

May 28, 2013

Eric Grosjean  
Atmospheric Analysis & Consult  
1534 Eastman Ave  
Suite A  
Ventura, CA 93003

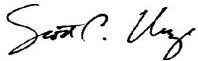
RE: Project: BRIDGETON SANITARY LF  
Pace Project No.: 10228183

Dear Eric Grosjean:

Enclosed are the analytical results for sample(s) received by the laboratory on May 09, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Scott Unze

scott.unze@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

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### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

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Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

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Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia/DCLS Certification #: 002521

Virginia/VELAP Certification #: 460163

Washington Certification #: C754

West Virginia Certification #: 382

Wisconsin Certification #: 999407970

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## REPORT OF LABORATORY ANALYSIS

## SAMPLE SUMMARY

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10228183001	D-1	Air	05/07/13 08:35	05/09/13 08:25
10228183002	U-2	Air	05/07/13 09:47	05/09/13 08:25
10228183003	BZ-1	Air	05/07/13 10:53	05/09/13 08:25
10228183004	F-2	Air	05/08/13 12:12	05/09/13 08:25
10228183005	F-1	Air	05/08/13 14:20	05/09/13 08:25
10228183006	F-3	Air	05/08/13 16:45	05/09/13 08:25
10228183007	TRIP BLANK	Air	05/08/13 17:00	05/09/13 08:25

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10228183001	D-1	TO-13	JMZ	21
10228183002	U-2	TO-13	JMZ	21
10228183003	BZ-1	TO-13	JMZ	21
10228183004	F-2	TO-13	JMZ, WJH	21
10228183005	F-1	TO-13	WJH	21
10228183006	F-3	TO-13	JMZ, WJH	21
10228183007	TRIP BLANK	TO-13	JMZ	21

### REPORT OF LABORATORY ANALYSIS

## ANALYTICAL RESULTS

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Sample: D-1		Lab ID: 10228183001	Collected: 05/07/13 08:35	Received: 05/09/13 08:25	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO13 MSSV AIR</b>		Analytical Method: TO-13 Preparation Method: TO-13						
Acenaphthene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	83-32-9	L2
Acenaphthylene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	208-96-8	L2
Anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	120-12-7	L2
Benzo(a)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	56-55-3	L2
Benzo(a)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	50-32-8	L2
Benzo(b)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	205-99-2	L2
Benzo(e)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	192-97-2	L2
Benzo(g,h,i)perylene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	191-24-2	L2
Benzo(k)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	207-08-9	L2
Chrysene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	218-01-9	L2
Dibenz(a,h)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	53-70-3	L2
Fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	206-44-0	L2
Fluorene	<b>0.82</b> Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	86-73-7	L2
Indeno(1,2,3-cd)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	193-39-5	L2
1-Methylnaphthalene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	90-12-0	L2
2-Methylnaphthalene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	91-57-6	L2
Naphthalene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	91-20-3	L2
Phenanthrene	<b>3.8</b> Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	85-01-8	L2
Pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:27	129-00-0	L2
<b>Surrogates</b>								
Terphenyl-d14 (S)	48 %		60-120	5	05/14/13 00:00	05/16/13 23:27	1718-51-0	P2,S1
2-Fluorobiphenyl (S)	41 %		60-120	5	05/14/13 00:00	05/16/13 23:27	321-60-8	S1

## ANALYTICAL RESULTS

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Sample: U-2		Lab ID: 10228183002	Collected: 05/07/13 09:47	Received: 05/09/13 08:25	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO13 MSSV AIR</b>		Analytical Method: TO-13 Preparation Method: TO-13						
Acenaphthene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	83-32-9	L2
Acenaphthylene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	208-96-8	L2
Anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	120-12-7	L2
Benzo(a)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	56-55-3	L2
Benzo(a)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	50-32-8	L2
Benzo(b)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	205-99-2	L2
Benzo(e)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	192-97-2	L2
Benzo(g,h,i)perylene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	191-24-2	L2
Benzo(k)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	207-08-9	L2
Chrysene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	218-01-9	L2
Dibenz(a,h)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	53-70-3	L2
Fluoranthene	<b>0.79</b> Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	206-44-0	L2
Fluorene	<b>0.94</b> Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	86-73-7	L2
Indeno(1,2,3-cd)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	193-39-5	L2
1-Methylnaphthalene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	90-12-0	L2
2-Methylnaphthalene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	91-57-6	L2
Naphthalene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	91-20-3	L2
Phenanthrene	<b>4.5</b> Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	85-01-8	L2
Pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/16/13 23:46	129-00-0	L2
<b>Surrogates</b>								
Terphenyl-d14 (S)	45 %		60-120	5	05/14/13 00:00	05/16/13 23:46	1718-51-0	P2,S1
2-Fluorobiphenyl (S)	41 %		60-120	5	05/14/13 00:00	05/16/13 23:46	321-60-8	S1

### ANALYTICAL RESULTS

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Sample: BZ-1		Lab ID: 10228183003	Collected: 05/07/13 10:53	Received: 05/09/13 08:25	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO13 MSSV AIR</b>		Analytical Method: TO-13 Preparation Method: TO-13						
Acenaphthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	83-32-9	L2
Acenaphthylene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	208-96-8	L2
Anthracene	<b>0.52</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	120-12-7	L2
Benzo(a)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	56-55-3	L2
Benzo(a)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	50-32-8	L2
Benzo(b)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	205-99-2	L2
Benzo(e)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	192-97-2	L2
Benzo(g,h,i)perylene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	191-24-2	L2
Benzo(k)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	207-08-9	L2
Chrysene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	218-01-9	L2
Dibenz(a,h)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	53-70-3	L2
Fluoranthene	<b>1.0</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	206-44-0	L2
Fluorene	<b>0.71</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	86-73-7	L2
Indeno(1,2,3-cd)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	193-39-5	L2
1-Methylnaphthalene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	90-12-0	L2
2-Methylnaphthalene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	91-57-6	L2
Naphthalene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	91-20-3	L2
Phenanthrene	<b>6.1</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	85-01-8	L2
Pyrene	<b>0.67</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 00:05	129-00-0	L2
<b>Surrogates</b>								
Terphenyl-d14 (S)	51 %		60-120	5	05/14/13 00:00	05/17/13 00:05	1718-51-0	P2,S1
2-Fluorobiphenyl (S)	46 %		60-120	5	05/14/13 00:00	05/17/13 00:05	321-60-8	S1

### ANALYTICAL RESULTS

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Sample: F-2	Lab ID: 10228183004	Collected: 05/08/13 12:12	Received: 05/09/13 08:25	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO13 MSSV AIR</b>		Analytical Method: TO-13 Preparation Method: TO-13						
Acenaphthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	83-32-9	L2
Acenaphthylene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	208-96-8	L2
Anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	120-12-7	L2
Benzo(a)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	56-55-3	L2
Benzo(a)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	50-32-8	L2
Benzo(b)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	205-99-2	L2
Benzo(e)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	192-97-2	L2
Benzo(g,h,i)perylene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	191-24-2	L2
Benzo(k)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	207-08-9	L2
Chrysene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	218-01-9	L2
Dibenz(a,h)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	53-70-3	L2
Fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	206-44-0	L2
Fluorene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	86-73-7	L2
Indeno(1,2,3-cd)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	193-39-5	L2
1-Methylnaphthalene	<b>7.7</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	90-12-0	L2
2-Methylnaphthalene	<b>8.6</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	91-57-6	L2
Naphthalene	<b>102</b> Total ug		2.5	25	05/14/13 00:00	05/17/13 12:31	91-20-3	L2
Phenanthrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	85-01-8	L2
Pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 00:24	129-00-0	L2
<b>Surrogates</b>								
Terphenyl-d14 (S)	46 %		60-120	5	05/14/13 00:00	05/17/13 00:24	1718-51-0	P2,S1
2-Fluorobiphenyl (S)	80 %		60-120	5	05/14/13 00:00	05/17/13 00:24	321-60-8	



## ANALYTICAL RESULTS

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Sample: F-1		Lab ID: 10228183005	Collected: 05/08/13 14:20	Received: 05/09/13 08:25	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO13 MSSV AIR</b>		Analytical Method: TO-13 Preparation Method: TO-13						
Acenaphthene	<b>123</b> Total ug		5.0	50	05/14/13 00:00	05/17/13 12:50	83-32-9	L2
Acenaphthylene	<b>2.4</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	208-96-8	L2
Anthracene	<b>1.5</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	120-12-7	L2
Benzo(a)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	56-55-3	L2
Benzo(a)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	50-32-8	L2
Benzo(b)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	205-99-2	L2
Benzo(e)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	192-97-2	L2
Benzo(g,h,i)perylene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	191-24-2	L2
Benzo(k)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	207-08-9	L2
Chrysene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	218-01-9	L2
Dibenz(a,h)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	53-70-3	L2
Fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	206-44-0	L2
Fluorene	<b>80.5</b> Total ug		5.0	50	05/14/13 00:00	05/17/13 12:50	86-73-7	L2
Indeno(1,2,3-cd)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	193-39-5	L2
1-Methylnaphthalene	<b>194</b> Total ug		5.0	50	05/14/13 00:00	05/17/13 12:50	90-12-0	L2
2-Methylnaphthalene	<b>299</b> Total ug		5.0	50	05/14/13 00:00	05/17/13 12:50	91-57-6	L2
Naphthalene	<b>569</b> Total ug		10.0	100	05/14/13 00:00	05/17/13 14:02	91-20-3	L2
Phenanthrene	<b>8.7</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	85-01-8	L2
Pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 18:19	129-00-0	L2
<b>Surrogates</b>								
Terphenyl-d14 (S)	49 %		60-120	5	05/14/13 00:00	05/17/13 18:19	1718-51-0	P2,S1
2-Fluorobiphenyl (S)	61 %		60-120	5	05/14/13 00:00	05/17/13 18:19	321-60-8	

## ANALYTICAL RESULTS

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Sample: F-3		Lab ID: 10228183006	Collected: 05/08/13 16:45	Received: 05/09/13 08:25	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO13 MSSV AIR</b>		Analytical Method: TO-13 Preparation Method: TO-13						
Acenaphthene	<b>28.8</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	83-32-9	L2
Acenaphthylene	<b>0.65</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	208-96-8	L2
Anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	120-12-7	L2
Benzo(a)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	56-55-3	L2
Benzo(a)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	50-32-8	L2
Benzo(b)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	205-99-2	L2
Benzo(e)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	192-97-2	L2
Benzo(g,h,i)perylene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	191-24-2	L2
Benzo(k)fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	207-08-9	L2
Chrysene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	218-01-9	L2
Dibenz(a,h)anthracene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	53-70-3	L2
Fluoranthene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	206-44-0	L2
Fluorene	<b>9.3</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	86-73-7	L2
Indeno(1,2,3-cd)pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	193-39-5	L2
1-Methylnaphthalene	<b>77.3</b> Total ug		5.0	50	05/14/13 00:00	05/17/13 13:09	90-12-0	L2
2-Methylnaphthalene	<b>143</b> Total ug		5.0	50	05/14/13 00:00	05/17/13 13:09	91-57-6	L2
Naphthalene	<b>502</b> Total ug		10.0	100	05/14/13 00:00	05/17/13 14:21	91-20-3	L2
Phenanthrene	<b>1.9</b> Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	85-01-8	L2
Pyrene	ND Total ug		0.50	5	05/14/13 00:00	05/17/13 01:03	129-00-0	L2
<b>Surrogates</b>								
Terphenyl-d14 (S)	45 %		60-120	5	05/14/13 00:00	05/17/13 01:03	1718-51-0	P2,S1
2-Fluorobiphenyl (S)	44 %		60-120	5	05/14/13 00:00	05/17/13 01:03	321-60-8	S1

## ANALYTICAL RESULTS

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Sample: TRIP BLANK		Lab ID: 10228183007	Collected: 05/08/13 17:00	Received: 05/09/13 08:25	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO13 MSSV AIR</b>		Analytical Method: TO-13 Preparation Method: TO-13						
Acenaphthene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	83-32-9	L2
Acenaphthylene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	208-96-8	L2
Anthracene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	120-12-7	L2
Benzo(a)anthracene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	56-55-3	L2
Benzo(a)pyrene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	50-32-8	L2
Benzo(b)fluoranthene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	205-99-2	L2
Benzo(e)pyrene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	192-97-2	L2
Benzo(g,h,i)perylene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	191-24-2	L2
Benzo(k)fluoranthene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	207-08-9	L2
Chrysene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	218-01-9	L2
Dibenz(a,h)anthracene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	53-70-3	L2
Fluoranthene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	206-44-0	L2
Fluorene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	86-73-7	L2
Indeno(1,2,3-cd)pyrene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	193-39-5	L2
1-Methylnaphthalene	<b>0.43</b> Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	90-12-0	B,L2
2-Methylnaphthalene	<b>0.38</b> Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	91-57-6	B,L2
Naphthalene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	91-20-3	L2
Phenanthrene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	85-01-8	L2
Pyrene	ND Total ug		0.10	1	05/14/13 00:00	05/16/13 22:29	129-00-0	L2
<b>Surrogates</b>								
Terphenyl-d14 (S)	46 %		60-120	1	05/14/13 00:00	05/16/13 22:29	1718-51-0	P2,S1
2-Fluorobiphenyl (S)	42 %		60-120	1	05/14/13 00:00	05/16/13 22:29	321-60-8	S1

**QUALITY CONTROL DATA**

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

QC Batch: OEXT/21655 Analysis Method: TO-13  
 QC Batch Method: TO-13 Analysis Description: TO13 MSS AIR  
 Associated Lab Samples: 10228183001, 10228183002, 10228183003, 10228183004, 10228183005, 10228183006, 10228183007

METHOD BLANK: 1431381 Matrix: Air  
 Associated Lab Samples: 10228183001, 10228183002, 10228183003, 10228183004, 10228183005, 10228183006, 10228183007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	Total ug	0.26	0.10	05/16/13 21:31	
2-Methylnaphthalene	Total ug	0.26	0.10	05/16/13 21:31	
Acenaphthene	Total ug	ND	0.10	05/16/13 21:31	
Acenaphthylene	Total ug	ND	0.10	05/16/13 21:31	
Anthracene	Total ug	ND	0.10	05/16/13 21:31	
Benzo(a)anthracene	Total ug	ND	0.10	05/16/13 21:31	
Benzo(a)pyrene	Total ug	ND	0.10	05/16/13 21:31	
Benzo(b)fluoranthene	Total ug	ND	0.10	05/16/13 21:31	
Benzo(e)pyrene	Total ug	ND	0.10	05/16/13 21:31	
Benzo(g,h,i)perylene	Total ug	ND	0.10	05/16/13 21:31	
Benzo(k)fluoranthene	Total ug	ND	0.10	05/16/13 21:31	
Chrysene	Total ug	ND	0.10	05/16/13 21:31	
Dibenz(a,h)anthracene	Total ug	ND	0.10	05/16/13 21:31	
Fluoranthene	Total ug	ND	0.10	05/16/13 21:31	
Fluorene	Total ug	ND	0.10	05/16/13 21:31	
Indeno(1,2,3-cd)pyrene	Total ug	ND	0.10	05/16/13 21:31	
Naphthalene	Total ug	ND	0.10	05/16/13 21:31	
Phenanthrene	Total ug	ND	0.10	05/16/13 21:31	
Pyrene	Total ug	ND	0.10	05/16/13 21:31	
2-Fluorobiphenyl (S)	%	45	60-120	05/16/13 21:31	S1
Terphenyl-d14 (S)	%	45	60-120	05/16/13 21:31	S1

LABORATORY CONTROL SAMPLE & LCSD: 1431382 1431383

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	Total ug	1	0.41	0.41	41	41	60-120	1	30	L0
2-Methylnaphthalene	Total ug	1	0.58	0.55	58	55	60-120	6	30	L0
Acenaphthene	Total ug	1	0.38	0.38	38	38	60-120	1	30	L0
Acenaphthylene	Total ug	1	0.39	0.36	39	36	60-120	10	30	L0
Anthracene	Total ug	1	0.37	0.38	37	38	60-120	1	30	L0
Benzo(a)anthracene	Total ug	1	0.40	0.38	40	38	60-120	4	30	L0
Benzo(a)pyrene	Total ug	1	0.43	0.41	43	41	60-120	6	30	L0
Benzo(b)fluoranthene	Total ug	1	0.40	0.39	40	39	60-120	3	30	L0
Benzo(e)pyrene	Total ug	1	0.44	0.43	44	43	60-120	3	30	L0
Benzo(g,h,i)perylene	Total ug	1	0.39	0.39	39	39	60-120	.03	30	L0
Benzo(k)fluoranthene	Total ug	1	0.47	0.44	47	44	60-120	5	30	L0
Chrysene	Total ug	1	0.39	0.38	39	38	60-120	1	30	L0
Dibenz(a,h)anthracene	Total ug	1	0.40	0.39	40	39	60-120	2	30	L0
Fluoranthene	Total ug	1	0.39	0.38	39	38	60-120	3	30	L0
Fluorene	Total ug	1	0.39	0.37	39	37	60-120	3	30	L0
Indeno(1,2,3-cd)pyrene	Total ug	1	0.39	0.38	39	38	60-120	3	30	L0

### QUALITY CONTROL DATA

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

LABORATORY CONTROL SAMPLE & LCSD:		1431382	1431383								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Naphthalene	Total ug	1	0.38	0.38	38	38	60-120	2	30	L0	
Phenanthrene	Total ug	1	0.38	0.37	38	37	60-120	3	30	L0	
Pyrene	Total ug	1	0.40	0.38	40	38	60-120	4	30	L0	
2-Fluorobiphenyl (S)	%				43	41	60-120			S1	
Terphenyl-d14 (S)	%				45	42	60-120			S1	

## QUALIFIERS

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

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### 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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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

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

P2 Re-extraction or re-analysis could not be performed due to insufficient sample amount.

S1 Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BRIDGETON SANITARY LF

Pace Project No.: 10228183

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10228183001	D-1	TO-13	OEXT/21655	TO-13	MSSV/9269
10228183002	U-2	TO-13	OEXT/21655	TO-13	MSSV/9269
10228183003	BZ-1	TO-13	OEXT/21655	TO-13	MSSV/9269
10228183004	F-2	TO-13	OEXT/21655	TO-13	MSSV/9269
10228183005	F-1	TO-13	OEXT/21655	TO-13	MSSV/9269
10228183006	F-3	TO-13	OEXT/21655	TO-13	MSSV/9269
10228183007	TRIP BLANK	TO-13	OEXT/21655	TO-13	MSSV/9269