Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 06, 2015

Matt Faust
Bristol Environmental Remediation Services, LLC
111 W. 16th Avenue
Anchorage, AK 99501

RE: Project: Tower Standard Lust Site
Pace Project No.: 10323991

Dear Matt Faust:
Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2015. 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,

Timothy Sandager
timothy.sandager@pacelabs.com
Project Manager

Enclosures

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EPA-R5-2017-010506_0002161

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CERTIFICATIONS

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10323991001	**1175 HASHELL LAKE**	Water	09/24/15 01:00	09/28/15 10:15
10323991002	**1161 HASHELL LAKE (ROAD)**	Water	09/24/15 01:40	09/28/15 10:15
10323991003	**1167 HLR**	Water	09/24/15 02:40	09/28/15 10:15
10323991004	**DUP-1 1167 HLR**	Water	09/24/15 02:40	09/28/15 10:15
10323991005	**HASHELL LAKE LODGE**	Water	09/24/15 03:15	09/28/15 10:15
10323991006	**TRIBALL OFFICE**	Water	09/24/15 03:40	09/28/15 10:15

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SAMPLE ANALYTE COUNT

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10323991001	**1175 HASHELL LAKE**	EPA 8270D by SIM	AS1	18
10323991002	**1161 HASHELL LAKE (ROAD)**	EPA 8270D by SIM	AS1	18
10323991003	**1167 HLR**	EPA 8270D by SIM	AS1	18
10323991004	**DUP-1 1167 HLR**	EPA 8270D by SIM	AS1	18
10323991005	**HASHELL LAKE LODGE**	EPA 8270D by SIM	AS1	18
10323991006	**TRIBALL OFFICE**	EPA 8270D by SIM	AS1	18

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PROJECT NARRATIVE

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Method: **EPA 8270D by SIM**
Description: 8270D MSSV PAH by SIM
Client: Bristol Environmental Remediation Services, LLC
Date: October 06, 2015

General Information:
6 samples were analyzed for EPA 8270D by SIM. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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 3510C 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, where applicable, 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.

Additional Comments:

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

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ANALYTICAL RESULTS

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Sample: 1175 HASHELL LAKE **Lab ID: 10323991001** Collected: 09/24/15 01:00 Received: 09/28/15 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C							
Acenaphthene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	83-32-9	
Acenaphthylene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	208-96-8	
Anthracene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	207-08-9	
Chrysene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	53-70-3	
Fluoranthene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	206-44-0	
Fluorene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	193-39-5	
Naphthalene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	91-20-3	
Phenanthrene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	85-01-8	
Pyrene	ND	ug/L	0.040	1	09/30/15 09:52	10/04/15 02:34	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	72	%.	52-125	1	09/30/15 09:52	10/04/15 02:34	321-60-8	
p-Terphenyl-d14 (S)	84	%.	62-125	1	09/30/15 09:52	10/04/15 02:34	1718-51-0	

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ANALYTICAL RESULTS

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Sample: 1161 HASHELL LAKE (ROAD) **Lab ID: 10323991002** Collected: 09/24/15 01:40 Received: 09/28/15 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM		Preparation Method: EPA 3510C					
Acenaphthene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	83-32-9	
Acenaphthylene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	208-96-8	
Anthracene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	207-08-9	
Chrysene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	53-70-3	
Fluoranthene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	206-44-0	
Fluorene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	193-39-5	
Naphthalene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	91-20-3	
Phenanthrene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	85-01-8	
Pyrene	ND	ug/L	0.042	1	09/30/15 09:52	10/04/15 02:55	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	75	%.	52-125	1	09/30/15 09:52	10/04/15 02:55	321-60-8	
p-Terphenyl-d14 (S)	87	%.	62-125	1	09/30/15 09:52	10/04/15 02:55	1718-51-0	

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ANALYTICAL RESULTS

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Sample: 1167 HLR **Lab ID: 10323991003** Collected: 09/24/15 02:40 Received: 09/28/15 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C							
Acenaphthene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	83-32-9	
Acenaphthylene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	208-96-8	
Anthracene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	207-08-9	
Chrysene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	53-70-3	
Fluoranthene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	206-44-0	
Fluorene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	193-39-5	
Naphthalene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	91-20-3	
Phenanthrene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	85-01-8	
Pyrene	ND	ug/L	0.044	1	09/30/15 09:52	10/05/15 12:41	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	85	%.	52-125	1	09/30/15 09:52	10/05/15 12:41	321-60-8	
p-Terphenyl-d14 (S)	89	%.	62-125	1	09/30/15 09:52	10/05/15 12:41	1718-51-0	

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ANALYTICAL RESULTS

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Sample: DUP-1 1167 HLR **Lab ID: 10323991004** Collected: 09/24/15 02:40 Received: 09/28/15 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM		Preparation Method: EPA 3510C					
Acenaphthene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	83-32-9	
Acenaphthylene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	208-96-8	
Anthracene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	207-08-9	
Chrysene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	53-70-3	
Fluoranthene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	206-44-0	
Fluorene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	193-39-5	
Naphthalene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	91-20-3	
Phenanthrene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	85-01-8	
Pyrene	ND	ug/L	0.045	1	09/30/15 09:52	10/05/15 13:03	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	75	%.	52-125	1	09/30/15 09:52	10/05/15 13:03	321-60-8	
p-Terphenyl-d14 (S)	86	%.	62-125	1	09/30/15 09:52	10/05/15 13:03	1718-51-0	

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ANALYTICAL RESULTS

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Sample: HASHELL LAKE LODGE **Lab ID: 10323991005** Collected: 09/24/15 03:15 Received: 09/28/15 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C							
Acenaphthene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	83-32-9	
Acenaphthylene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	208-96-8	
Anthracene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	207-08-9	
Chrysene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	53-70-3	
Fluoranthene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	206-44-0	
Fluorene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	193-39-5	
Naphthalene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	91-20-3	
Phenanthrene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	85-01-8	
Pyrene	ND	ug/L	0.043	1	09/30/15 09:52	10/05/15 13:25	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	73	%.	52-125	1	09/30/15 09:52	10/05/15 13:25	321-60-8	
p-Terphenyl-d14 (S)	82	%.	62-125	1	09/30/15 09:52	10/05/15 13:25	1718-51-0	

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ANALYTICAL RESULTS

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Sample: TRIBALL OFFICE **Lab ID: 10323991006** Collected: 09/24/15 03:40 Received: 09/28/15 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270D MSSV PAH by SIM	Analytical Method: EPA 8270D by SIM Preparation Method: EPA 3510C							
Acenaphthene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	83-32-9	
Acenaphthylene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	208-96-8	
Anthracene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	207-08-9	
Chrysene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	53-70-3	
Fluoranthene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	206-44-0	
Fluorene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	193-39-5	
Naphthalene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	91-20-3	
Phenanthrene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	85-01-8	
Pyrene	ND	ug/L	0.041	1	09/30/15 09:52	10/05/15 13:46	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	80	%.	52-125	1	09/30/15 09:52	10/05/15 13:46	321-60-8	
p-Terphenyl-d14 (S)	88	%.	62-125	1	09/30/15 09:52	10/05/15 13:46	1718-51-0	

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(612)607-1700

QUALITY CONTROL DATA

Project: Tower Standard Lust Site
Pace Project No.: 10323991

QC Batch: OEXT/30991 Analysis Method: EPA 8270D by SIM
QC Batch Method: EPA 3510C Analysis Description: 8270D PAH by SIM MSSV
Associated Lab Samples: 10323991001, 10323991002, 10323991003, 10323991004, 10323991005, 10323991006

METHOD BLANK: 2094615 Matrix: Water
Associated Lab Samples: 10323991001, 10323991002, 10323991003, 10323991004, 10323991005, 10323991006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.040	10/03/15 20:30	
Acenaphthylene	ug/L	ND	0.040	10/03/15 20:30	
Anthracene	ug/L	ND	0.040	10/03/15 20:30	
Benzo(a)anthracene	ug/L	ND	0.040	10/03/15 20:30	
Benzo(a)pyrene	ug/L	ND	0.040	10/03/15 20:30	
Benzo(b)fluoranthene	ug/L	ND	0.040	10/03/15 20:30	
Benzo(g,h,i)perylene	ug/L	ND	0.040	10/03/15 20:30	
Benzo(k)fluoranthene	ug/L	ND	0.040	10/03/15 20:30	
Chrysene	ug/L	ND	0.040	10/03/15 20:30	
Dibenz(a,h)anthracene	ug/L	ND	0.040	10/03/15 20:30	
Fluoranthene	ug/L	ND	0.040	10/03/15 20:30	
Fluorene	ug/L	ND	0.040	10/03/15 20:30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.040	10/03/15 20:30	
Naphthalene	ug/L	ND	0.040	10/03/15 20:30	
Phenanthrene	ug/L	ND	0.040	10/03/15 20:30	
Pyrene	ug/L	ND	0.040	10/03/15 20:30	
2-Fluorobiphenyl (S)	%.	74	52-125	10/03/15 20:30	
p-Terphenyl-d14 (S)	%.	85	62-125	10/03/15 20:30	

LABORATORY CONTROL SAMPLE: 2094616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	1	0.77	77	44-125	
Acenaphthylene	ug/L	1	0.86	86	44-125	
Anthracene	ug/L	1	0.99	99	55-125	
Benzo(a)anthracene	ug/L	1	0.95	95	56-125	
Benzo(a)pyrene	ug/L	1	1.0	103	61-125	
Benzo(b)fluoranthene	ug/L	1	0.95	95	60-125	
Benzo(g,h,i)perylene	ug/L	1	0.94	94	53-125	
Benzo(k)fluoranthene	ug/L	1	1.0	103	59-125	
Chrysene	ug/L	1	0.86	86	61-125	
Dibenz(a,h)anthracene	ug/L	1	0.95	95	51-125	
Fluoranthene	ug/L	1	0.98	98	64-125	
Fluorene	ug/L	1	0.85	85	52-125	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.98	98	54-125	
Naphthalene	ug/L	1	0.74	74	35-125	
Phenanthrene	ug/L	1	0.78	78	55-125	
Pyrene	ug/L	1	0.94	94	59-125	
2-Fluorobiphenyl (S)	%.			77	52-125	
p-Terphenyl-d14 (S)	%.			91	62-125	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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EPA-R5-2017-010506_0002161

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Tower Standard Lust Site
Pace Project No.: 10323991

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2094617 2094618

Parameter	Units	10323923001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	<0.0033	1.1	1.1	0.73	0.75	69	66	44-125	2	30	
Acenaphthylene	ug/L	<0.0040	1.1	1.1	0.84	0.88	79	77	52-125	4	30	
Anthracene	ug/L	<0.0045	1.1	1.1	1.0	1.0	94	88	56-125	0	30	
Benzo(a)anthracene	ug/L	0.0050J	1.1	1.1	1.0	0.96	94	84	51-125	4	30	
Benzo(a)pyrene	ug/L	<0.0030	1.1	1.1	1.1	1.0	106	92	64-125	8	30	
Benzo(b)fluoranthene	ug/L	<0.0077	1.1	1.1	1.1	1.0	104	89	61-125	9	30	
Benzo(g,h,i)perylene	ug/L	<0.0054	1.1	1.1	0.96	0.93	90	81	53-125	4	30	
Benzo(k)fluoranthene	ug/L	<0.0038	1.1	1.1	1.0	0.93	96	82	59-125	9	30	
Chrysene	ug/L	<0.0053	1.1	1.1	0.93	0.87	87	77	56-125	6	30	
Dibenz(a,h)anthracene	ug/L	<0.0097	1.1	1.1	0.91	0.93	86	82	42-125	2	30	
Fluoranthene	ug/L	<0.0057	1.1	1.1	1.0	1.0	95	90	54-125	1	30	
Fluorene	ug/L	<0.0057	1.1	1.1	0.82	0.84	76	73	45-125	3	30	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0056	1.1	1.1	1.0	0.93	94	82	44-125	7	30	
Naphthalene	ug/L	<0.0092	1.1	1.1	0.76	0.80	71	70	51-125	5	30	
Phenanthrene	ug/L	<0.013	1.1	1.1	0.77	0.79	72	69	61-125	2	30	
Pyrene	ug/L	<0.0065	1.1	1.1	0.94	0.93	88	81	63-125	1	30	
2-Fluorobiphenyl (S)	%.						68	66	52-125			
p-Terphenyl-d14 (S)	%.						84	77	62-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2094619 2094620

Parameter	Units	10323991002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	1	1.1	0.72	0.86	69	81	44-125	19	30	
Acenaphthylene	ug/L	ND	1	1.1	0.78	0.93	75	88	52-125	19	30	
Anthracene	ug/L	ND	1	1.1	0.92	1.0	89	96	56-125	11	30	
Benzo(a)anthracene	ug/L	ND	1	1.1	0.88	0.99	85	93	51-125	11	30	
Benzo(a)pyrene	ug/L	ND	1	1.1	0.97	1.1	94	101	64-125	11	30	
Benzo(b)fluoranthene	ug/L	ND	1	1.1	0.93	1.0	90	98	61-125	12	30	
Benzo(g,h,i)perylene	ug/L	ND	1	1.1	0.92	1.0	89	94	53-125	8	30	
Benzo(k)fluoranthene	ug/L	ND	1	1.1	0.92	1.0	89	95	59-125	10	30	
Chrysene	ug/L	ND	1	1.1	0.82	0.91	80	85	56-125	10	30	
Dibenz(a,h)anthracene	ug/L	ND	1	1.1	0.88	0.97	85	91	42-125	9	30	
Fluoranthene	ug/L	ND	1	1.1	0.92	0.99	89	93	54-125	7	30	
Fluorene	ug/L	ND	1	1.1	0.79	0.92	77	86	45-125	14	30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1	1.1	0.92	1.0	89	98	44-125	13	30	
Naphthalene	ug/L	ND	1	1.1	0.68	0.84	66	79	51-125	21	30	
Phenanthrene	ug/L	ND	1	1.1	0.75	0.83	72	78	61-125	11	30	
Pyrene	ug/L	ND	1	1.1	0.90	0.99	87	93	63-125	9	30	
2-Fluorobiphenyl (S)	%.						70	82	52-125			
p-Terphenyl-d14 (S)	%.						82	87	62-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Tower Standard Lust Site
Pace Project No.: 10323991

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

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.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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.

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tower Standard Lust Site
Pace Project No.: 10323991

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10323991001	**1175 HASHELL LAKE**	EPA 3510C	OEXT/30991	EPA 8270D by SIM	MSSV/13181
10323991002	**1161 HASHELL LAKE (ROAD)**	EPA 3510C	OEXT/30991	EPA 8270D by SIM	MSSV/13181
10323991003	**1167 HLR**	EPA 3510C	OEXT/30991	EPA 8270D by SIM	MSSV/13181
10323991004	**DUP-1 1167 HLR**	EPA 3510C	OEXT/30991	EPA 8270D by SIM	MSSV/13181
10323991005	**HASHELL LAKE LODGE**	EPA 3510C	OEXT/30991	EPA 8270D by SIM	MSSV/13181
10323991006	**TRIBALL OFFICE**	EPA 3510C	OEXT/30991	EPA 8270D by SIM	MSSV/13181

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CHAIN-OF-CUSTODY / Analytical Request Document

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

10323991

Page: of

1715044

Section A Required Client Information:

Company: Bristol Enviromental Sv.
Address: 111 W 16th Ave. 3rd Floor
Anchorage, AK 99501
Email To: Julie Sharp-Dahl
Phone: 907-743-9374 Fax:
Requested Due Date/TAT: 10 Business Days

Section B Required Project Information:

Report To: Julie Sharp-Dahl
Copy To: LeSa Nelson
Purchase Order No.:
Project Name: Tower Standard LUST Site
Project Number: BERS# 34160024 ; EPA 2012

Section C Invoice Information:

Attention: Julie Sharp-Dahl
Company Name: Bristol Environmental Remedia
Address: See Client Info
Pace Quote Reference: 00019643
Pace Project Manager: Tim Sandager
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: WI

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: PAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	1175 Haskell Lake Landing	WT	G			9/24	1:00	15	1	X								X		001
2	1161 (Haskell Lake Road)	↓	↓			9/24	1:40	11	1	X								X		002
3	(HLR)																			
4	1161 HLR MSDS					9/24	1:40	11	2	X								X		
5	1167 HLR					9/24	2:40	14	1	X								X		003
6	DUP-1 (1167 HLR)					9/24	2:40	11	1	X								X		004
7	Haskell Lake Lodge					9/24	3:15	12	1	X								X		005
8	Tribal office					9/24	3:40	11	1	X								X		006
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Luke Speckeler CWE	9/25	10:00	Gary Fuller Pace	9/25/15	10:15	12.5	Y	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lucas Speckeler

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 09/25/15

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

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

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

EPA-R5-2017-010506_0002161

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: **F-MN-L-213-rev.13**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: CWE / Bristol

Project #: WO#: 10323991

10323991

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

Tracking Number: _____

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No **Seals Intact?** ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other: _____ **Temp Blank?** ☒ Yes ☐ No

Thermometer Used: ☐ B88A9130516413 ☒ B88A912167504 ☐ B88A0143310098 **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 12.5 **Cooler Temp Corrected (°C):** 12.5 **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Correction Factor:** 0.0 **Date and Initials of Person Examining Contents:** CT 9/28/15

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used? CT 9/28/15	~~☒ Yes~~	☒ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☒ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☒ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes	☐ No	☒ N/A	Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot # (if purchased): _____				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: [signature] **Date:** 9/29/15

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