

June 24, 2009

Devin Sprinkle
Chicago Central & Pacific Railroad
17641 South Ashland Ave
Homewood, IL 60430

RE: Project: PERRYVILLE, IL
Pace Project No.: 4019000

Dear Devin Sprinkle:

Enclosed are the analytical results for sample(s) received by the laboratory on June 23, 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,

Brian Basten for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Green Bay Certification IDs

Wisconsin DATCP Certification #: 105-444
Wisconsin DATCP Certification #: 105-444
Wisconsin Certification #: 405132750
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
South Carolina Certification #: 83006001
North Dakota Certification #: R-200
North Dakota Certification #: R-150
North Carolina Certification #: 503
North Carolina Certification #: 503
New York Certification #: 11887

New York Certification #: 11888
Minnesota Certification #: 055-999-334
Minnesota Certification #: 055-999-334
Louisiana Certification #: 04169
Louisiana Certification #: 04168
Kentucky Certification #: 83
Kentucky Certification #: 82
Illinois Certification #: 200051
Illinois Certification #: 200050
Florida/NELAP Certification #: E87951
Florida/NELAP Certification #: E87948

PRELIMINARY

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4019000001	WQ(R)-1L	Water	06/23/09 10:31	06/23/09 21:36
4019000002	WQ(R)-1R	Water	06/23/09 10:35	06/23/09 21:36
4019000003	WQ(R)-2L	Water	06/23/09 10:37	06/23/09 21:36
4019000004	WQ(R)-2R	Water	06/23/09 10:46	06/23/09 21:36
4019000005	WQ(R)-3L	Water	06/23/09 11:00	06/23/09 21:36
4019000006	WQ(R)-3R	Water	06/23/09 11:07	06/23/09 21:36
4019000007	WQ(R)-4L	Water	06/23/09 11:15	06/23/09 21:36
4019000008	WQ(R)-4R	Water	06/23/09 11:25	06/23/09 21:36
4019000009	WQ(R)-5	Water	06/23/09 11:37	06/23/09 21:36
4019000010	TRIP BLANK	Water	06/23/09 00:00	06/23/09 21:36

PRELIMINARY

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SAMPLE ANALYTE COUNT

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4019000001	WQ(R)-1L	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	JJJ	9	PASI-G
4019000002	WQ(R)-1R	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	JJJ	9	PASI-G
4019000003	WQ(R)-2L	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	JJJ	9	PASI-G
4019000004	WQ(R)-2R	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	JJJ	9	PASI-G
4019000005	WQ(R)-3L	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	JJJ	9	PASI-G
4019000006	WQ(R)-3R	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	JJJ	9	PASI-G
4019000007	WQ(R)-4L	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	JJJ	9	PASI-G
4019000008	WQ(R)-4R	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	JJJ	9	PASI-G
4019000009	WQ(R)-5	EPA 410.4	DEY	1	PASI-G
		EPA 8260	SMT	38	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8270 by SIM	RJN	18	PASI-G
4019000010	TRIP BLANK	EPA 8260	SMT	38	PASI-G

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PROJECT NARRATIVE

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Method: EPA 5030/8015 Mod.

Description: Gasoline Range Organics

Client: Chicago Central & Pacific Railroad

Date: June 24, 2009

General Information:

8 samples were analyzed for EPA 5030/8015 Mod.. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Method: EPA 8270

Description: 8270 MSSV Semivolatile Organic

Client: Chicago Central & Pacific Railroad

Date: June 24, 2009

General Information:

1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

QC Batch: MSSV/1913

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Method: EPA 8270 by SIM

Description: 8270 MSSV PAH by SIM

Client: Chicago Central & Pacific Railroad

Date: June 24, 2009

General Information:

1 sample was analyzed for EPA 8270 by SIM. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

QC Batch: MSSV/1916

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Method: EPA 8260

Description: 8260 MSV

Client: Chicago Central & Pacific Railroad

Date: June 24, 2009

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Method: EPA 8260

Description: 8260 MSV UST

Client: Chicago Central & Pacific Railroad

Date: June 24, 2009

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Method: EPA 410.4

Description: 410.4 COD

Client: Chicago Central & Pacific Railroad

Date: June 24, 2009

General Information:

1 sample was analyzed for EPA 410.4. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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

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ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4019000

Sample: WQ(R)-1L		Lab ID: 4019000001	Collected: 06/23/09 10:31	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		100	1		06/24/09 08:33		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 10:38	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 10:38	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 10:38	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 10:38	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 10:38	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 10:38	95-47-6	
Dibromofluoromethane (S)	109 %		70-130	1		06/24/09 10:38	1868-53-7	
Toluene-d8 (S)	98 %		70-130	1		06/24/09 10:38	2037-26-5	
4-Bromofluorobenzene (S)	91 %		70-130	1		06/24/09 10:38	460-00-4	

Sample: WQ(R)-1R		Lab ID: 4019000002	Collected: 06/23/09 10:35	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		100	1		06/24/09 08:59		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 11:01	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 11:01	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 11:01	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 11:01	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 11:01	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 11:01	95-47-6	
Dibromofluoromethane (S)	109 %		70-130	1		06/24/09 11:01	1868-53-7	
Toluene-d8 (S)	96 %		70-130	1		06/24/09 11:01	2037-26-5	
4-Bromofluorobenzene (S)	92 %		70-130	1		06/24/09 11:01	460-00-4	

Sample: WQ(R)-2L		Lab ID: 4019000003	Collected: 06/23/09 10:37	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		100	1		06/24/09 09:25		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 08:45	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 08:45	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 08:45	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 08:45	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 08:45	1330-20-7	

Date: 06/24/2009 03:53 PM

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ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4019000

Sample: WQ(R)-2L		Lab ID: 4019000003	Collected: 06/23/09 10:37	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
o-Xylene	ND ug/L		1.0	1		06/24/09 08:45	95-47-6	
Dibromofluoromethane (S)	105 %		70-130	1		06/24/09 08:45	1868-53-7	
Toluene-d8 (S)	96 %		70-130	1		06/24/09 08:45	2037-26-5	
4-Bromofluorobenzene (S)	92 %		70-130	1		06/24/09 08:45	460-00-4	

Sample: WQ(R)-2R		Lab ID: 4019000004	Collected: 06/23/09 10:46	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		100	1		06/24/09 09:50		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 11:24	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 11:24	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 11:24	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 11:24	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 11:24	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 11:24	95-47-6	
Dibromofluoromethane (S)	107 %		70-130	1		06/24/09 11:24	1868-53-7	
Toluene-d8 (S)	98 %		70-130	1		06/24/09 11:24	2037-26-5	
4-Bromofluorobenzene (S)	93 %		70-130	1		06/24/09 11:24	460-00-4	

Sample: WQ(R)-3L		Lab ID: 4019000005	Collected: 06/23/09 11:00	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		100	1		06/24/09 10:16		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 11:46	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 11:46	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 11:46	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 11:46	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 11:46	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 11:46	95-47-6	
Dibromofluoromethane (S)	109 %		70-130	1		06/24/09 11:46	1868-53-7	
Toluene-d8 (S)	95 %		70-130	1		06/24/09 11:46	2037-26-5	
4-Bromofluorobenzene (S)	90 %		70-130	1		06/24/09 11:46	460-00-4	

ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4019000

Sample: WQ(R)-3R		Lab ID: 4019000006	Collected: 06/23/09 11:07	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		100	1		06/24/09 10:42		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 12:54	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 12:54	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 12:54	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 12:54	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 12:54	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 12:54	95-47-6	
Dibromofluoromethane (S)	108 %		70-130	1		06/24/09 12:54	1868-53-7	
Toluene-d8 (S)	96 %		70-130	1		06/24/09 12:54	2037-26-5	
4-Bromofluorobenzene (S)	92 %		70-130	1		06/24/09 12:54	460-00-4	

Sample: WQ(R)-4L		Lab ID: 4019000007	Collected: 06/23/09 11:15	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		100	1		06/24/09 07:16		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 12:09	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 12:09	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 12:09	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 12:09	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 12:09	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 12:09	95-47-6	
Dibromofluoromethane (S)	108 %		70-130	1		06/24/09 12:09	1868-53-7	
Toluene-d8 (S)	96 %		70-130	1		06/24/09 12:09	2037-26-5	
4-Bromofluorobenzene (S)	92 %		70-130	1		06/24/09 12:09	460-00-4	

Sample: WQ(R)-4R		Lab ID: 4019000008		Collected: 06/23/09 11:25		Received: 06/23/09 21:36		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.							
TPH (C06-C10)	ND ug/L		100	1		06/24/09 11:08			
8260 MSV UST		Analytical Method: EPA 8260							
Benzene	ND ug/L		1.0	1		06/24/09 12:32	71-43-2		
Ethylbenzene	ND ug/L		1.0	1		06/24/09 12:32	100-41-4		
Toluene	ND ug/L		1.0	1		06/24/09 12:32	108-88-3		
Xylene (Total)	ND ug/L		3.0	1		06/24/09 12:32	1330-20-7		
m&p-Xylene	ND ug/L		2.0	1		06/24/09 12:32	1330-20-7		

Date: 06/24/2009 03:53 PM

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ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4019000

Sample: WQ(R)-4R		Lab ID: 4019000008	Collected: 06/23/09 11:25	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260						
o-Xylene	ND	ug/L	1.0	1		06/24/09 12:32	95-47-6	
Dibromofluoromethane (S)	109	%	70-130	1		06/24/09 12:32	1868-53-7	
Toluene-d8 (S)	97	%	70-130	1		06/24/09 12:32	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130	1		06/24/09 12:32	460-00-4	

Sample: WQ(R)-5		Lab ID: 4019000009	Collected: 06/23/09 11:37	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	83-32-9	
Acenaphthylene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	208-96-8	
Anthracene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	207-08-9	
Chrysene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	53-70-3	
Fluoranthene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	206-44-0	
Fluorene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	193-39-5	
Naphthalene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	91-20-3	
Phenanthrene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	85-01-8	
Pyrene	ND	ug/L	0.052	1	06/24/09 08:30	06/24/09 13:42	129-00-0	
2-Fluorobiphenyl (S)	53	%	25-130	1	06/24/09 08:30	06/24/09 13:42	321-60-8	
Terphenyl-d14 (S)	72	%	36-140	1	06/24/09 08:30	06/24/09 13:42	1718-51-0	

8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	83-32-9	
Acenaphthylene	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	208-96-8	
Anthracene	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	85-68-7	
Carbazole	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	86-74-8	
4-Chloro-3-methylphenol	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	59-50-7	
4-Chloroaniline	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.3	1	06/24/09 07:00	06/24/09 14:27	111-44-4	

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ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4019000

Sample: WQ(R)-5		Lab ID: 4019000009	Collected: 06/23/09 11:37	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
2-Chloronaphthalene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	91-58-7	
2-Chlorophenol	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	7005-72-3	
Chrysene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	53-70-3	
Dibenzofuran	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	132-64-9	
1,2-Dichlorobenzene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	91-94-1	
2,4-Dichlorophenol	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	120-83-2	
Diethylphthalate	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	84-66-2	
2,4-Dimethylphenol	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	105-67-9	
Dimethylphthalate	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	131-11-3	
Di-n-butylphthalate	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	534-52-1	
2,4-Dinitrophenol	ND ug/L		10.6	1	06/24/09 07:00	06/24/09 14:27	51-28-5	
2,4-Dinitrotoluene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	121-14-2	
2,6-Dinitrotoluene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	606-20-2	
Di-n-octylphthalate	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	117-81-7	
Fluoranthene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	206-44-0	
Fluorene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		10.6	1	06/24/09 07:00	06/24/09 14:27	87-68-3	
Hexachlorobenzene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	77-47-4	
Hexachloroethane	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	193-39-5	
Isophorone	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	78-59-1	
2-Methylnaphthalene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27		
Naphthalene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	91-20-3	
2-Nitroaniline	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	88-74-4	
3-Nitroaniline	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	99-09-2	
4-Nitroaniline	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	100-01-6	
Nitrobenzene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	98-95-3	
2-Nitrophenol	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	88-75-5	
4-Nitrophenol	ND ug/L		10.6	1	06/24/09 07:00	06/24/09 14:27	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		10.6	1	06/24/09 07:00	06/24/09 14:27	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	108-60-1	
Pentachlorophenol	ND ug/L		10.6	1	06/24/09 07:00	06/24/09 14:27	87-86-5	
Phenanthrene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	85-01-8	
Phenol	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	108-95-2	
Pyrene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	120-82-1	

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ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4019000

Sample: WQ(R)-5		Lab ID: 4019000009	Collected: 06/23/09 11:37	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
2,4,5-Trichlorophenol	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		5.3	1	06/24/09 07:00	06/24/09 14:27	88-06-2	
Nitrobenzene-d5 (S)	78 %		66-130	1	06/24/09 07:00	06/24/09 14:27	4165-60-0	
2-Fluorobiphenyl (S)	92 %		66-130	1	06/24/09 07:00	06/24/09 14:27	321-60-8	
Terphenyl-d14 (S)	86 %		52-130	1	06/24/09 07:00	06/24/09 14:27	1718-51-0	
Phenol-d6 (S)	30 %		20-130	1	06/24/09 07:00	06/24/09 14:27	13127-88-3	
2-Fluorophenol (S)	47 %		32-130	1	06/24/09 07:00	06/24/09 14:27	367-12-4	
2,4,6-Tribromophenol (S)	78 %		42-130	1	06/24/09 07:00	06/24/09 14:27	118-79-6	
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		20.0	1		06/24/09 09:58	67-64-1	
Benzene	ND ug/L		1.0	1		06/24/09 09:58	71-43-2	
Bromodichloromethane	ND ug/L		1.0	1		06/24/09 09:58	75-27-4	
Bromoform	ND ug/L		1.0	1		06/24/09 09:58	75-25-2	
Bromomethane	ND ug/L		1.0	1		06/24/09 09:58	74-83-9	
2-Butanone (MEK)	ND ug/L		20.0	1		06/24/09 09:58	78-93-3	
Carbon disulfide	ND ug/L		1.0	1		06/24/09 09:58	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		06/24/09 09:58	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		06/24/09 09:58	108-90-7	
Chloroethane	ND ug/L		1.0	1		06/24/09 09:58	75-00-3	
Chloroform	ND ug/L		5.0	1		06/24/09 09:58	67-66-3	
Chloromethane	ND ug/L		1.0	1		06/24/09 09:58	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		06/24/09 09:58	124-48-1	
1,1-Dichloroethane	ND ug/L		1.0	1		06/24/09 09:58	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		06/24/09 09:58	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		06/24/09 09:58	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		06/24/09 09:58	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		06/24/09 09:58	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		06/24/09 09:58	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		06/24/09 09:58	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		06/24/09 09:58	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 09:58	100-41-4	
2-Hexanone	ND ug/L		5.0	1		06/24/09 09:58	591-78-6	
Methylene Chloride	ND ug/L		1.0	1		06/24/09 09:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		06/24/09 09:58	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		06/24/09 09:58	1634-04-4	
Styrene	ND ug/L		1.0	1		06/24/09 09:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		06/24/09 09:58	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		06/24/09 09:58	127-18-4	
Toluene	ND ug/L		1.0	1		06/24/09 09:58	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	1		06/24/09 09:58	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		06/24/09 09:58	79-00-5	
Trichloroethene	ND ug/L		1.0	1		06/24/09 09:58	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		06/24/09 09:58	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 09:58	1330-20-7	
4-Bromofluorobenzene (S)	95 %		70-130	1		06/24/09 09:58	460-00-4	
Dibromofluoromethane (S)	98 %		70-130	1		06/24/09 09:58	1868-53-7	

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ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4019000

Sample: WQ(R)-5		Lab ID: 4019000009	Collected: 06/23/09 11:37	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Toluene-d8 (S)	103 %		70-130	1		06/24/09 09:58	2037-26-5	
410.4 COD		Analytical Method: EPA 410.4						
Chemical Oxygen Demand	128	mg/L	52.6	1		06/24/09 11:00		

Sample: TRIP BLANK		Lab ID: 4019000010	Collected: 06/23/09 00:00	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	20.0	1		06/24/09 09:34	67-64-1	
Benzene	ND	ug/L	1.0	1		06/24/09 09:34	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	1		06/24/09 09:34	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/24/09 09:34	75-25-2	
Bromomethane	ND	ug/L	1.0	1		06/24/09 09:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	1		06/24/09 09:34	78-93-3	
Carbon disulfide	ND	ug/L	1.0	1		06/24/09 09:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		06/24/09 09:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/24/09 09:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/24/09 09:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/24/09 09:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/24/09 09:34	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/24/09 09:34	124-48-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/24/09 09:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/24/09 09:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/24/09 09:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/24/09 09:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/24/09 09:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/24/09 09:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/24/09 09:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/24/09 09:34	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		06/24/09 09:34	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		06/24/09 09:34	591-78-6	
Methylene Chloride	ND	ug/L	1.0	1		06/24/09 09:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/24/09 09:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/24/09 09:34	1634-04-4	
Styrene	ND	ug/L	1.0	1		06/24/09 09:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/24/09 09:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/24/09 09:34	127-18-4	
Toluene	ND	ug/L	1.0	1		06/24/09 09:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/24/09 09:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/24/09 09:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/24/09 09:34	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		06/24/09 09:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/24/09 09:34	1330-20-7	

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ANALYTICAL RESULTS

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Sample: TRIP BLANK		Lab ID: 4019000010	Collected: 06/23/09 00:00	Received: 06/23/09 21:36	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
4-Bromofluorobenzene (S)	94 %		70-130	1		06/24/09 09:34	460-00-4	
Dibromofluoromethane (S)	96 %		70-130	1		06/24/09 09:34	1868-53-7	
Toluene-d8 (S)	102 %		70-130	1		06/24/09 09:34	2037-26-5	

PRELIMINARY

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

QC Batch: GCV/3586

Analysis Method: EPA 5030/8015 Mod.

QC Batch Method: EPA 5030/8015 Mod.

Analysis Description: Gasoline Range Organics

Associated Lab Samples: 4019000001, 4019000002, 4019000003, 4019000004, 4019000005, 4019000006, 4019000007, 4019000008

METHOD BLANK: 173873

Matrix: Water

Associated Lab Samples: 4019000001, 4019000002, 4019000003, 4019000004, 4019000005, 4019000006, 4019000007, 4019000008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C10)	ug/L	ND	100	06/24/09 05:59	

LABORATORY CONTROL SAMPLE & LCSD: 173874

173875

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH (C06-C10)	ug/L	1000	1000	1030	100	103	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173903

173904

Parameter	Units	4019000007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C10)	ug/L	ND	1000	1000	1010	1030	97	99	63-142	2	23	

PRELIMINARY

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

QC Batch:	MSV/4814	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
Associated Lab Samples:	4019000001, 4019000002, 4019000003, 4019000004, 4019000005, 4019000006, 4019000007, 4019000008		

METHOD BLANK: 173879 Matrix: Water

Associated Lab Samples: 4019000001, 4019000002, 4019000003, 4019000004, 4019000005, 4019000006, 4019000007, 4019000008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/24/09 06:29	
Ethylbenzene	ug/L	ND	1.0	06/24/09 06:29	
m&p-Xylene	ug/L	ND	2.0	06/24/09 06:29	
o-Xylene	ug/L	ND	1.0	06/24/09 06:29	
Toluene	ug/L	ND	1.0	06/24/09 06:29	
Xylene (Total)	ug/L	ND	3.0	06/24/09 06:29	
4-Bromofluorobenzene (S)	%	92	70-130	06/24/09 06:29	
Dibromofluoromethane (S)	%	96	70-130	06/24/09 06:29	
Toluene-d8 (S)	%	98	70-130	06/24/09 06:29	

LABORATORY CONTROL SAMPLE & LCSD: 173880

173881

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	50	50.2	52.0	100	104	70-131	4	20	
Ethylbenzene	ug/L	50	56.3	59.1	113	118	70-130	5	20	
m&p-Xylene	ug/L	100	107	112	107	112	70-130	5	20	
o-Xylene	ug/L	50	50.9	52.5	102	105	70-130	3	20	
Toluene	ug/L	50	53.1	55.8	106	112	70-130	5	20	
Xylene (Total)	ug/L	150	158	164	105	110	70-130	4	20	
4-Bromofluorobenzene (S)	%				99	102	70-130			
Dibromofluoromethane (S)	%				99	100	70-130			
Toluene-d8 (S)	%				100	102	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173890

173891

Parameter	Units	4019000003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	50.3	51.2	101	102	69-131	2	20	
Ethylbenzene	ug/L	ND	50	50	57.5	57.3	115	115	70-130	.2	20	
m&p-Xylene	ug/L	ND	100	100	108	108	108	108	70-130	.2	20	
o-Xylene	ug/L	ND	50	50	51.8	51.0	104	102	70-130	2	20	
Toluene	ug/L	ND	50	50	54.1	53.7	108	107	70-130	.9	20	
Xylene (Total)	ug/L	ND	150	150	160	159	106	106	70-130	.4	20	
4-Bromofluorobenzene (S)	%						101	101	70-130			
Dibromofluoromethane (S)	%						101	102	70-130			
Toluene-d8 (S)	%						102	101	70-130			

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

QC Batch: MSV/4816

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 4019000009, 4019000010

METHOD BLANK: 173887

Matrix: Water

Associated Lab Samples: 4019000009, 4019000010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	06/24/09 07:12	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/24/09 07:12	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/24/09 07:12	
1,1-Dichloroethane	ug/L	ND	1.0	06/24/09 07:12	
1,1-Dichloroethene	ug/L	ND	1.0	06/24/09 07:12	
1,2-Dichloroethane	ug/L	ND	1.0	06/24/09 07:12	
1,2-Dichloropropane	ug/L	ND	1.0	06/24/09 07:12	
2-Butanone (MEK)	ug/L	ND	20.0	06/24/09 07:12	
2-Hexanone	ug/L	ND	5.0	06/24/09 07:12	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/24/09 07:12	
Acetone	ug/L	ND	20.0	06/24/09 07:12	
Benzene	ug/L	ND	1.0	06/24/09 07:12	
Bromodichloromethane	ug/L	ND	1.0	06/24/09 07:12	
Bromoform	ug/L	ND	1.0	06/24/09 07:12	
Bromomethane	ug/L	ND	1.0	06/24/09 07:12	
Carbon disulfide	ug/L	ND	1.0	06/24/09 07:12	
Carbon tetrachloride	ug/L	ND	1.0	06/24/09 07:12	
Chlorobenzene	ug/L	ND	1.0	06/24/09 07:12	
Chloroethane	ug/L	ND	1.0	06/24/09 07:12	
Chloroform	ug/L	ND	5.0	06/24/09 07:12	
Chloromethane	ug/L	ND	1.0	06/24/09 07:12	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/24/09 07:12	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/24/09 07:12	
Dibromochloromethane	ug/L	ND	1.0	06/24/09 07:12	
Ethylbenzene	ug/L	ND	1.0	06/24/09 07:12	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/24/09 07:12	
Methylene Chloride	ug/L	ND	1.0	06/24/09 07:12	
Styrene	ug/L	ND	1.0	06/24/09 07:12	
Tetrachloroethene	ug/L	ND	1.0	06/24/09 07:12	
Toluene	ug/L	ND	1.0	06/24/09 07:12	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/24/09 07:12	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/24/09 07:12	
Trichloroethene	ug/L	ND	1.0	06/24/09 07:12	
Vinyl chloride	ug/L	ND	1.0	06/24/09 07:12	
Xylene (Total)	ug/L	ND	3.0	06/24/09 07:12	
4-Bromofluorobenzene (S)	%	93	70-130	06/24/09 07:12	
Dibromofluoromethane (S)	%	95	70-130	06/24/09 07:12	
Toluene-d8 (S)	%	102	70-130	06/24/09 07:12	

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

LABORATORY CONTROL SAMPLE & LCSD:		173888	173889							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.4	47.4	97	95	70-132	2	20	
1,1,2,2-Tetrachloroethane	ug/L	50	40.2	40.8	80	82	69-130	2	20	
1,1,2-Trichloroethane	ug/L	50	46.5	47.5	93	95	70-130	2	20	
1,1-Dichloroethane	ug/L	50	47.6	46.8	95	94	70-130	2	20	
1,1-Dichloroethene	ug/L	50	47.2	46.2	94	92	70-130	2	20	
1,2-Dichloroethane	ug/L	50	50.5	49.6	101	99	70-134	2	20	
1,2-Dichloropropane	ug/L	50	48.5	48.2	97	96	70-130	.6	20	
2-Butanone (MEK)	ug/L	50	57.5	52.6	115	105	36-181	9	35	
2-Hexanone	ug/L	50	62.0	49.1	124	98	46-171	23	27	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.0	47.9	96	96	50-150	.2	20	
Acetone	ug/L	50	80.5	58.4	161	117	10-200	32	36	
Benzene	ug/L	50	46.8	45.9	94	92	70-131	2	20	
Bromodichloromethane	ug/L	50	47.4	46.7	95	93	70-130	1	20	
Bromoform	ug/L	50	54.3	56.2	109	112	70-130	4	20	
Bromomethane	ug/L	50	37.4	37.3	75	75	23-200	.2	20	
Carbon disulfide	ug/L	50	45.9	44.4	92	89	70-138	3	20	
Carbon tetrachloride	ug/L	50	50.9	49.6	102	99	70-144	3	20	
Chlorobenzene	ug/L	50	50.9	49.8	102	100	70-130	2	20	
Chloroethane	ug/L	50	46.7	46.5	93	93	70-136	.4	20	
Chloroform	ug/L	50	47.4	45.5	95	91	70-130	4	20	
Chloromethane	ug/L	50	43.6	43.2	87	86	54-148	.8	20	
cis-1,2-Dichloroethene	ug/L	50	45.7	44.6	91	89	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	50	47.1	47.9	94	96	70-130	2	20	
Dibromochloromethane	ug/L	50	46.1	46.1	92	92	70-130	.2	20	
Ethylbenzene	ug/L	50	50.5	49.3	101	99	70-130	2	20	
Methylene Chloride	ug/L	50	43.5	42.9	87	86	66-130	1	20	
Styrene	ug/L	50	46.3	45.5	93	91	70-130	2	20	
Tetrachloroethene	ug/L	50	55.3	56.1	111	112	75-130	1	20	
Toluene	ug/L	50	49.1	48.0	98	96	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	50	42.8	44.4	86	89	70-130	4	20	
trans-1,3-Dichloropropene	ug/L	50	48.8	47.9	98	96	70-130	2	20	
Trichloroethene	ug/L	50	46.9	46.5	94	93	70-130	.8	20	
Vinyl chloride	ug/L	50	42.4	41.4	85	83	63-141	3	20	
Xylene (Total)	ug/L	150	152	150	101	100	70-130	1	20	
4-Bromofluorobenzene (S)	%				97	95	70-130			
Dibromofluoromethane (S)	%				101	96	70-130			
Toluene-d8 (S)	%				102	101	70-130			

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

QC Batch: OEXT/4571

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 4019000009

METHOD BLANK: 173911

Matrix: Water

Associated Lab Samples: 4019000009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/24/09 12:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/24/09 12:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/24/09 12:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/24/09 12:48	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	5.0	06/24/09 12:48	
2,4,5-Trichlorophenol	ug/L	ND	5.0	06/24/09 12:48	
2,4,6-Trichlorophenol	ug/L	ND	5.0	06/24/09 12:48	
2,4-Dichlorophenol	ug/L	ND	5.0	06/24/09 12:48	
2,4-Dimethylphenol	ug/L	ND	5.0	06/24/09 12:48	
2,4-Dinitrophenol	ug/L	ND	10.0	06/24/09 12:48	
2,4-Dinitrotoluene	ug/L	ND	5.0	06/24/09 12:48	
2,6-Dinitrotoluene	ug/L	ND	5.0	06/24/09 12:48	
2-Chloronaphthalene	ug/L	ND	5.0	06/24/09 12:48	
2-Chlorophenol	ug/L	ND	5.0	06/24/09 12:48	
2-Methylnaphthalene	ug/L	ND	5.0	06/24/09 12:48	
2-Methylphenol(o-Cresol)	ug/L	ND	5.0	06/24/09 12:48	
2-Nitroaniline	ug/L	ND	5.0	06/24/09 12:48	
2-Nitrophenol	ug/L	ND	5.0	06/24/09 12:48	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	5.0	06/24/09 12:48	
3,3'-Dichlorobenzidine	ug/L	ND	5.0	06/24/09 12:48	
3-Nitroaniline	ug/L	ND	5.0	06/24/09 12:48	
4,6-Dinitro-2-methylphenol	ug/L	ND	5.0	06/24/09 12:48	
4-Bromophenylphenyl ether	ug/L	ND	5.0	06/24/09 12:48	
4-Chloro-3-methylphenol	ug/L	ND	5.0	06/24/09 12:48	
4-Chloroaniline	ug/L	ND	5.0	06/24/09 12:48	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	06/24/09 12:48	
4-Nitroaniline	ug/L	ND	5.0	06/24/09 12:48	
4-Nitrophenol	ug/L	ND	10.0	06/24/09 12:48	
Acenaphthene	ug/L	ND	5.0	06/24/09 12:48	
Acenaphthylene	ug/L	ND	5.0	06/24/09 12:48	
Anthracene	ug/L	ND	5.0	06/24/09 12:48	
Benzo(a)anthracene	ug/L	ND	5.0	06/24/09 12:48	
Benzo(a)pyrene	ug/L	ND	5.0	06/24/09 12:48	
Benzo(b)fluoranthene	ug/L	ND	5.0	06/24/09 12:48	
Benzo(g,h,i)perylene	ug/L	ND	5.0	06/24/09 12:48	
Benzo(k)fluoranthene	ug/L	ND	5.0	06/24/09 12:48	
bis(2-Chloroethoxy)methane	ug/L	ND	5.0	06/24/09 12:48	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	06/24/09 12:48	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	06/24/09 12:48	
Butylbenzylphthalate	ug/L	ND	5.0	06/24/09 12:48	
Carbazole	ug/L	ND	5.0	06/24/09 12:48	
Chrysene	ug/L	ND	5.0	06/24/09 12:48	
Di-n-butylphthalate	ug/L	ND	5.0	06/24/09 12:48	

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QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

METHOD BLANK: 173911

Matrix: Water

Associated Lab Samples: 4019000009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Di-n-octylphthalate	ug/L	ND	5.0	06/24/09 12:48	
Dibenz(a,h)anthracene	ug/L	ND	5.0	06/24/09 12:48	
Dibenzofuran	ug/L	ND	5.0	06/24/09 12:48	
Diethylphthalate	ug/L	ND	5.0	06/24/09 12:48	
Dimethylphthalate	ug/L	ND	5.0	06/24/09 12:48	
Fluoranthene	ug/L	ND	5.0	06/24/09 12:48	
Fluorene	ug/L	ND	5.0	06/24/09 12:48	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	06/24/09 12:48	
Hexachlorobenzene	ug/L	ND	5.0	06/24/09 12:48	
Hexachlorocyclopentadiene	ug/L	ND	5.0	06/24/09 12:48	
Hexachloroethane	ug/L	ND	5.0	06/24/09 12:48	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	06/24/09 12:48	
Isophorone	ug/L	ND	5.0	06/24/09 12:48	
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	06/24/09 12:48	
N-Nitrosodiphenylamine	ug/L	ND	10.0	06/24/09 12:48	
Naphthalene	ug/L	ND	5.0	06/24/09 12:48	
Nitrobenzene	ug/L	ND	5.0	06/24/09 12:48	
Pentachlorophenol	ug/L	ND	10.0	06/24/09 12:48	
Phenanthrene	ug/L	ND	5.0	06/24/09 12:48	
Phenol	ug/L	ND	5.0	06/24/09 12:48	
Pyrene	ug/L	ND	5.0	06/24/09 12:48	
2,4,6-Tribromophenol (S)	%	75	42-130	06/24/09 12:48	
2-Fluorobiphenyl (S)	%	88	66-130	06/24/09 12:48	
2-Fluorophenol (S)	%	49	32-130	06/24/09 12:48	
Nitrobenzene-d5 (S)	%	75	66-130	06/24/09 12:48	
Phenol-d6 (S)	%	31	20-130	06/24/09 12:48	
Terphenyl-d14 (S)	%	88	52-130	06/24/09 12:48	

LABORATORY CONTROL SAMPLE & LCSD: 173912

173913

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	35.8	37.4	72	75	63-130	4	20	
1,2-Dichlorobenzene	ug/L	50	32.9	34.9	66	70	55-130	6	24	
1,3-Dichlorobenzene	ug/L	50	31.3	33.2	63	66	51-130	6	26	
1,4-Dichlorobenzene	ug/L	50	31.5	33.3	63	67	52-130	6	20	
2,2'-Oxybis(1-chloropropane)	ug/L	50	39.7	40.5	79	81	58-130	2	20	
2,4,5-Trichlorophenol	ug/L	50	48.3	40.9	97	82	70-130	17	20	
2,4,6-Trichlorophenol	ug/L	50	47.1	43.3	94	87	70-130	8	20	
2,4-Dichlorophenol	ug/L	50	41.6	40.7	83	81	68-130	2	20	
2,4-Dimethylphenol	ug/L	50	33.3	32.7	67	65	34-130	2	25	
2,4-Dinitrophenol	ug/L	50	51.3	48.6	103	97	43-130	6	30	
2,4-Dinitrotoluene	ug/L	50	53.7	47.9	107	96	70-130	11	20	
2,6-Dinitrotoluene	ug/L	50	51.7	48.0	103	96	70-130	7	20	
2-Chloronaphthalene	ug/L	50	46.5	43.9	93	88	70-130	6	20	
2-Chlorophenol	ug/L	50	36.8	36.7	74	73	59-130	.3	22	

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QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

LABORATORY CONTROL SAMPLE & LCSD:		173912	173913							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2-Methylnaphthalene	ug/L	50	41.7	40.9	83	82	70-130	2	20	
2-Methylphenol(o-Cresol)	ug/L	50	33.8	33.8	68	68	54-130	.1	20	
2-Nitroaniline	ug/L	50	46.1	41.1	92	82	67-130	11	20	
2-Nitrophenol	ug/L	50	44.0	44.2	88	88	65-130	.4	20	
3&4-Methylphenol(m&p Cresol)	ug/L	50	31.0	30.4	62	61	48-130	2	24	
3,3'-Dichlorobenzidine	ug/L	50	45.5	39.5	91	79	39-130	14	25	
3-Nitroaniline	ug/L	50	48.6	43.8	97	88	64-130	10	20	
4,6-Dinitro-2-methylphenol	ug/L	50	53.5	51.3	107	103	65-130	4	20	
4-Bromophenylphenyl ether	ug/L	50	48.5	43.2	97	86	70-130	12	20	
4-Chloro-3-methylphenol	ug/L	50	41.2	38.7	82	77	70-130	6	20	
4-Chloroaniline	ug/L	50	35.0	35.7	70	71	34-130	2	20	
4-Chlorophenylphenyl ether	ug/L	50	45.6	40.7	91	81	70-130	11	20	
4-Nitroaniline	ug/L	50	52.6	47.5	105	95	53-140	10	22	
4-Nitrophenol	ug/L	50	16.0	13.9	32	28	13-130	14	24	
Acenaphthene	ug/L	50	45.6	43.0	91	86	70-130	6	20	
Acenaphthylene	ug/L	50	44.2	40.9	88	82	70-130	8	20	
Anthracene	ug/L	50	47.3	43.7	95	87	70-130	8	20	
Benzo(a)anthracene	ug/L	50	44.3	39.8	89	80	62-130	11	20	
Benzo(a)pyrene	ug/L	50	46.9	44.0	94	88	53-130	7	20	
Benzo(b)fluoranthene	ug/L	50	45.3	39.1	91	78	57-130	15	21	
Benzo(g,h,i)perylene	ug/L	50	41.3	36.7	83	73	47-130	12	23	
Benzo(k)fluoranthene	ug/L	50	44.6	44.0	89	88	58-133	1	20	
bis(2-Chloroethoxy)methane	ug/L	50	43.7	43.5	87	87	70-130	.5	20	
bis(2-Chloroethyl) ether	ug/L	50	41.3	41.5	83	83	59-130	.5	23	
bis(2-Ethylhexyl)phthalate	ug/L	50	40.5	37.8	81	76	66-130	7	20	
Butylbenzylphthalate	ug/L	50	42.0	38.0	84	76	64-130	10	20	
Carbazole	ug/L	50	52.1	48.3	104	97	70-130	8	20	
Chrysene	ug/L	50	44.1	39.4	88	79	60-130	11	20	
Di-n-butylphthalate	ug/L	50	49.5	46.0	99	92	70-130	7	20	
Di-n-octylphthalate	ug/L	50	44.0	41.9	88	84	57-130	5	20	
Dibenz(a,h)anthracene	ug/L	50	43.2	36.0	86	72	43-130	18	32	
Dibenzofuran	ug/L	50	47.1	43.7	94	87	70-130	7	20	
Diethylphthalate	ug/L	50	48.7	44.7	97	89	70-130	9	20	
Dimethylphthalate	ug/L	50	49.4	44.2	99	88	70-130	11	20	
Fluoranthene	ug/L	50	48.6	45.6	97	91	69-130	6	20	
Fluorene	ug/L	50	45.4	42.5	91	85	70-130	7	20	
Hexachloro-1,3-butadiene	ug/L	50	31.0	33.3	62	67	59-130	7	20	
Hexachlorobenzene	ug/L	50	47.1	44.5	94	89	68-130	6	20	
Hexachlorocyclopentadiene	ug/L	50	11.9	12.3	24	25	10-130	3	37	
Hexachloroethane	ug/L	50	25.6	27.9	51	56	50-130	8	21	
Indeno(1,2,3-cd)pyrene	ug/L	50	54.3	43.9	109	88	13-147	21	77	
Isophorone	ug/L	50	26.8	26.0	54	52	10-149	3	20	
N-Nitroso-di-n-propylamine	ug/L	50	40.8	39.7	82	79	66-130	3	20	
N-Nitrosodiphenylamine	ug/L	50	48.3	47.2	97	94	54-132	2	42	
Naphthalene	ug/L	50	39.6	40.4	79	81	68-130	2	20	
Nitrobenzene	ug/L	50	39.2	39.4	78	79	63-130	.7	20	
Pentachlorophenol	ug/L	50	41.2	38.4	82	77	54-130	7	20	
Phenanthrene	ug/L	50	48.5	44.2	97	88	70-130	9	20	

Date: 06/24/2009 03:53 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

LABORATORY CONTROL SAMPLE & LCSD: 173912			173913							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Phenol	ug/L	50	17.4	17.0	35	34	23-130	2	24	
Pyrene	ug/L	50	41.6	36.9	83	74	50-132	12	24	
2,4,6-Tribromophenol (S)	%				89	80	42-130			
2-Fluorobiphenyl (S)	%				98	91	66-130			
2-Fluorophenol (S)	%				50	51	32-130			
Nitrobenzene-d5 (S)	%				80	79	66-130			
Phenol-d6 (S)	%				33	32	20-130			
Terphenyl-d14 (S)	%				84	74	52-130			

PRELIMINARY

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

QC Batch: OEXT/4572

Analysis Method: EPA 8270 by SIM

QC Batch Method: EPA 3510

Analysis Description: 8270 Water PAH by SIM MSSV

Associated Lab Samples: 4019000009

METHOD BLANK: 173914

Matrix: Water

Associated Lab Samples: 4019000009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.050	06/24/09 12:22	
Acenaphthylene	ug/L	ND	0.050	06/24/09 12:22	
Anthracene	ug/L	ND	0.050	06/24/09 12:22	
Benzo(a)anthracene	ug/L	ND	0.050	06/24/09 12:22	
Benzo(a)pyrene	ug/L	ND	0.050	06/24/09 12:22	
Benzo(b)fluoranthene	ug/L	ND	0.050	06/24/09 12:22	
Benzo(g,h,i)perylene	ug/L	ND	0.050	06/24/09 12:22	
Benzo(k)fluoranthene	ug/L	ND	0.050	06/24/09 12:22	
Chrysene	ug/L	ND	0.050	06/24/09 12:22	
Dibenz(a,h)anthracene	ug/L	ND	0.050	06/24/09 12:22	
Fluoranthene	ug/L	ND	0.050	06/24/09 12:22	
Fluorene	ug/L	ND	0.050	06/24/09 12:22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.050	06/24/09 12:22	
Naphthalene	ug/L	ND	0.050	06/24/09 12:22	
Phenanthrene	ug/L	ND	0.050	06/24/09 12:22	
Pyrene	ug/L	ND	0.050	06/24/09 12:22	
2-Fluorobiphenyl (S)	%	39	25-130	06/24/09 12:22	
Terphenyl-d14 (S)	%	58	36-140	06/24/09 12:22	

LABORATORY CONTROL SAMPLE & LCSD: 173915

173916

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	.2	0.14	0.15	68	73	43-130	6	46	
Acenaphthylene	ug/L	.2	0.13	0.14	63	68	33-130	7	47	
Anthracene	ug/L	.2	0.13	0.15	66	74	33-130	12	50	
Benzo(a)anthracene	ug/L	.2	0.16	0.17	82	83	41-130	.9	20	
Benzo(a)pyrene	ug/L	.2	0.18	0.20	92	98	59-130	7	20	
Benzo(b)fluoranthene	ug/L	.2	0.19	0.21	97	107	53-130	10	20	
Benzo(g,h,i)perylene	ug/L	.2	0.20	0.22	98	108	55-130	9	20	
Benzo(k)fluoranthene	ug/L	.2	0.21	0.22	106	109	64-133	2	20	
Chrysene	ug/L	.2	0.19	0.20	94	102	62-130	8	20	
Dibenz(a,h)anthracene	ug/L	.2	0.19	0.21	96	105	37-130	9	20	
Fluoranthene	ug/L	.2	0.16	0.17	79	86	48-130	9	37	
Fluorene	ug/L	.2	0.14	0.15	69	75	42-130	8	48	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.19	0.21	95	104	46-130	9	20	
Naphthalene	ug/L	.2	0.15	0.15	77	74	33-130	4	53	
Phenanthrene	ug/L	.2	0.14	0.16	71	78	36-130	9	47	
Pyrene	ug/L	.2	0.16	0.17	80	86	51-130	8	33	
2-Fluorobiphenyl (S)	%				52	56	25-130			
Terphenyl-d14 (S)	%				74	76	36-140			

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4019000

QC Batch: WETA/4136

Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4

Analysis Description: 410.4 COD

Associated Lab Samples: 4019000009

METHOD BLANK: 174373

Matrix: Water

Associated Lab Samples: 4019000009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	50.0	06/24/09 11:00	

LABORATORY CONTROL SAMPLE: 174374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	514	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 174375

174376

Parameter	Units	4019000009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	128	526	526	671	652	103	100	90-110	3	10	

QUALIFIERS

Project: PERRYVILLE, IL

Pace Project No.: 4019000

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-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSSV/1913

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSSV/1916

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PERRYVILLE, IL

Pace Project No.: 4019000

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4019000001	WQ(R)-1L	EPA 5030/8015 Mod.	GCV/3586		
4019000002	WQ(R)-1R	EPA 5030/8015 Mod.	GCV/3586		
4019000003	WQ(R)-2L	EPA 5030/8015 Mod.	GCV/3586		
4019000004	WQ(R)-2R	EPA 5030/8015 Mod.	GCV/3586		
4019000005	WQ(R)-3L	EPA 5030/8015 Mod.	GCV/3586		
4019000006	WQ(R)-3R	EPA 5030/8015 Mod.	GCV/3586		
4019000007	WQ(R)-4L	EPA 5030/8015 Mod.	GCV/3586		
4019000008	WQ(R)-4R	EPA 5030/8015 Mod.	GCV/3586		
4019000001	WQ(R)-1L	EPA 8260	MSV/4814		
4019000002	WQ(R)-1R	EPA 8260	MSV/4814		
4019000003	WQ(R)-2L	EPA 8260	MSV/4814		
4019000004	WQ(R)-2R	EPA 8260	MSV/4814		
4019000005	WQ(R)-3L	EPA 8260	MSV/4814		
4019000006	WQ(R)-3R	EPA 8260	MSV/4814		
4019000007	WQ(R)-4L	EPA 8260	MSV/4814		
4019000008	WQ(R)-4R	EPA 8260	MSV/4814		
4019000009	WQ(R)-5	EPA 8260	MSV/4816		
4019000010	TRIP BLANK	EPA 8260	MSV/4816		
4019000009	WQ(R)-5	EPA 3510	OEXT/4571	EPA 8270	MSSV/1913
4019000009	WQ(R)-5	EPA 3510	OEXT/4572	EPA 8270 by SIM	MSSV/1916
4019000009	WQ(R)-5	EPA 410.4	WETA/4136		