

June 24, 2009

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

RE: Project: PERRYVILLE, IL
Pace Project No.: 4018998

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.: 4018998

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

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SAMPLE SUMMARY

Project: PERRYVILLE, IL

Pace Project No.: 4018998

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4018998001	TRIB-2	Water	06/23/09 11:18	06/23/09 21:36
4018998002	TRIB-3	Water	06/23/09 11:27	06/23/09 21:36
4018998003	WQ-6	Water	06/23/09 11:37	06/23/09 21:36
4018998004	WQ-7	Water	06/23/09 11:56	06/23/09 21:36
4018998005	WQ-10	Water	06/23/09 12:50	06/23/09 21:36
4018998006	WQ-11	Water	06/23/09 13:03	06/23/09 21:36
4018998007	WQ-12	Water	06/23/09 13:18	06/23/09 21:36
4018998008	WQ-9	Water	06/23/09 14:00	06/23/09 21:36
4018998009	WQ-8	Water	06/23/09 14:19	06/23/09 21:36
4018998010	TRIB-1	Water	06/23/09 14:53	06/23/09 21:36
4018998011	SOURCE-1	Water	06/23/09 17:06	06/23/09 21:36

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SAMPLE ANALYTE COUNT

Project: PERRYVILLE, IL

Pace Project No.: 4018998

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4018998001	TRIB-2	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998002	TRIB-3	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998003	WQ-6	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998004	WQ-7	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998005	WQ-10	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998006	WQ-11	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998007	WQ-12	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998008	WQ-9	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998009	WQ-8	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998010	TRIB-1	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G
4018998011	SOURCE-1	EPA 5030/8015 Mod.	PMS	1	PASI-G
		EPA 8260	SMT	9	PASI-G

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PROJECT NARRATIVE

Project: PERRYVILLE, IL

Pace Project No.: 4018998

Method: EPA 5030/8015 Mod.

Description: Gasoline Range Organics

Client: Chicago Central & Pacific Railroad

Date: June 24, 2009

General Information:

11 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.: 4018998

Method: EPA 8260

Description: 8260 MSV UST

Client: Chicago Central & Pacific Railroad

Date: June 24, 2009

General Information:

11 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:

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.: 4018998

Sample: TRIB-2		Lab ID: 4018998001	Collected: 06/23/09 11:18		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 08:31		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 10:21	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 10:21	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 10:21	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 10:21	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 10:21	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 10:21	95-47-6	
Dibromofluoromethane (S)	100 %		70-130	1		06/24/09 10:21	1868-53-7	
Toluene-d8 (S)	101 %		70-130	1		06/24/09 10:21	2037-26-5	
4-Bromofluorobenzene (S)	92 %		70-130	1		06/24/09 10:21	460-00-4	

Sample: TRIB-3		Lab ID: 4018998002	Collected: 06/23/09 11:27		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 08:57		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 10:45	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 10:45	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 10:45	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 10:45	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 10:45	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 10:45	95-47-6	
Dibromofluoromethane (S)	99 %		70-130	1		06/24/09 10:45	1868-53-7	
Toluene-d8 (S)	101 %		70-130	1		06/24/09 10:45	2037-26-5	
4-Bromofluorobenzene (S)	93 %		70-130	1		06/24/09 10:45	460-00-4	

Sample: WQ-6		Lab ID: 4018998003	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
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		100	1		06/24/09 07:15		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 11:08	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 11:08	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 11:08	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 11:08	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 11:08	1330-20-7	

Date: 06/24/2009 02:51 PM

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ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4018998

Sample: WQ-6		Lab ID: 4018998003	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 UST		Analytical Method: EPA 8260						
o-Xylene	ND ug/L		1.0	1		06/24/09 11:08	95-47-6	
Dibromofluoromethane (S)	95 %		70-130	1		06/24/09 11:08	1868-53-7	
Toluene-d8 (S)	102 %		70-130	1		06/24/09 11:08	2037-26-5	
4-Bromofluorobenzene (S)	94 %		70-130	1		06/24/09 11:08	460-00-4	

Sample: WQ-7		Lab ID: 4018998004	Collected: 06/23/09 11:56	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 09:22		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 11:32	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 11:32	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 11:32	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 11:32	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 11:32	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 11:32	95-47-6	
Dibromofluoromethane (S)	95 %		70-130	1		06/24/09 11:32	1868-53-7	
Toluene-d8 (S)	103 %		70-130	1		06/24/09 11:32	2037-26-5	
4-Bromofluorobenzene (S)	92 %		70-130	1		06/24/09 11:32	460-00-4	

Sample: WQ-10		Lab ID: 4018998005	Collected: 06/23/09 12:50	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 09:48		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 09:11	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 09:11	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 09:11	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 09:11	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 09:11	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 09:11	95-47-6	
Dibromofluoromethane (S)	98 %		70-130	1		06/24/09 09:11	1868-53-7	
Toluene-d8 (S)	101 %		70-130	1		06/24/09 09:11	2037-26-5	
4-Bromofluorobenzene (S)	94 %		70-130	1		06/24/09 09:11	460-00-4	

ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4018998

Sample: WQ-11		Lab ID: 4018998006	Collected: 06/23/09 13:03	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 10:13		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 11:55	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 11:55	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 11:55	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 11:55	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 11:55	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 11:55	95-47-6	
Dibromofluoromethane (S)	97 %		70-130	1		06/24/09 11:55	1868-53-7	
Toluene-d8 (S)	97 %		70-130	1		06/24/09 11:55	2037-26-5	
4-Bromofluorobenzene (S)	93 %		70-130	1		06/24/09 11:55	460-00-4	

Sample: WQ-12		Lab ID: 4018998007	Collected: 06/23/09 13:18	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 10:39		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 12:19	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 12:19	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 12:19	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 12:19	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 12:19	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 12:19	95-47-6	
Dibromofluoromethane (S)	96 %		70-130	1		06/24/09 12:19	1868-53-7	
Toluene-d8 (S)	102 %		70-130	1		06/24/09 12:19	2037-26-5	
4-Bromofluorobenzene (S)	95 %		70-130	1		06/24/09 12:19	460-00-4	

Sample: WQ-9		Lab ID: 4018998008	Collected: 06/23/09 14:00	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 11:04		
8260 MSV UST		Analytical Method: EPA 8260						
Benzene	ND ug/L		1.0	1		06/24/09 12:43	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 12:43	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 12:43	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 12:43	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 12:43	1330-20-7	

Date: 06/24/2009 02:51 PM

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ANALYTICAL RESULTS

Project: PERRYVILLE, IL
Pace Project No.: 4018998

Sample: WQ-9		Lab ID: 4018998008	Collected: 06/23/09 14:00	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 12:43	95-47-6	
Dibromofluoromethane (S)	98	%	70-130	1		06/24/09 12:43	1868-53-7	
Toluene-d8 (S)	101	%	70-130	1		06/24/09 12:43	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		06/24/09 12:43	460-00-4	

Sample: WQ-8		Lab ID: 4018998009	Collected: 06/23/09 14:19	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 13:06	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/24/09 13:06	100-41-4	
Toluene	ND	ug/L	1.0	1		06/24/09 13:06	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/24/09 13:06	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/24/09 13:06	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		06/24/09 13:06	95-47-6	
Dibromofluoromethane (S)	97	%	70-130	1		06/24/09 13:06	1868-53-7	
Toluene-d8 (S)	102	%	70-130	1		06/24/09 13:06	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130	1		06/24/09 13:06	460-00-4	

Sample: TRIB-1		Lab ID: 4018998010	Collected: 06/23/09 14:53	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 13:30	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/24/09 13:30	100-41-4	
Toluene	ND	ug/L	1.0	1		06/24/09 13:30	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/24/09 13:30	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/24/09 13:30	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		06/24/09 13:30	95-47-6	
Dibromofluoromethane (S)	96	%	70-130	1		06/24/09 13:30	1868-53-7	
Toluene-d8 (S)	104	%	70-130	1		06/24/09 13:30	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		06/24/09 13:30	460-00-4	

ANALYTICAL RESULTS

Project: PERRYVILLE, IL

Pace Project No.: 4018998

Sample: SOURCE-1		Lab ID: 4018998011	Collected: 06/23/09 17:06	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 13:53	71-43-2	
Ethylbenzene	ND ug/L		1.0	1		06/24/09 13:53	100-41-4	
Toluene	ND ug/L		1.0	1		06/24/09 13:53	108-88-3	
Xylene (Total)	ND ug/L		3.0	1		06/24/09 13:53	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		06/24/09 13:53	1330-20-7	
o-Xylene	ND ug/L		1.0	1		06/24/09 13:53	95-47-6	
Dibromofluoromethane (S)	100 %		70-130	1		06/24/09 13:53	1868-53-7	
Toluene-d8 (S)	102 %		70-130	1		06/24/09 13:53	2037-26-5	
4-Bromofluorobenzene (S)	94 %		70-130	1		06/24/09 13:53	460-00-4	

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4018998

QC Batch:	GCV/3584	Analysis Method:	EPA 5030/8015 Mod.
QC Batch Method:	EPA 5030/8015 Mod.	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	4018998001, 4018998002, 4018998003, 4018998004, 4018998005, 4018998006, 4018998007, 4018998008		

METHOD BLANK:	173867	Matrix:	Water
Associated Lab Samples:	4018998001, 4018998002, 4018998003, 4018998004, 4018998005, 4018998006, 4018998007, 4018998008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C10)	ug/L	ND	100	06/24/09 05:58	

LABORATORY CONTROL SAMPLE & LCSD:		173868		173869							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
TPH (C06-C10)	ug/L	1000	1020	1010	102	101	80-120	1	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
173899					173900							
Parameter	Units	4018998003 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	1030	1020	103	102	63-142	1	23	

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4018998

QC Batch:	GCV/3585	Analysis Method:	EPA 5030/8015 Mod.
QC Batch Method:	EPA 5030/8015 Mod.	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	4018998009, 4018998010, 4018998011		

METHOD BLANK: 173870 Matrix: Water

Associated Lab Samples: 4018998009, 4018998010, 4018998011

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

LABORATORY CONTROL SAMPLE & LCSD: 173871

173872

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH (C06-C10)	ug/L	1000	1030	1030	103	103	80-120	.07	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173901

173902

Parameter	Units	4018999001 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	1040	1090	104	109	63-142	5	23	

QUALITY CONTROL DATA

Project: PERRYVILLE, IL

Pace Project No.: 4018998

QC Batch:	MSV/4813	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
Associated Lab Samples:	4018998001, 4018998002, 4018998003, 4018998004, 4018998005, 4018998006, 4018998007, 4018998008, 4018998009, 4018998010, 4018998011		

METHOD BLANK: 173876 Matrix: Water

Associated Lab Samples: 4018998001, 4018998002, 4018998003, 4018998004, 4018998005, 4018998006, 4018998007, 4018998008, 4018998009, 4018998010, 4018998011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/24/09 07:12	
Ethylbenzene	ug/L	ND	1.0	06/24/09 07:12	
m&p-Xylene	ug/L	ND	2.0	06/24/09 07:12	
o-Xylene	ug/L	ND	1.0	06/24/09 07:12	
Toluene	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	

LABORATORY CONTROL SAMPLE & LCSD: 173877

173878

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	50	46.8	45.9	94	92	70-131	2	20	
Ethylbenzene	ug/L	50	50.5	49.3	101	99	70-130	2	20	
m&p-Xylene	ug/L	100	103	99.8	103	100	70-130	3	20	
o-Xylene	ug/L	50	49.0	50.1	98	100	70-130	2	20	
Toluene	ug/L	50	49.1	48.0	98	96	70-130	2	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			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173894

173895

Parameter	Units	4018998005 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	44.2	46.0	88	92	69-131	4	20	
Ethylbenzene	ug/L	ND	50	50	50.0	49.5	100	99	70-130	1	20	
m&p-Xylene	ug/L	ND	100	100	100	101	100	101	70-130	.8	20	
o-Xylene	ug/L	ND	50	50	48.3	49.0	97	98	70-130	1	20	
Toluene	ug/L	ND	50	50	49.1	48.9	98	98	70-130	.5	20	
Xylene (Total)	ug/L	ND	150	150	149	150	99	100	70-130	1	20	
4-Bromofluorobenzene (S)	%						96	95	70-130			
Dibromofluoromethane (S)	%						97	101	70-130			
Toluene-d8 (S)	%						105	102	70-130			

QUALIFIERS

Project: PERRYVILLE, IL

Pace Project No.: 4018998

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PERRYVILLE, IL

Pace Project No.: 4018998

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4018998001	TRIB-2	EPA 5030/8015 Mod.	GCV/3584		
4018998002	TRIB-3	EPA 5030/8015 Mod.	GCV/3584		
4018998003	WQ-6	EPA 5030/8015 Mod.	GCV/3584		
4018998004	WQ-7	EPA 5030/8015 Mod.	GCV/3584		
4018998005	WQ-10	EPA 5030/8015 Mod.	GCV/3584		
4018998006	WQ-11	EPA 5030/8015 Mod.	GCV/3584		
4018998007	WQ-12	EPA 5030/8015 Mod.	GCV/3584		
4018998008	WQ-9	EPA 5030/8015 Mod.	GCV/3584		
4018998009	WQ-8	EPA 5030/8015 Mod.	GCV/3585		
4018998010	TRIB-1	EPA 5030/8015 Mod.	GCV/3585		
4018998011	SOURCE-1	EPA 5030/8015 Mod.	GCV/3585		
4018998001	TRIB-2	EPA 8260	MSV/4813		
4018998002	TRIB-3	EPA 8260	MSV/4813		
4018998003	WQ-6	EPA 8260	MSV/4813		
4018998004	WQ-7	EPA 8260	MSV/4813		
4018998005	WQ-10	EPA 8260	MSV/4813		
4018998006	WQ-11	EPA 8260	MSV/4813		
4018998007	WQ-12	EPA 8260	MSV/4813		
4018998008	WQ-9	EPA 8260	MSV/4813		
4018998009	WQ-8	EPA 8260	MSV/4813		
4018998010	TRIB-1	EPA 8260	MSV/4813		
4018998011	SOURCE-1	EPA 8260	MSV/4813		