	
cis-1,2-Dichloroethene	**119**	ug/L	5.0	1		03/05/09 16:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/05/09 16:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/05/09 16:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/05/09 16:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/05/09 16:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/05/09 16:19	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/05/09 16:19	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		03/05/09 16:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/05/09 16:19	108-10-1	
Styrene	ND	ug/L	5.0	1		03/05/09 16:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/05/09 16:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/05/09 16:19	127-18-4	
Toluene	ND	ug/L	5.0	1		03/05/09 16:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/05/09 16:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/05/09 16:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/05/09 16:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/05/09 16:19	75-69-4	
Vinyl chloride	**288**	ug/L	1.0	1		03/05/09 16:19	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		03/05/09 16:19	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		03/05/09 16:19	95-47-6	
4-Bromofluorobenzene (S)	102	%	70-130	1		03/05/09 16:19	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130	1		03/05/09 16:19	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		03/05/09 16:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

Sample: TB-01 **Lab ID: 306151004** Collected: 02/27/09 00:00 Received: 02/28/09 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		03/05/09 15:02	67-64-1	
Benzene	ND	ug/L	1.0	1		03/05/09 15:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/05/09 15:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/05/09 15:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/05/09 15:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		03/05/09 15:02	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		03/05/09 15:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/05/09 15:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/05/09 15:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/05/09 15:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/05/09 15:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/05/09 15:02	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/05/09 15:02	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 15:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 15:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/05/09 15:02	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/05/09 15:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/05/09 15:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/05/09 15:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/05/09 15:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/05/09 15:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/05/09 15:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/05/09 15:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/05/09 15:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/05/09 15:02	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/05/09 15:02	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		03/05/09 15:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/05/09 15:02	108-10-1	
Styrene	ND	ug/L	5.0	1		03/05/09 15:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/05/09 15:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/05/09 15:02	127-18-4	
Toluene	ND	ug/L	5.0	1		03/05/09 15:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/05/09 15:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/05/09 15:02	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/05/09 15:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/05/09 15:02	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		03/05/09 15:02	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		03/05/09 15:02	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		03/05/09 15:02	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130	1		03/05/09 15:02	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130	1		03/05/09 15:02	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		03/05/09 15:02	2037-26-5	

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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

QC Batch: MSV/1828 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 306151001, 306151002, 306151003, 306151004

METHOD BLANK: 33805 Matrix: Water
Associated Lab Samples: 306151001, 306151002, 306151003, 306151004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	03/05/09 14:36	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/05/09 14:36	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/05/09 14:36	
1,1-Dichloroethane	ug/L	ND	5.0	03/05/09 14:36	
1,1-Dichloroethene	ug/L	ND	5.0	03/05/09 14:36	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/05/09 14:36	
1,2-Dichloroethane	ug/L	ND	5.0	03/05/09 14:36	
1,2-Dichloropropane	ug/L	ND	5.0	03/05/09 14:36	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/05/09 14:36	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/05/09 14:36	
2-Butanone (MEK)	ug/L	ND	10.0	03/05/09 14:36	
2-Hexanone	ug/L	ND	10.0	03/05/09 14:36	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/05/09 14:36	
Acetone	ug/L	ND	10.0	03/05/09 14:36	
Benzene	ug/L	ND	1.0	03/05/09 14:36	
Bromodichloromethane	ug/L	ND	5.0	03/05/09 14:36	
Bromoform	ug/L	ND	5.0	03/05/09 14:36	
Bromomethane	ug/L	ND	5.0	03/05/09 14:36	
Carbon disulfide	ug/L	ND	5.0	03/05/09 14:36	
Carbon tetrachloride	ug/L	ND	5.0	03/05/09 14:36	
Chlorobenzene	ug/L	ND	5.0	03/05/09 14:36	
Chloroethane	ug/L	ND	5.0	03/05/09 14:36	
Chloroform	ug/L	ND	5.0	03/05/09 14:36	
Chloromethane	ug/L	ND	5.0	03/05/09 14:36	
cis-1,2-Dichloroethene	ug/L	ND	5.0	03/05/09 14:36	
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/05/09 14:36	
Dibromochloromethane	ug/L	ND	5.0	03/05/09 14:36	
Ethylbenzene	ug/L	ND	5.0	03/05/09 14:36	
m&p-Xylene	ug/L	ND	5.0	03/05/09 14:36	
Methylene Chloride	ug/L	ND	5.0	03/05/09 14:36	
o-Xylene	ug/L	ND	5.0	03/05/09 14:36	
Styrene	ug/L	ND	5.0	03/05/09 14:36	
Tetrachloroethene	ug/L	ND	5.0	03/05/09 14:36	
Toluene	ug/L	ND	5.0	03/05/09 14:36	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/05/09 14:36	
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/05/09 14:36	
Trichloroethene	ug/L	ND	5.0	03/05/09 14:36	
Trichlorofluoromethane	ug/L	ND	5.0	03/05/09 14:36	
Vinyl chloride	ug/L	ND	1.0	03/05/09 14:36	
1,2-Dichloroethane-d4 (S)	%	114	70-130	03/05/09 14:36	
4-Bromofluorobenzene (S)	%	103	70-130	03/05/09 14:36	
Toluene-d8 (S)	%	92	70-130	03/05/09 14:36	

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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

LABORATORY CONTROL SAMPLE: 33806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.6	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	90	70-130	
1,1,2-Trichloroethane	ug/L	20	21.6	108	70-130	
1,1-Dichloroethane	ug/L	20	18.9	94	70-130	
1,1-Dichloroethene	ug/L	20	15.0	75	70-130	
1,2-Dichlorobenzene	ug/L	20	20.5	103	70-130	
1,2-Dichloroethane	ug/L	20	21.8	109	70-130	
1,2-Dichloropropane	ug/L	20	18.1	90	70-130	
1,3-Dichlorobenzene	ug/L	20	20.7	103	70-130	
1,4-Dichlorobenzene	ug/L	20	20.9	105	70-130	
2-Butanone (MEK)	ug/L	20	20.9	104	70-130	
2-Hexanone	ug/L	20	19.0	95	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.9	104	70-130	
Acetone	ug/L	20	19.2	96	70-130	
Benzene	ug/L	20	17.1	85	70-130	
Bromodichloromethane	ug/L	20	19.9	100	70-130	
Bromoform	ug/L	20	21.3	107	70-130	
Bromomethane	ug/L	20	28.6	143	70-130	L0
Carbon disulfide	ug/L	20	23.6	118	70-130	
Carbon tetrachloride	ug/L	20	20.0	100	70-130	
Chlorobenzene	ug/L	20	21.2	106	70-130	
Chloroethane	ug/L	20	20.5	103	70-130	
Chloroform	ug/L	20	22.5	113	70-130	
Chloromethane	ug/L	20	21.2	106	70-130	
cis-1,2-Dichloroethene	ug/L	20	21.2	106	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	20.2	101	70-130	
Ethylbenzene	ug/L	20	20.7	104	70-130	
m&p-Xylene	ug/L	40	41.9	105	70-130	
Methylene Chloride	ug/L	20	17.6	88	70-130	
o-Xylene	ug/L	20	19.7	98	70-130	
Styrene	ug/L	20	20.3	101	70-130	
Tetrachloroethene	ug/L	20	21.1	105	70-130	
Toluene	ug/L	20	19.2	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.2	91	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.1	101	70-130	
Trichloroethene	ug/L	20	18.2	91	70-130	
Trichlorofluoromethane	ug/L	20	22.6	113	70-130	
Vinyl chloride	ug/L	20	19.0	95	70-130	
1,2-Dichloroethane-d4 (S)	%			109	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALIFIERS

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

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.

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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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Essex-Hope 41568453.10000
Pace Project No.: 306151

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
306151001	**PRE-CARB**	EPA 8260	MSV/1828		
306151002	**PRIMARY-EFF**	EPA 8260	MSV/1828		
306151003	**POST-CARB**	EPA 8260	MSV/1828		
306151004	**TB-01**	EPA 8260	MSV/1828		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1215176

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: URS CORP	Report To: MARK DOWIAK	Attention:
Address: 501 HOLIDAY DR. FOSTER PLAZA 7 STE. 300 PITTSBURGH, PA 15220	Copy To: VALERIE SIBETO	Company Name.
		Address:
Email To:	Purchase Order No.: 41568453	Pace Quote Reference:
Phone: 412-503-4700 Fax: 412-503-4701	Project Name: ESSEX/HOPE - JAMESTOWN	Pace Project Manager:
Requested Due Date/TAT: STANDARD	Project Number: 41568453.10000	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: NY

Section D Required Client Information

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste 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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: VOCs 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PRE-CARB	WT	G			2.27.09	0950		3				X				Y	X			30615101
2	PRIMARY-EFF						0955		3				X				Y	X			02
3	POST-CARB						1000		3				X				Y	X			03
4	POST-CARB						1030		3				X				Y	X			
5	POST-CARB						1100		3				X				Y	X			
6	POST-CARB						1130		3				X				Y	X			
7	TB-01	V	V			2.27.09	—		1				X				Y	X			04
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Composite four (4)	Valerie Sibeto/URS	2.27.09	1150	FedEx #965644539204	2.27.09	1130				
POST-CARB SAMPLES IN	FedEx			Justin Miller	2/28/09	1000	5.4	Y	N	Y
LAB AND REPORT AS										
POST-CARB COMPOSITE.										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: VALERIE SIBETO

SIGNATURE of SAMPLER: Valerie Sibeto DATE Signed (MM/DD/YY): 2.27.09

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

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: URS Project # 306151

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

Tracking #: 8656 4453 9204

Optional
Proj. Due Date:
Proj. Name:

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

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 5.4 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: JP 2/28/09

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: Ag		
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: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed JP 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: Raelyn E Shorter Date: 3/2/09

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)

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Greensburg, PA 15601
(724)850-5600

April 03, 2009

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

RE: Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

Dear Mr. Dowiak:
Enclosed are the analytical results for sample(s) received by the laboratory on March 21, 2009. 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

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CERTIFICATIONS

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

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
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

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SAMPLE ANALYTE COUNT

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
307381001	**PRE-CARB**	EPA 8260	EAC	42	PASI-PA
307381002	**PRIMARY-EFF**	EPA 8260	EAC	42	PASI-PA
307381003	**POST-CARB**	EPA 8260	EAC	42	PASI-PA
307381004	**TB-01**	EPA 8260	EAC	42	PASI-PA

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

Sample: PRE-CARB **Lab ID: 307381001** Collected: 03/20/09 09:05 Received: 03/21/09 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		03/25/09 17:12	67-64-1	
Benzene	**4.9**	ug/L	1.0	1		03/25/09 17:12	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/25/09 17:12	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/25/09 17:12	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/25/09 17:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		03/25/09 17:12	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		03/25/09 17:12	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/25/09 17:12	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/25/09 17:12	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/25/09 17:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/25/09 17:12	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/25/09 17:12	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/25/09 17:12	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 17:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 17:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 17:12	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/25/09 17:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/25/09 17:12	107-06-2	
1,1-Dichloroethene	**10.4**	ug/L	5.0	1		03/25/09 17:12	75-35-4	
cis-1,2-Dichloroethene	**2440**	ug/L	50.0	10		03/25/09 17:39	156-59-2	
trans-1,2-Dichloroethene	**14.2**	ug/L	5.0	1		03/25/09 17:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/25/09 17:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/25/09 17:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/25/09 17:12	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/25/09 17:12	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/25/09 17:12	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		03/25/09 17:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/25/09 17:12	108-10-1	
Styrene	ND	ug/L	5.0	1		03/25/09 17:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/25/09 17:12	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/25/09 17:12	127-18-4	
Toluene	ND	ug/L	5.0	1		03/25/09 17:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/25/09 17:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/25/09 17:12	79-00-5	
Trichloroethene	**1420**	ug/L	50.0	10		03/25/09 17:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/25/09 17:12	75-69-4	
Vinyl chloride	**258**	ug/L	1.0	1		03/25/09 17:12	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		03/25/09 17:12	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		03/25/09 17:12	95-47-6	
4-Bromofluorobenzene (S)	97	%	70-130	1		03/25/09 17:12	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		03/25/09 17:12	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		03/25/09 17:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

Sample: PRIMARY-EFF **Lab ID: 307381002** Collected: 03/20/09 09:10 Received: 03/21/09 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		03/25/09 18:06	67-64-1	
Benzene	ND	ug/L	1.0	1		03/25/09 18:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/25/09 18:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/25/09 18:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/25/09 18:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		03/25/09 18:06	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		03/25/09 18:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/25/09 18:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/25/09 18:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/25/09 18:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/25/09 18:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/25/09 18:06	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/25/09 18:06	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 18:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 18:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 18:06	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/25/09 18:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/25/09 18:06	107-06-2	
1,1-Dichloroethene	**7.7**	ug/L	5.0	1		03/25/09 18:06	75-35-4	
cis-1,2-Dichloroethene	**3110**	ug/L	250	50		03/25/09 18:33	156-59-2	
trans-1,2-Dichloroethene	**5.8**	ug/L	5.0	1		03/25/09 18:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/25/09 18:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/25/09 18:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/25/09 18:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/25/09 18:06	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/25/09 18:06	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		03/25/09 18:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/25/09 18:06	108-10-1	
Styrene	ND	ug/L	5.0	1		03/25/09 18:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/25/09 18:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/25/09 18:06	127-18-4	
Toluene	ND	ug/L	5.0	1		03/25/09 18:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/25/09 18:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/25/09 18:06	79-00-5	
Trichloroethene	**64.1**	ug/L	5.0	1		03/25/09 18:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/25/09 18:06	75-69-4	
Vinyl chloride	**242**	ug/L	1.0	1		03/25/09 18:06	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		03/25/09 18:06	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		03/25/09 18:06	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130	1		03/25/09 18:06	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		03/25/09 18:06	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		03/25/09 18:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

Sample: POST-CARB **Lab ID: 307381003** Collected: 03/20/09 10:15 Received: 03/21/09 11:00 Matrix: Water

Comments: • VOA sample was composited prior to analysis.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		03/25/09 18:59	67-64-1	
Benzene	ND	ug/L	1.0	1		03/25/09 18:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/25/09 18:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/25/09 18:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/25/09 18:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		03/25/09 18:59	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		03/25/09 18:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/25/09 18:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/25/09 18:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/25/09 18:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/25/09 18:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/25/09 18:59	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/25/09 18:59	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 18:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 18:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 18:59	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/25/09 18:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/25/09 18:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/25/09 18:59	75-35-4	
cis-1,2-Dichloroethene	**95.9**	ug/L	5.0	1		03/25/09 18:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/25/09 18:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/25/09 18:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/25/09 18:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/25/09 18:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/25/09 18:59	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/25/09 18:59	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		03/25/09 18:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/25/09 18:59	108-10-1	
Styrene	ND	ug/L	5.0	1		03/25/09 18:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/25/09 18:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/25/09 18:59	127-18-4	
Toluene	ND	ug/L	5.0	1		03/25/09 18:59	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/25/09 18:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/25/09 18:59	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/25/09 18:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/25/09 18:59	75-69-4	
Vinyl chloride	**276**	ug/L	1.0	1		03/25/09 18:59	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		03/25/09 18:59	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		03/25/09 18:59	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130	1		03/25/09 18:59	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		03/25/09 18:59	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		03/25/09 18:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

Sample: TB-01 **Lab ID: 307381004** Collected: 03/20/09 00:00 Received: 03/21/09 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		03/25/09 16:46	67-64-1	
Benzene	ND	ug/L	1.0	1		03/25/09 16:46	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/25/09 16:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/25/09 16:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/25/09 16:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		03/25/09 16:46	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		03/25/09 16:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/25/09 16:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/25/09 16:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/25/09 16:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/25/09 16:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/25/09 16:46	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/25/09 16:46	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 16:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 16:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/25/09 16:46	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/25/09 16:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/25/09 16:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/25/09 16:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/25/09 16:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/25/09 16:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/25/09 16:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/25/09 16:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/25/09 16:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/25/09 16:46	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		03/25/09 16:46	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		03/25/09 16:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		03/25/09 16:46	108-10-1	
Styrene	ND	ug/L	5.0	1		03/25/09 16:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/25/09 16:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/25/09 16:46	127-18-4	
Toluene	ND	ug/L	5.0	1		03/25/09 16:46	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/25/09 16:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/25/09 16:46	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/25/09 16:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/25/09 16:46	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		03/25/09 16:46	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		03/25/09 16:46	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		03/25/09 16:46	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130	1		03/25/09 16:46	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		03/25/09 16:46	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		03/25/09 16:46	2037-26-5	

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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

QC Batch: MSV/2034 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 307381001, 307381002, 307381003, 307381004

METHOD BLANK: 41060 Matrix: Water
Associated Lab Samples: 307381001, 307381002, 307381003, 307381004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	03/25/09 14:29	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/25/09 14:29	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/25/09 14:29	
1,1-Dichloroethane	ug/L	ND	5.0	03/25/09 14:29	
1,1-Dichloroethene	ug/L	ND	5.0	03/25/09 14:29	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/25/09 14:29	
1,2-Dichloroethane	ug/L	ND	5.0	03/25/09 14:29	
1,2-Dichloropropane	ug/L	ND	5.0	03/25/09 14:29	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/25/09 14:29	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/25/09 14:29	
2-Butanone (MEK)	ug/L	ND	10.0	03/25/09 14:29	
2-Hexanone	ug/L	ND	10.0	03/25/09 14:29	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	03/25/09 14:29	
Acetone	ug/L	ND	10.0	03/25/09 14:29	
Benzene	ug/L	ND	1.0	03/25/09 14:29	
Bromodichloromethane	ug/L	ND	5.0	03/25/09 14:29	
Bromoform	ug/L	ND	5.0	03/25/09 14:29	
Bromomethane	ug/L	ND	5.0	03/25/09 14:29	
Carbon disulfide	ug/L	ND	5.0	03/25/09 14:29	
Carbon tetrachloride	ug/L	ND	5.0	03/25/09 14:29	
Chlorobenzene	ug/L	ND	5.0	03/25/09 14:29	
Chloroethane	ug/L	ND	5.0	03/25/09 14:29	
Chloroform	ug/L	ND	5.0	03/25/09 14:29	
Chloromethane	ug/L	ND	5.0	03/25/09 14:29	
cis-1,2-Dichloroethene	ug/L	ND	5.0	03/25/09 14:29	
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/25/09 14:29	
Dibromochloromethane	ug/L	ND	5.0	03/25/09 14:29	
Ethylbenzene	ug/L	ND	5.0	03/25/09 14:29	
m&p-Xylene	ug/L	ND	5.0	03/25/09 14:29	
Methylene Chloride	ug/L	ND	5.0	03/25/09 14:29	
o-Xylene	ug/L	ND	5.0	03/25/09 14:29	
Styrene	ug/L	ND	5.0	03/25/09 14:29	
Tetrachloroethene	ug/L	ND	5.0	03/25/09 14:29	
Toluene	ug/L	ND	5.0	03/25/09 14:29	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/25/09 14:29	
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/25/09 14:29	
Trichloroethene	ug/L	ND	5.0	03/25/09 14:29	
Trichlorofluoromethane	ug/L	ND	5.0	03/25/09 14:29	
Vinyl chloride	ug/L	ND	1.0	03/25/09 14:29	
1,2-Dichloroethane-d4 (S)	%	101	70-130	03/25/09 14:29	
4-Bromofluorobenzene (S)	%	99	70-130	03/25/09 14:29	
Toluene-d8 (S)	%	99	70-130	03/25/09 14:29	

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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

LABORATORY CONTROL SAMPLE: 41061

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.1	100	70-130	
1,1,2-Trichloroethane	ug/L	20	19.9	99	70-130	
1,1-Dichloroethane	ug/L	20	21.7	109	70-130	
1,1-Dichloroethene	ug/L	20	18.7	94	70-130	
1,2-Dichlorobenzene	ug/L	20	19.7	99	70-130	
1,2-Dichloroethane	ug/L	20	19.1	95	70-130	
1,2-Dichloropropane	ug/L	20	20.2	101	70-130	
1,3-Dichlorobenzene	ug/L	20	19.7	98	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	20	20.1	100	70-130	
2-Hexanone	ug/L	20	18.6	93	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.0	95	70-130	
Acetone	ug/L	20	17.6	88	70-130	
Benzene	ug/L	20	19.1	96	70-130	
Bromodichloromethane	ug/L	20	18.7	93	70-130	
Bromoform	ug/L	20	18.3	92	70-130	
Bromomethane	ug/L	20	16.2	81	70-130	
Carbon disulfide	ug/L	20	15.6	78	70-130	
Carbon tetrachloride	ug/L	20	19.7	98	70-130	
Chlorobenzene	ug/L	20	19.4	97	70-130	
Chloroethane	ug/L	20	13.1	66	70-130	L0
Chloroform	ug/L	20	21.2	106	70-130	
Chloromethane	ug/L	20	16.9	85	70-130	
cis-1,2-Dichloroethene	ug/L	20	21.3	106	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	
Dibromochloromethane	ug/L	20	19.5	98	70-130	
Ethylbenzene	ug/L	20	19.2	96	70-130	
m&p-Xylene	ug/L	40	41.1	103	70-130	
Methylene Chloride	ug/L	20	20.1	100	70-130	
o-Xylene	ug/L	20	20.1	100	70-130	
Styrene	ug/L	20	19.0	95	70-130	
Tetrachloroethene	ug/L	20	21.2	106	70-130	
Toluene	ug/L	20	19.0	95	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.1	90	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
Trichloroethene	ug/L	20	19.3	97	70-130	
Trichlorofluoromethane	ug/L	20	7.6	38	70-130	L0
Vinyl chloride	ug/L	20	16.4	82	70-130	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALIFIERS

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Essex-Hope 41568453.10000
Pace Project No.: 307381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
307381001	**PRE-CARB**	EPA 8260	MSV/2034		
307381002	**PRIMARY-EFF**	EPA 8260	MSV/2034		
307381003	**POST-CARB**	EPA 8260	MSV/2034		
307381004	**TB-01**	EPA 8260	MSV/2034		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: | of |

1231214

Section A Required Client Information:

Company: URS CORP
Address: 501 HOLIDAY DR. FOSTER PLAZA 4, 5TH FLOOR
PITTSBURGH, PA 15220
Email To:
Phone: 412-503-4700 Fax: 412-503-4701
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: MARK DOWIAK
Copy To: VALERIE SIBETO
Purchase Order No.: 41568453
Project Name: ESSEX/HOPE JAMESTOWN
Project Number: 41568453.10000

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VOCs 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PRE-CARB	WT	G			3.20.09	0905		3				X					X	X		001
2	PRIMARY-EFF						0910		3				X					X	X		002
3	POST-CARB						0915		3				X					X	X		003
4	POST-CARB						0945		3				X					X	X		Composite
5	POST-CARB						1015		3				X					X	X		
6	POST-CARB						1045		3				X					X	X		
7	TB-01	WT	V			3.20.09	—		2				X					X	X		004
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COMPOSITE FOUR (4) POST-CARB	Valerie Sibeto / URS	3.20.09	1100	FedEx #865644539226	3.20.09	1100				
SAMPLES IN LAB AND	FedEx			Justin AM Pace	3/21/09	1100	2.9	Y	N	Y
REPORT AS POST-CARB										
COMPOSITE										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: VALERIE SIBETO
SIGNATURE of SAMPLER: Valerie Sibeto DATE Signed (MM/DD/YY): 3.20.09

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

Sample Condition Upon Receipt

Pace Analytical

Client Name: URS Project # 307381

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

Tracking #: 8686 4453 9226

Optional
Proj. Due Date:
Proj. Name:

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

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 2.9 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: JP 3/21/09

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: Aq		
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: (VOA) coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed JP 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: Raelyn E Sforster Date: 3/23/09

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)

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April 28, 2009

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

RE: Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

Dear Mr. Dowiak:
Enclosed are the analytical results for sample(s) received by the laboratory on April 16, 2009. 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

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Greensburg, PA 15601
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CERTIFICATIONS

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

Pennsylvania Certification IDs
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
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
Puerto Rico Certification #: PA01457
Pennsylvania/NELAC Certification #: 65-282
Oregon/NELAC Certification #: PA200002

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SAMPLE ANALYTE COUNT

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
308644001	**Pre-Carb**	EPA 8260	MAK	42	PASI-PA
308644002	**Primary-EFF**	EPA 8260	MAK	42	PASI-PA
308644003	**Post-Carb**	EPA 8260	MAK	42	PASI-PA
308644004	**Trip Blank**	EPA 8260	MAK	42	PASI-PA

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

Sample: Pre-Carb **Lab ID: 308644001** Collected: 04/15/09 07:20 Received: 04/16/09 09:30 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		04/22/09 15:52	67-64-1	
Benzene	**5.0**	ug/L	1.0	1		04/22/09 15:52	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/22/09 15:52	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/22/09 15:52	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/22/09 15:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		04/22/09 15:52	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		04/22/09 15:52	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/22/09 15:52	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/22/09 15:52	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/22/09 15:52	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/22/09 15:52	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/22/09 15:52	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		04/22/09 15:52	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 15:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 15:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 15:52	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/22/09 15:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/22/09 15:52	107-06-2	
1,1-Dichloroethene	**11.1**	ug/L	5.0	1		04/22/09 15:52	75-35-4	
cis-1,2-Dichloroethene	**2820**	ug/L	200	40		04/22/09 16:20	156-59-2	
trans-1,2-Dichloroethene	**11.1**	ug/L	5.0	1		04/22/09 15:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/22/09 15:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/22/09 15:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/22/09 15:52	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/22/09 15:52	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		04/22/09 15:52	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		04/22/09 15:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		04/22/09 15:52	108-10-1	
Styrene	ND	ug/L	5.0	1		04/22/09 15:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/22/09 15:52	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/22/09 15:52	127-18-4	
Toluene	ND	ug/L	5.0	1		04/22/09 15:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/22/09 15:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/22/09 15:52	79-00-5	
Trichloroethene	**1400**	ug/L	200	40		04/22/09 16:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/22/09 15:52	75-69-4	
Vinyl chloride	**411**	ug/L	40.0	40		04/22/09 16:20	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		04/22/09 15:52	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		04/22/09 15:52	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		04/22/09 15:52	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		04/22/09 15:52	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		04/22/09 15:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

Sample: Primary-EFF **Lab ID: 308644002** Collected: 04/15/09 07:25 Received: 04/16/09 09:30 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		04/22/09 16:48	67-64-1	
Benzene	ND	ug/L	1.0	1		04/22/09 16:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/22/09 16:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/22/09 16:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/22/09 16:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		04/22/09 16:48	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		04/22/09 16:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/22/09 16:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/22/09 16:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/22/09 16:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/22/09 16:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/22/09 16:48	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		04/22/09 16:48	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 16:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 16:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 16:48	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/22/09 16:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/22/09 16:48	107-06-2	
1,1-Dichloroethene	**9.0**	ug/L	5.0	1		04/22/09 16:48	75-35-4	
cis-1,2-Dichloroethene	**3410**	ug/L	200	40		04/22/09 17:16	156-59-2	
trans-1,2-Dichloroethene	**9.0**	ug/L	5.0	1		04/22/09 16:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/22/09 16:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/22/09 16:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/22/09 16:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/22/09 16:48	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		04/22/09 16:48	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		04/22/09 16:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		04/22/09 16:48	108-10-1	
Styrene	ND	ug/L	5.0	1		04/22/09 16:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/22/09 16:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/22/09 16:48	127-18-4	
Toluene	ND	ug/L	5.0	1		04/22/09 16:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/22/09 16:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/22/09 16:48	79-00-5	
Trichloroethene	**155**	ug/L	5.0	1		04/22/09 16:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/22/09 16:48	75-69-4	
Vinyl chloride	**318**	ug/L	1.0	1		04/22/09 16:48	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		04/22/09 16:48	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		04/22/09 16:48	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		04/22/09 16:48	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		04/22/09 16:48	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		04/22/09 16:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

Sample: Post-Carb **Lab ID: 308644003** Collected: 04/15/09 07:30 Received: 04/16/09 09:30 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		04/22/09 17:44	67-64-1	
Benzene	ND	ug/L	1.0	1		04/22/09 17:44	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/22/09 17:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/22/09 17:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/22/09 17:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		04/22/09 17:44	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		04/22/09 17:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/22/09 17:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/22/09 17:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/22/09 17:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/22/09 17:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/22/09 17:44	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		04/22/09 17:44	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 17:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 17:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 17:44	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/22/09 17:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/22/09 17:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/22/09 17:44	75-35-4	
cis-1,2-Dichloroethene	**82.1**	ug/L	5.0	1		04/22/09 17:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/22/09 17:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/22/09 17:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/22/09 17:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/22/09 17:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/22/09 17:44	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		04/22/09 17:44	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		04/22/09 17:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		04/22/09 17:44	108-10-1	
Styrene	ND	ug/L	5.0	1		04/22/09 17:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/22/09 17:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/22/09 17:44	127-18-4	
Toluene	ND	ug/L	5.0	1		04/22/09 17:44	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/22/09 17:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/22/09 17:44	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/22/09 17:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/22/09 17:44	75-69-4	
Vinyl chloride	**327**	ug/L	1.0	1		04/22/09 17:44	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		04/22/09 17:44	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		04/22/09 17:44	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		04/22/09 17:44	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		04/22/09 17:44	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		04/22/09 17:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

Sample: Trip Blank **Lab ID: 308644004** Collected: 04/15/09 00:00 Received: 04/16/09 09:30 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		04/22/09 13:32	67-64-1	
Benzene	ND	ug/L	1.0	1		04/22/09 13:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/22/09 13:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/22/09 13:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/22/09 13:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		04/22/09 13:32	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		04/22/09 13:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/22/09 13:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/22/09 13:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/22/09 13:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/22/09 13:32	67-66-3	
Chloromethane	**6.0**	ug/L	5.0	1		04/22/09 13:32	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		04/22/09 13:32	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 13:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 13:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/22/09 13:32	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/22/09 13:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/22/09 13:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/22/09 13:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/22/09 13:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/22/09 13:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/22/09 13:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/22/09 13:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/22/09 13:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/22/09 13:32	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		04/22/09 13:32	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		04/22/09 13:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		04/22/09 13:32	108-10-1	
Styrene	ND	ug/L	5.0	1		04/22/09 13:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/22/09 13:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/22/09 13:32	127-18-4	
Toluene	ND	ug/L	5.0	1		04/22/09 13:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/22/09 13:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/22/09 13:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/22/09 13:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/22/09 13:32	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		04/22/09 13:32	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		04/22/09 13:32	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		04/22/09 13:32	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		04/22/09 13:32	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		04/22/09 13:32	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		04/22/09 13:32	2037-26-5	

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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

QC Batch: MSV/2295 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 308644001, 308644002, 308644003, 308644004

METHOD BLANK: 49695 Matrix: Water
Associated Lab Samples: 308644001, 308644002, 308644003, 308644004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/22/09 13:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/22/09 13:04	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/22/09 13:04	
1,1-Dichloroethane	ug/L	ND	5.0	04/22/09 13:04	
1,1-Dichloroethene	ug/L	ND	5.0	04/22/09 13:04	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/22/09 13:04	
1,2-Dichloroethane	ug/L	ND	5.0	04/22/09 13:04	
1,2-Dichloropropane	ug/L	ND	5.0	04/22/09 13:04	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/22/09 13:04	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/22/09 13:04	
2-Butanone (MEK)	ug/L	ND	10.0	04/22/09 13:04	
2-Hexanone	ug/L	ND	10.0	04/22/09 13:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	04/22/09 13:04	
Acetone	ug/L	ND	10.0	04/22/09 13:04	
Benzene	ug/L	ND	1.0	04/22/09 13:04	
Bromodichloromethane	ug/L	ND	5.0	04/22/09 13:04	
Bromoform	ug/L	ND	5.0	04/22/09 13:04	
Bromomethane	ug/L	ND	5.0	04/22/09 13:04	
Carbon disulfide	ug/L	ND	5.0	04/22/09 13:04	
Carbon tetrachloride	ug/L	ND	5.0	04/22/09 13:04	
Chlorobenzene	ug/L	ND	5.0	04/22/09 13:04	
Chloroethane	ug/L	ND	5.0	04/22/09 13:04	
Chloroform	ug/L	ND	5.0	04/22/09 13:04	
Chloromethane	ug/L	ND	5.0	04/22/09 13:04	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/22/09 13:04	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/22/09 13:04	
Dibromochloromethane	ug/L	ND	5.0	04/22/09 13:04	
Ethylbenzene	ug/L	ND	5.0	04/22/09 13:04	
m&p-Xylene	ug/L	ND	5.0	04/22/09 13:04	
Methylene Chloride	ug/L	ND	5.0	04/22/09 13:04	
o-Xylene	ug/L	ND	5.0	04/22/09 13:04	
Styrene	ug/L	ND	5.0	04/22/09 13:04	
Tetrachloroethene	ug/L	ND	5.0	04/22/09 13:04	
Toluene	ug/L	ND	5.0	04/22/09 13:04	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/22/09 13:04	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/22/09 13:04	
Trichloroethene	ug/L	ND	5.0	04/22/09 13:04	
Trichlorofluoromethane	ug/L	ND	5.0	04/22/09 13:04	
Vinyl chloride	ug/L	ND	1.0	04/22/09 13:04	
1,2-Dichloroethane-d4 (S)	%	107	70-130	04/22/09 13:04	
4-Bromofluorobenzene (S)	%	97	70-130	04/22/09 13:04	
Toluene-d8 (S)	%	98	70-130	04/22/09 13:04	

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(724)850-5600

QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

LABORATORY CONTROL SAMPLE: 49696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.8	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.4	97	70-130	
1,1,2-Trichloroethane	ug/L	20	17.6	88	70-130	
1,1-Dichloroethane	ug/L	20	19.9	100	70-130	
1,1-Dichloroethene	ug/L	20	17.9	90	70-130	
1,2-Dichlorobenzene	ug/L	20	19.3	97	70-130	
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
1,2-Dichloropropane	ug/L	20	17.1	86	70-130	
1,3-Dichlorobenzene	ug/L	20	19.1	96	70-130	
1,4-Dichlorobenzene	ug/L	20	19.3	97	70-130	
2-Butanone (MEK)	ug/L	20	19.0	95	70-130	
2-Hexanone	ug/L	20	17.3	87	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.5	88	70-130	
Acetone	ug/L	20	20.0	100	70-130	
Benzene	ug/L	20	17.0	85	70-130	
Bromodichloromethane	ug/L	20	15.6	78	70-130	
Bromoform	ug/L	20	9.8	49	70-130	L0
Bromomethane	ug/L	20	22.7	113	70-130	
Carbon disulfide	ug/L	20	17.0	85	70-130	
Carbon tetrachloride	ug/L	20	13.4	67	70-130	L0
Chlorobenzene	ug/L	20	17.3	86	70-130	
Chloroethane	ug/L	20	13.2	66	70-130	L0
Chloroform	ug/L	20	19.7	98	70-130	
Chloromethane	ug/L	20	19.1	95	70-130	
cis-1,2-Dichloroethene	ug/L	20	20.9	104	70-130	
cis-1,3-Dichloropropene	ug/L	20	16.1	81	70-130	
Dibromochloromethane	ug/L	20	11.6	58	70-130	L0
Ethylbenzene	ug/L	20	17.3	86	70-130	
m&p-Xylene	ug/L	40	34.9	87	70-130	
Methylene Chloride	ug/L	20	19.4	97	70-130	
o-Xylene	ug/L	20	16.9	84	70-130	
Styrene	ug/L	20	16.9	85	70-130	
Tetrachloroethene	ug/L	20	19.5	97	70-130	
Toluene	ug/L	20	17.3	86	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.9	90	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.4	87	70-130	
Trichloroethene	ug/L	20	16.3	82	70-130	
Trichlorofluoromethane	ug/L	20	19.2	96	70-130	
Vinyl chloride	ug/L	20	20.5	102	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			88	70-130	

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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		49697			49698						
Parameter	Units	308874001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	6.1	20	20	24.7	26.3	93	101	70-130	6	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	17.6	18.1	88	91	70-130	3	
1,1,2-Trichloroethane	ug/L	ND	20	20	19.1	19.9	95	99	70-130	4	
1,1-Dichloroethane	ug/L	1.1	20	20	20.5	21.6	97	103	70-130	5	
1,1-Dichloroethene	ug/L	ND	20	20	18.1	19.8	91	99	70-130	9	
1,2-Dichlorobenzene	ug/L	ND	20	20	18.0	19.1	90	96	70-130	6	
1,2-Dichloroethane	ug/L	ND	20	20	20.2	20.5	101	102	70-130	1	
1,2-Dichloropropane	ug/L	ND	20	20	18.6	19.0	93	95	70-130	2	
1,3-Dichlorobenzene	ug/L	ND	20	20	16.9	19.2	85	96	70-130	13	
1,4-Dichlorobenzene	ug/L	ND	20	20	17.6	18.2	88	91	70-130	3	
2-Butanone (MEK)	ug/L	ND	20	20	18.5	17.3	93	87	70-130	7	
2-Hexanone	ug/L	ND	20	20	18.1	18.1	91	90	70-130	.3	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	18.7	18.2	94	91	70-130	3	
Acetone	ug/L	ND	20	20	21.7	18.9	109	95	70-130	14	
Benzene	ug/L	ND	20	20	18.1	19.2	90	96	70-130	6	
Bromodichloromethane	ug/L	ND	20	20	15.0	16.5	75	82	70-130	9	
Bromoform	ug/L	ND	20	20	9.3	9.5	46	48	70-130	3	M0
Bromomethane	ug/L	ND	20	20	11.5	16.2	58	81	70-130	34	M0,R1
Carbon disulfide	ug/L	ND	20	20	16.5	15.5	83	77	70-130	6	
Carbon tetrachloride	ug/L	ND	20	20	13.5	15.0	67	75	70-130	11	M0
Chlorobenzene	ug/L	ND	20	20	18.2	19.0	91	95	70-130	4	
Chloroethane	ug/L	ND	20	20	14.4	13.9	72	69	70-130	4	M0
Chloroform	ug/L	ND	20	20	19.8	20.3	99	102	70-130	3	
Chloromethane	ug/L	ND	20	20	19.5	19.5	97	98	70-130	.4	
cis-1,2-Dichloroethene	ug/L	7.6	20	20	28.9	29.6	107	110	70-130	2	
cis-1,3-Dichloropropene	ug/L	ND	20	20	16.6	17.3	83	87	70-130	4	
Dibromochloromethane	ug/L	ND	20	20	11.1	11.7	56	58	70-130	5	M0
Ethylbenzene	ug/L	ND	20	20	18.3	19.3	92	96	70-130	5	
m&p-Xylene	ug/L	ND	40	40	36.4	39.1	91	98	70-130	7	
Methylene Chloride	ug/L	ND	20	20	18.4	19.4	92	97	70-130	5	
o-Xylene	ug/L	ND	20	20	17.9	18.5	90	93	70-130	3	
Styrene	ug/L	ND	20	20	16.9	18.1	84	90	70-130	7	
Tetrachloroethene	ug/L	2.4	20	20	21.5	22.7	96	101	70-130	5	
Toluene	ug/L	ND	20	20	18.3	19.5	91	98	70-130	7	
trans-1,2-Dichloroethene	ug/L	ND	20	20	18.1	19.8	91	99	70-130	9	
trans-1,3-Dichloropropene	ug/L	ND	20	20	17.8	18.0	89	90	70-130	1	
Trichloroethene	ug/L	133	20	20	150	148	81	70	70-130	1	
Trichlorofluoromethane	ug/L	1.4	20	20	21.7	21.8	102	102	70-130	.5	
Vinyl chloride	ug/L	ND	20	20	22.4	21.7	112	108	70-130	3	
1,2-Dichloroethane-d4 (S)	%						100	106	70-130		
4-Bromofluorobenzene (S)	%						95	100	70-130		
Toluene-d8 (S)	%						95	97	70-130		

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QUALIFIERS

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

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.
M0	Matrix spike recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Essex-Hope 41568453.10000
Pace Project No.: 308644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
308644001	**Pre-Carb**	EPA 8260	MSV/2295		
308644002	**Primary-EFF**	EPA 8260	MSV/2295		
308644003	**Post-Carb**	EPA 8260	MSV/2295		
308644004	**Trip Blank**	EPA 8260	MSV/2295		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1295166

Section A Required Client Information:

Company: URS CORP
Address: FOSTER PLAZA 4, STE. 300 501 HOLIDAY DR. PITTSBURGH, PA 15220
Email To:
Phone: 412-503-4700 Fax: 412-503-4701
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: MARK DOWIAK
Copy To: VALERIE SIBETO
Purchase Order No.: 41568453
Project Name: ESSEX/HOPE JAMESTOWN
Project Number: 41568453.10000

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NY

Section D Required Client Information

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste 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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOCs 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PRE-CARB	WT	G			4.15.09	0720		3				X					XXX		001
2	PRIMARY-EFF						0725		3				X					XXX		002
3	POST-CARB						0730		3				X					XXX		003
4	POST-CARB						0800		3				X					XXX		
5	POST-CARB						0830		3				X					XXX		
6	POST-CARB					↓	0900		3				X					XXX		↓
7	TB-01	↓	↓			4.15.09	—		2				X					X		004
8																				
9																				
10																				
11																				
12																				

3086044

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COMPOSITE FOUR (4) POST-CARB SAMPLES IN LAB AND REPORT AS POST-CARB COMPOSITE.	[signature] URS	4.15.09		[signature]	4.15.09					
	FedEx			Justin Miller	4/16/09	0930	4.1	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: VALERIE SIBETO

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4.15.09

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: URS Project # 3086644

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

Tracking #: 8656 4453 9248

Optional
Proj. Due Date:
Proj. Name:

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

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 4.1 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: JP 4/16/09

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: AQ		
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: (VOA), coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed JP / 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: Raelyn E Schroeder Date: 4/17/09

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)

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June 08, 2009

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

RE: Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

Dear Mr. Dowiak:
Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2009. 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

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CERTIFICATIONS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

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
Puerto Rico Certification #: PA01457
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

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SAMPLE ANALYTE COUNT

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3010451001	**Pre-Carb**	EPA 8260	JHC	42	PASI-PA
3010451002	**Primary-EFF**	EPA 8260	JHC	42	PASI-PA
3010451003	**Post Carb**	EPA 8260	JHC	42	PASI-PA
3010451004	**TB-01**	EPA 8260	JHC	42	PASI-PA

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

Sample: Pre-Carb **Lab ID: 3010451001** Collected: 05/26/09 11:50 Received: 05/27/09 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		06/02/09 19:11	67-64-1	
Benzene	7.7	ug/L	1.0	1		06/02/09 19:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/02/09 19:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/02/09 19:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/02/09 19:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		06/02/09 19:11	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		06/02/09 19:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/02/09 19:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/02/09 19:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/02/09 19:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/02/09 19:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/02/09 19:11	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		06/02/09 19:11	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/02/09 19:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/02/09 19:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/02/09 19:11	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/02/09 19:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/02/09 19:11	107-06-2	
1,1-Dichloroethene	**16.9**	ug/L	5.0	1		06/02/09 19:11	75-35-4	
cis-1,2-Dichloroethene	**4820**	ug/L	500	100		06/05/09 02:38	156-59-2	
trans-1,2-Dichloroethene	**16.9**	ug/L	5.0	1		06/02/09 19:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/02/09 19:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/02/09 19:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/02/09 19:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/02/09 19:11	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		06/02/09 19:11	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		06/02/09 19:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		06/02/09 19:11	108-10-1	
Styrene	ND	ug/L	5.0	1		06/02/09 19:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/02/09 19:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/02/09 19:11	127-18-4	
Toluene	ND	ug/L	5.0	1		06/02/09 19:11	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/02/09 19:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/02/09 19:11	79-00-5	
Trichloroethene	**2480**	ug/L	500	100		06/05/09 02:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/02/09 19:11	75-69-4	
Vinyl chloride	**585**	ug/L	100	100		06/05/09 02:38	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		06/02/09 19:11	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		06/02/09 19:11	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130	1		06/02/09 19:11	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		06/02/09 19:11	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/02/09 19:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

Sample: Primary-EFF **Lab ID: 3010451002** Collected: 05/26/09 11:55 Received: 05/27/09 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		06/05/09 00:48	67-64-1	
Benzene	ND	ug/L	1.0	1		06/05/09 00:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/05/09 00:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/05/09 00:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/05/09 00:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		06/05/09 00:48	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		06/05/09 00:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/05/09 00:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/05/09 00:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/05/09 00:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/05/09 00:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/05/09 00:48	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		06/05/09 00:48	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/05/09 00:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/05/09 00:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/05/09 00:48	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/05/09 00:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/05/09 00:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/05/09 00:48	75-35-4	
cis-1,2-Dichloroethene	**151**	ug/L	5.0	1		06/05/09 00:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/05/09 00:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/05/09 00:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/05/09 00:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/05/09 00:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/05/09 00:48	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		06/05/09 00:48	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		06/05/09 00:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		06/05/09 00:48	108-10-1	
Styrene	ND	ug/L	5.0	1		06/05/09 00:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/05/09 00:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/05/09 00:48	127-18-4	
Toluene	ND	ug/L	5.0	1		06/05/09 00:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/05/09 00:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/05/09 00:48	79-00-5	
Trichloroethene	**5.3**	ug/L	5.0	1		06/05/09 00:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/05/09 00:48	75-69-4	
Vinyl chloride	**4.8**	ug/L	1.0	1		06/05/09 00:48	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		06/05/09 00:48	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		06/05/09 00:48	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		06/05/09 00:48	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		06/05/09 00:48	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		06/05/09 00:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

Sample: Post Carb **Lab ID: 3010451003** Collected: 05/26/09 12:00 Received: 05/27/09 10:30 Matrix: Water

Comments: • This sample was composited prior to analysis.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		06/05/09 01:16	67-64-1	
Benzene	ND	ug/L	1.0	1		06/05/09 01:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/05/09 01:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/05/09 01:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/05/09 01:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		06/05/09 01:16	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		06/05/09 01:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/05/09 01:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/05/09 01:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/05/09 01:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/05/09 01:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/05/09 01:16	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		06/05/09 01:16	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/05/09 01:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/05/09 01:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/05/09 01:16	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/05/09 01:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/05/09 01:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/05/09 01:16	75-35-4	
cis-1,2-Dichloroethene	**42.9**	ug/L	5.0	1		06/05/09 01:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/05/09 01:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/05/09 01:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/05/09 01:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/05/09 01:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/05/09 01:16	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		06/05/09 01:16	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		06/05/09 01:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		06/05/09 01:16	108-10-1	
Styrene	ND	ug/L	5.0	1		06/05/09 01:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/05/09 01:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/05/09 01:16	127-18-4	
Toluene	ND	ug/L	5.0	1		06/05/09 01:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/05/09 01:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/05/09 01:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/05/09 01:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/05/09 01:16	75-69-4	
Vinyl chloride	**11.8**	ug/L	1.0	1		06/05/09 01:16	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		06/05/09 01:16	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		06/05/09 01:16	95-47-6	
4-Bromofluorobenzene (S)	94	%	70-130	1		06/05/09 01:16	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		06/05/09 01:16	17060-07-0	
Toluene-d8 (S)	104	%	70-130	1		06/05/09 01:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

Sample: TB-01 **Lab ID: 3010451004** Collected: 05/26/09 00:00 Received: 05/27/09 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		06/02/09 17:21	67-64-1	
Benzene	ND	ug/L	1.0	1		06/02/09 17:21	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/02/09 17:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/02/09 17:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/02/09 17:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		06/02/09 17:21	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		06/02/09 17:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/02/09 17:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/02/09 17:21	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/02/09 17:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/02/09 17:21	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/02/09 17:21	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		06/02/09 17:21	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/02/09 17:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/02/09 17:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/02/09 17:21	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/02/09 17:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/02/09 17:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/02/09 17:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/02/09 17:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/02/09 17:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/02/09 17:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/02/09 17:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/02/09 17:21	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/02/09 17:21	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		06/02/09 17:21	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		06/02/09 17:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		06/02/09 17:21	108-10-1	
Styrene	ND	ug/L	5.0	1		06/02/09 17:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/02/09 17:21	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/02/09 17:21	127-18-4	
Toluene	ND	ug/L	5.0	1		06/02/09 17:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/02/09 17:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/02/09 17:21	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/02/09 17:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/02/09 17:21	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		06/02/09 17:21	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		06/02/09 17:21	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		06/02/09 17:21	95-47-6	
4-Bromofluorobenzene (S)	103	%	70-130	1		06/02/09 17:21	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		06/02/09 17:21	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		06/02/09 17:21	2037-26-5	

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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

QC Batch: MSV/2623 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3010451001, 3010451002, 3010451003, 3010451004

METHOD BLANK: 60501 Matrix: Water
Associated Lab Samples: 3010451001, 3010451002, 3010451003, 3010451004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/02/09 16:54	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/02/09 16:54	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/02/09 16:54	
1,1-Dichloroethane	ug/L	ND	5.0	06/02/09 16:54	
1,1-Dichloroethene	ug/L	ND	5.0	06/02/09 16:54	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/02/09 16:54	
1,2-Dichloroethane	ug/L	ND	5.0	06/02/09 16:54	
1,2-Dichloropropane	ug/L	ND	5.0	06/02/09 16:54	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/02/09 16:54	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/02/09 16:54	
2-Butanone (MEK)	ug/L	ND	10.0	06/02/09 16:54	
2-Hexanone	ug/L	ND	10.0	06/02/09 16:54	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	06/02/09 16:54	
Acetone	ug/L	ND	10.0	06/02/09 16:54	
Benzene	ug/L	ND	1.0	06/02/09 16:54	
Bromodichloromethane	ug/L	ND	5.0	06/02/09 16:54	
Bromoform	ug/L	ND	5.0	06/02/09 16:54	
Bromomethane	ug/L	ND	5.0	06/02/09 16:54	
Carbon disulfide	ug/L	ND	5.0	06/02/09 16:54	
Carbon tetrachloride	ug/L	ND	5.0	06/02/09 16:54	
Chlorobenzene	ug/L	ND	5.0	06/02/09 16:54	
Chloroethane	ug/L	ND	5.0	06/02/09 16:54	
Chloroform	ug/L	ND	5.0	06/02/09 16:54	
Chloromethane	ug/L	ND	5.0	06/02/09 16:54	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/02/09 16:54	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/02/09 16:54	
Dibromochloromethane	ug/L	ND	5.0	06/02/09 16:54	
Ethylbenzene	ug/L	ND	5.0	06/02/09 16:54	
m&p-Xylene	ug/L	ND	5.0	06/02/09 16:54	
Methylene Chloride	ug/L	ND	5.0	06/02/09 16:54	
o-Xylene	ug/L	ND	5.0	06/02/09 16:54	
Styrene	ug/L	ND	5.0	06/02/09 16:54	
Tetrachloroethene	ug/L	ND	5.0	06/02/09 16:54	
Toluene	ug/L	ND	5.0	06/02/09 16:54	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/02/09 16:54	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/02/09 16:54	
Trichloroethene	ug/L	ND	5.0	06/02/09 16:54	
Trichlorofluoromethane	ug/L	ND	5.0	06/02/09 16:54	
Vinyl chloride	ug/L	ND	1.0	06/02/09 16:54	
1,2-Dichloroethane-d4 (S)	%	101	70-130	06/02/09 16:54	
4-Bromofluorobenzene (S)	%	93	70-130	06/02/09 16:54	
Toluene-d8 (S)	%	96	70-130	06/02/09 16:54	

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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

LABORATORY CONTROL SAMPLE: 60502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.0	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,2-Trichloroethane	ug/L	20	24.6	123	70-130	
1,1-Dichloroethane	ug/L	20	22.1	111	70-130	
1,1-Dichloroethene	ug/L	20	19.6	98	70-130	
1,2-Dichlorobenzene	ug/L	20	22.2	111	70-130	
1,2-Dichloroethane	ug/L	20	20.8	104	70-130	
1,2-Dichloropropane	ug/L	20	22.1	111	70-130	
1,3-Dichlorobenzene	ug/L	20	21.6	108	70-130	
1,4-Dichlorobenzene	ug/L	20	21.4	107	70-130	
2-Butanone (MEK)	ug/L	20	20.1	101	70-130	
2-Hexanone	ug/L	20	22.8	114	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.2	106	70-130	
Acetone	ug/L	20	23.5	118	70-130	
Benzene	ug/L	20	21.0	105	70-130	
Bromodichloromethane	ug/L	20	22.9	115	70-130	
Bromoform	ug/L	20	24.6	123	70-130	
Bromomethane	ug/L	20	19.9	99	70-130	
Carbon disulfide	ug/L	20	20.7	103	70-130	
Carbon tetrachloride	ug/L	20	22.9	115	70-130	
Chlorobenzene	ug/L	20	22.6	113	70-130	
Chloroethane	ug/L	20	12.3	62	70-130	L0
Chloroform	ug/L	20	22.8	114	70-130	
Chloromethane	ug/L	20	15.0	75	70-130	
cis-1,2-Dichloroethene	ug/L	20	21.8	109	70-130	
cis-1,3-Dichloropropene	ug/L	20	21.3	107	70-130	
Dibromochloromethane	ug/L	20	22.9	114	70-130	
Ethylbenzene	ug/L	20	21.9	109	70-130	
m&p-Xylene	ug/L	40	43.6	109	70-130	
Methylene Chloride	ug/L	20	21.6	108	70-130	
o-Xylene	ug/L	20	21.9	110	70-130	
Styrene	ug/L	20	23.1	116	70-130	
Tetrachloroethene	ug/L	20	22.7	114	70-130	
Toluene	ug/L	20	20.9	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
trans-1,3-Dichloropropene	ug/L	20	23.0	115	70-130	
Trichloroethene	ug/L	20	22.1	111	70-130	
Trichlorofluoromethane	ug/L	20	19.1	95	70-130	
Vinyl chloride	ug/L	20	18.2	91	70-130	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			92	70-130	
Toluene-d8 (S)	%			102	70-130	

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QUALIFIERS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Essex-Hope 41568453.10000
Pace Project No.: 3010451

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3010451001	**Pre-Carb**	EPA 8260	MSV/2623		
3010451002	**Primary-EFF**	EPA 8260	MSV/2623		
3010451003	**Post Carb**	EPA 8260	MSV/2623		
3010451004	**TB-01**	EPA 8260	MSV/2623		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1294725

Section A Required Client Information:

Company: URS CORP.
Address: 501 HOLIDAY DR. FOSTER PLAZA 4, STE 300, PITTSBURGH, PA 15220
Email To:
Phone: 412-503-4700 Fax: 412-503-4701
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: MARK DOWIAK
Copy To: VALERIE SIBETO
Purchase Order No.: 41568453
Project Name: ESSEX/HOPE JAMESTOWN
Project Number: 41568453.10000

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NY

Section D Required Client Information

Matrix Codes (MATRIX : CODE): Drinking Water DW; Water WT; Waste 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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: VOCs 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PRE-CARB	WT	G			5.26.09	1150		3				X					Y	X		001
2	PRIMARY EFF	WT	G				1155		3				X					Y	X		002
3	POST-CARB	WT	G				1200		3				X					Y	X		003
4	POST-CARB	WT	G				1230		3				X					Y	X		
5	POST-CARB	WT	G				1300		3				X					Y	X		
6	POST-CARB	WT	G				1330		3				X					Y	X		
7	TB-01	WT	G			5.26.09	—		2				X					Y	X		004
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COMPOSITE FOUR (4)	Valerie Sibeto/URS	5.26.09	1355	FedEx	5.26.09	1355				
POST-CARB SAMPLES IN LAB AND REPORT AS POST-CARB COMPOSITE.		Fed Ex -		C Urbourity Pace	5.27.09	1030	5.5	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: VALERIE SIBETO

SIGNATURE of SAMPLER: Valerie Sibeto DATE Signed (MM/DD/YY): 5.26.09

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: URS Project # 3010451

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

Optional
Proj. Due Date:
Proj. Name:

Tracking #: _____

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

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 5.5 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: CAW 5.27

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: WT		
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: (VOA), coliform, TOC, O&G, WI-DRO (water)	(Yes) ☐No	Initial when completed: CAW / 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: Raelyn Sylvester Date: 5/27/09

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)

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July 13, 2009

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

RE: Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

Dear Mr. Dowiak:
Enclosed are the analytical results for sample(s) received by the laboratory on July 01, 2009. 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

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CERTIFICATIONS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

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
Puerto Rico Certification #: PA01457
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

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SAMPLE ANALYTE COUNT

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3012195001	**Pre-Carb**	EPA 8260	JAS	42	PASI-PA
3012195002	**PRIMARY-EFF**	EPA 8260	JAS	42	PASI-PA
3012195003	**POST CARB**	EPA 8260	JAS	42	PASI-PA
3012195004	**TB-01**	EPA 8260	JAS	42	PASI-PA

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

Sample: Pre-Carb **Lab ID: 3012195001** Collected: 06/30/09 08:45 Received: 07/01/09 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		07/06/09 17:11	67-64-1	
Benzene	**6.3**	ug/L	1.0	1		07/06/09 17:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		07/06/09 17:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/06/09 17:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/06/09 17:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		07/06/09 17:11	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		07/06/09 17:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/06/09 17:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		07/06/09 17:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/06/09 17:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/06/09 17:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/06/09 17:11	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		07/06/09 17:11	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 17:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 17:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 17:11	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/06/09 17:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/06/09 17:11	107-06-2	
1,1-Dichloroethene	**13.6**	ug/L	5.0	1		07/06/09 17:11	75-35-4	
cis-1,2-Dichloroethene	**3460**	ug/L	200	40		07/06/09 17:37	156-59-2	
trans-1,2-Dichloroethene	**19.4**	ug/L	5.0	1		07/06/09 17:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/06/09 17:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/06/09 17:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/06/09 17:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/06/09 17:11	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		07/06/09 17:11	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		07/06/09 17:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		07/06/09 17:11	108-10-1	
Styrene	ND	ug/L	5.0	1		07/06/09 17:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/06/09 17:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/06/09 17:11	127-18-4	
Toluene	ND	ug/L	5.0	1		07/06/09 17:11	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/06/09 17:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/06/09 17:11	79-00-5	
Trichloroethene	**1780**	ug/L	200	40		07/06/09 17:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/06/09 17:11	75-69-4	
Vinyl chloride	**443**	ug/L	40.0	40		07/06/09 17:37	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		07/06/09 17:11	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		07/06/09 17:11	95-47-6	
4-Bromofluorobenzene (S)	103	%	70-130	1		07/06/09 17:11	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		07/06/09 17:11	17060-07-0	
Toluene-d8 (S)	104	%	70-130	1		07/06/09 17:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

Sample: PRIMARY-EFF **Lab ID: 3012195002** Collected: 06/30/09 08:50 Received: 07/01/09 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		07/06/09 18:03	67-64-1	
Benzene	ND	ug/L	1.0	1		07/06/09 18:03	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		07/06/09 18:03	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/06/09 18:03	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/06/09 18:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		07/06/09 18:03	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		07/06/09 18:03	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/06/09 18:03	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		07/06/09 18:03	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/06/09 18:03	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/06/09 18:03	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/06/09 18:03	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		07/06/09 18:03	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 18:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 18:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 18:03	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/06/09 18:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/06/09 18:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/06/09 18:03	75-35-4	
cis-1,2-Dichloroethene	**60.9**	ug/L	5.0	1		07/06/09 18:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/06/09 18:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/06/09 18:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/06/09 18:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/06/09 18:03	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/06/09 18:03	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		07/06/09 18:03	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		07/06/09 18:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		07/06/09 18:03	108-10-1	
Styrene	ND	ug/L	5.0	1		07/06/09 18:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/06/09 18:03	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/06/09 18:03	127-18-4	
Toluene	ND	ug/L	5.0	1		07/06/09 18:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/06/09 18:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/06/09 18:03	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		07/06/09 18:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/06/09 18:03	75-69-4	
Vinyl chloride	**287**	ug/L	1.0	1		07/06/09 18:03	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		07/06/09 18:03	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		07/06/09 18:03	95-47-6	
4-Bromofluorobenzene (S)	100	%	70-130	1		07/06/09 18:03	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		07/06/09 18:03	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		07/06/09 18:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

Sample: POST CARB **Lab ID: 3012195003** Collected: 06/30/09 08:50 Received: 07/01/09 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		07/06/09 18:55	67-64-1	
Benzene	ND	ug/L	1.0	1		07/06/09 18:55	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		07/06/09 18:55	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/06/09 18:55	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/06/09 18:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		07/06/09 18:55	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		07/06/09 18:55	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/06/09 18:55	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		07/06/09 18:55	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/06/09 18:55	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/06/09 18:55	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/06/09 18:55	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		07/06/09 18:55	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 18:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 18:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 18:55	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/06/09 18:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/06/09 18:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/06/09 18:55	75-35-4	
cis-1,2-Dichloroethene	**22.0**	ug/L	5.0	1		07/06/09 18:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/06/09 18:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/06/09 18:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/06/09 18:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/06/09 18:55	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/06/09 18:55	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		07/06/09 18:55	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		07/06/09 18:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		07/06/09 18:55	108-10-1	
Styrene	ND	ug/L	5.0	1		07/06/09 18:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/06/09 18:55	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/06/09 18:55	127-18-4	
Toluene	ND	ug/L	5.0	1		07/06/09 18:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/06/09 18:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/06/09 18:55	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		07/06/09 18:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/06/09 18:55	75-69-4	
Vinyl chloride	**4.3**	ug/L	1.0	1		07/06/09 18:55	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		07/06/09 18:55	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		07/06/09 18:55	95-47-6	
4-Bromofluorobenzene (S)	96	%	70-130	1		07/06/09 18:55	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		07/06/09 18:55	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		07/06/09 18:55	2037-26-5	

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Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

Sample: TB-01 **Lab ID: 3012195004** Collected: 06/30/09 00:00 Received: 07/01/09 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		07/06/09 16:45	67-64-1	
Benzene	ND	ug/L	1.0	1		07/06/09 16:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		07/06/09 16:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/06/09 16:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/06/09 16:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		07/06/09 16:45	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		07/06/09 16:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/06/09 16:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		07/06/09 16:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/06/09 16:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/06/09 16:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/06/09 16:45	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		07/06/09 16:45	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 16:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 16:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/06/09 16:45	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/06/09 16:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/06/09 16:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/06/09 16:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/06/09 16:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/06/09 16:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/06/09 16:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/06/09 16:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/06/09 16:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/06/09 16:45	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		07/06/09 16:45	591-78-6	
Methylene Chloride	ND	ug/L	5.0	1		07/06/09 16:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		07/06/09 16:45	108-10-1	
Styrene	ND	ug/L	5.0	1		07/06/09 16:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/06/09 16:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/06/09 16:45	127-18-4	
Toluene	ND	ug/L	5.0	1		07/06/09 16:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/06/09 16:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/06/09 16:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		07/06/09 16:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/06/09 16:45	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		07/06/09 16:45	75-01-4	
m&p-Xylene	ND	ug/L	5.0	1		07/06/09 16:45	1330-20-7	
o-Xylene	ND	ug/L	5.0	1		07/06/09 16:45	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		07/06/09 16:45	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		07/06/09 16:45	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		07/06/09 16:45	2037-26-5	

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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

QC Batch: MSV/3000 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3012195001, 3012195002, 3012195003, 3012195004

METHOD BLANK: 72548 Matrix: Water
Associated Lab Samples: 3012195001, 3012195002, 3012195003, 3012195004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	07/06/09 16:19	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	07/06/09 16:19	
1,1,2-Trichloroethane	ug/L	ND	5.0	07/06/09 16:19	
1,1-Dichloroethane	ug/L	ND	5.0	07/06/09 16:19	
1,1-Dichloroethene	ug/L	ND	5.0	07/06/09 16:19	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/06/09 16:19	
1,2-Dichloroethane	ug/L	ND	5.0	07/06/09 16:19	
1,2-Dichloropropane	ug/L	ND	5.0	07/06/09 16:19	
1,3-Dichlorobenzene	ug/L	ND	5.0	07/06/09 16:19	
1,4-Dichlorobenzene	ug/L	ND	5.0	07/06/09 16:19	
2-Butanone (MEK)	ug/L	ND	10.0	07/06/09 16:19	
2-Hexanone	ug/L	ND	10.0	07/06/09 16:19	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	07/06/09 16:19	
Acetone	ug/L	ND	10.0	07/06/09 16:19	
Benzene	ug/L	ND	1.0	07/06/09 16:19	
Bromodichloromethane	ug/L	ND	5.0	07/06/09 16:19	
Bromoform	ug/L	ND	5.0	07/06/09 16:19	
Bromomethane	ug/L	ND	5.0	07/06/09 16:19	
Carbon disulfide	ug/L	ND	5.0	07/06/09 16:19	
Carbon tetrachloride	ug/L	ND	5.0	07/06/09 16:19	
Chlorobenzene	ug/L	ND	5.0	07/06/09 16:19	
Chloroethane	ug/L	ND	5.0	07/06/09 16:19	
Chloroform	ug/L	ND	5.0	07/06/09 16:19	
Chloromethane	ug/L	ND	5.0	07/06/09 16:19	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/06/09 16:19	
cis-1,3-Dichloropropene	ug/L	ND	5.0	07/06/09 16:19	
Dibromochloromethane	ug/L	ND	5.0	07/06/09 16:19	
Ethylbenzene	ug/L	ND	5.0	07/06/09 16:19	
m&p-Xylene	ug/L	ND	5.0	07/06/09 16:19	
Methylene Chloride	ug/L	ND	5.0	07/06/09 16:19	
o-Xylene	ug/L	ND	5.0	07/06/09 16:19	
Styrene	ug/L	ND	5.0	07/06/09 16:19	
Tetrachloroethene	ug/L	ND	5.0	07/06/09 16:19	
Toluene	ug/L	ND	5.0	07/06/09 16:19	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/06/09 16:19	
trans-1,3-Dichloropropene	ug/L	ND	5.0	07/06/09 16:19	
Trichloroethene	ug/L	ND	5.0	07/06/09 16:19	
Trichlorofluoromethane	ug/L	ND	5.0	07/06/09 16:19	
Vinyl chloride	ug/L	ND	1.0	07/06/09 16:19	
1,2-Dichloroethane-d4 (S)	%	99	70-130	07/06/09 16:19	
4-Bromofluorobenzene (S)	%	99	70-130	07/06/09 16:19	
Toluene-d8 (S)	%	101	70-130	07/06/09 16:19	

Pace Analytical Services, Inc.
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Greensburg, PA 15601
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QUALITY CONTROL DATA

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

LABORATORY CONTROL SAMPLE: 72549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	99	70-130	
1,1,2-Trichloroethane	ug/L	20	20.9	105	70-130	
1,1-Dichloroethane	ug/L	20	20.0	100	70-130	
1,1-Dichloroethene	ug/L	20	18.2	91	70-130	
1,2-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	20	19.7	99	70-130	
1,3-Dichlorobenzene	ug/L	20	20.5	103	70-130	
1,4-Dichlorobenzene	ug/L	20	20.5	102	70-130	
2-Butanone (MEK)	ug/L	20	20.5	103	70-130	
2-Hexanone	ug/L	20	21.6	108	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.3	102	70-130	
Acetone	ug/L	20	17.7	89	70-130	
Benzene	ug/L	20	19.5	98	70-130	
Bromodichloromethane	ug/L	20	21.6	108	70-130	
Bromoform	ug/L	20	22.1	111	70-130	
Bromomethane	ug/L	20	27.5	138	70-130	L3
Carbon disulfide	ug/L	20	18.9	94	70-130	
Carbon tetrachloride	ug/L	20	21.0	105	70-130	
Chlorobenzene	ug/L	20	20.6	103	70-130	
Chloroethane	ug/L	20	13.7	69	70-130	L2
Chloroform	ug/L	20	20.7	104	70-130	
Chloromethane	ug/L	20	15.5	77	70-130	
cis-1,2-Dichloroethene	ug/L	20	21.4	107	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.4	102	70-130	
Dibromochloromethane	ug/L	20	19.8	99	70-130	
Ethylbenzene	ug/L	20	20.2	101	70-130	
m&p-Xylene	ug/L	40	41.9	105	70-130	
Methylene Chloride	ug/L	20	19.8	99	70-130	
o-Xylene	ug/L	20	20.0	100	70-130	
Styrene	ug/L	20	20.6	103	70-130	
Tetrachloroethene	ug/L	20	20.9	105	70-130	
Toluene	ug/L	20	20.1	100	70-130	
trans-1,2-Dichloroethene	ug/L	20	14.5	72	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.3	102	70-130	
Trichloroethene	ug/L	20	19.6	98	70-130	
Trichlorofluoromethane	ug/L	20	14.8	74	70-130	
Vinyl chloride	ug/L	20	14.4	72	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			102	70-130	

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QUALIFIERS

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Essex-Hope 41568453.10000
Pace Project No.: 3012195

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3012195001	**Pre-Carb**	EPA 8260	MSV/3000		
3012195002	**PRIMARY-EFF**	EPA 8260	MSV/3000		
3012195003	**POST CARB**	EPA 8260	MSV/3000		
3012195004	**TB-01**	EPA 8260	MSV/3000		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1297377

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: URS CORP	Report To: MARK DOWIAK	Attention:
Address: FOSTER PLAZA 4, STE. 300 501 HOLIDAY DR, PITTSBURGH, PA 15220	Copy To: VALERIE SIBETO	Company Name:
Email To:	Purchase Order No.: 41568453	Address: Pace Quote Reference:
Phone: 412-503-4700 Fax: 412-503-4701	Project Name: ESSEX/HOPE JAMESTOWN	Pace Project Manager:
Requested Due Date/TAT: STANDARD	Project Number: 41568453, 10000	Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	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 DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VOCs 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PRE-CARB	NT	G			6/30/09	0845		3				X						X		001
2	PRIMARY-EFF						0850		3				X						X		002
3	POST-CARB						0900		3				X						X		003
4	POST-CARB						0930		3				X						X		
5	POST-CARB						1000		3				X						X		
6	POST-CARB						1030		3				X						X		
7	TB-01					6/30/09	—		2				X						X		004
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COMPOSITE FOUR (4) POST-CARB SAMPLES IN LAB AND REPORT AS POST-CARB COMPOSITE.	[signature] URS	6.30.09		[signature] #0672553812730 FedEx	6.30.09					
	FedEx			[signature] Pace	7-1-09	1000	3.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: VALERIE SIBETO

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6.30.09

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

Sample Condition Upon Receipt

Pace Analytical

Client Name: URS Project # 3012195

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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 3.4 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: CAW 7-1

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: WT		
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: (VOA) coliform, TOC, O&G, WI-DRO (water)	(☑Yes) ☐No	Initial when completed CAW / 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: Raelyn Sylvester Date: 7/1/09

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)