



Wisconsin Public Service Corporation

700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001

www.wisconsinpublicservice.com



September 10, 2019

Mr. Scott Isaacs
Municipal Service Building
2026 New Jersey Avenue
Sheboygan, WI 53081

**RE: Recent Sampling Results Sheboygan Campmarina Former Manufactured Gas Plant
732 North Water Street, Sheboygan, Wisconsin, 53081 WDNR BRRTS# 02-60-000095**

FID#: 460134950

Dear Mr. Isaacs:

WEC Business Support, LLC (WBS), managing the Wisconsin Public Service Corporation (WPSC) former manufactured gas plant site at 732 North Water Street is providing sample results of groundwater samples collected from locations MW701R, MW706, MW707R, MW708, MW709R, PZ701, PZ702, and PZ703 in June 2019 as part of routine, semi-annual monitoring. Wisconsin Administrative Code Chapter NR716.14 requires responsible parties (WPSC for the above-mentioned site) to report sampling results to the property owner, and occupant, as applicable.

Results of the sampling are summarized in the attached. This includes a summary table of the results compared to State guidance values. Copies of the associated laboratory reports and figures showing the locations of samples collected on your property are also included. The results are presented to the USEPA in monthly progress reports.

We appreciate your cooperation as sampling progresses. If you need additional information, please contact John Feeney from the WDNR at 920-893-8523 or myself at 920-433-2643.

Sincerely,

Brian F. Bartoszek, PE
Director Land Quality – Environmental

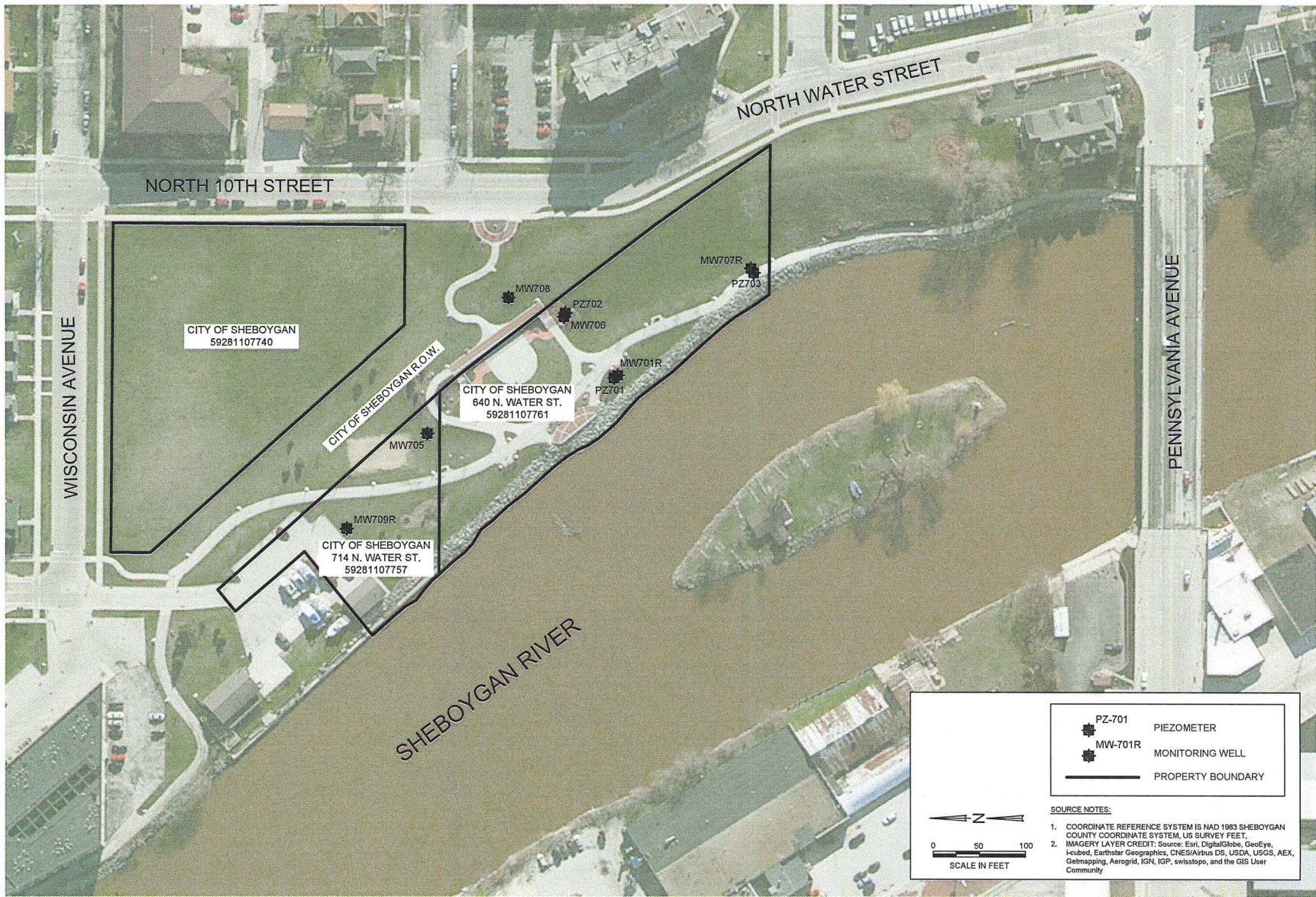
Enc: Figure 1. City of Sheboygan
Table 1. June 2019 Groundwater Analytical Results for the City of Sheboygan
Table 2. Sample Key for City of Sheboygan
Laboratory Report 40189713

CC: WDNR PM – Mr. John Feeney

RECEIVED
SEP 11
By 2019

FIGURES

Feb 14, 2018 8:05am PLOTTED BY: CornealG. SAVED BY: CornealG
 T:\Projects\Projects\13\131516-01\Figure 1_City of Sheboygan.dwg Layer1
 T:\Projects\Projects\13\131516-01\Figure 1_City of Sheboygan.dwg Layer1
 XREFS



	PZ-701	PIEZOMETER
	MW-701R	MONITORING WELL
		PROPERTY BOUNDARY

SOURCE NOTES:

- COORDINATE REFERENCE SYSTEM IS NAD 1983 SHEBOYGAN COUNTY COORDINATE SYSTEM, US SURVEY FEET.
- IMAGERY LAYER CREDIT: Sources: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

SCALE IN FEET

CITY OF SHEBOYGAN RECENT SAMPLING RESULTS FORMER CAMPMARINA MANUFACTURED GAS PLANT WISCONSIN PUBLIC SERVICE CORPORATION SHEBOYGAN, WISCONSIN BRRTS# 02-60-000095	DRAWN BY: DMD DATE: 04/08/16 CHECKED BY: ANS DATE: 05/18/16 APPROVED BY: KRM DATE: 05/18/16 DRAWING NO: Fig 1_City of Stevens Point REFERENCE:
	OBG
	PROJECT NO. 67971
	FIGURE NO. 1

TABLES

Table 1. June 2019 Groundwater Analytical Results for the City of Sheboygan

June 2019 Sample Results Notification

Wisconsin Public Service Corp., Former Manufactured Gas Plant Site - Campmarina

732 Water Street, Sheboygan, Wisconsin

BRRTS#: 0260000095 FID#: 460134950 USEPA#: WIN000510058

9-digit Code	Sample Location	Sample Date	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	
			Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(b,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
WI Groundwater PAL:			NS	NS	<u>600</u>	NS	<u>0.02</u>	<u>0.02</u>	NS	NS	<u>0.02</u>	NS	<u>80</u>	<u>80</u>	NS	NS	NS	<u>10</u>	NS	<u>50</u>
WI Groundwater ES:			NS	NS	3,000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	NS	NS	100	NS	250
061719005	MW-701R	06/17/2019	101	<0.49 U	14.0	<0.74 U	<1.0* U	<0.56* U	<0.66 U	<0.74 U	<1.3* U	<0.98 U	2.3 J	21.2	<1.7 U	158	96.9	<u>994</u>	33.7	3.2 J
061719006	MW-701R Dup	06/17/2019	85.4	<0.52 U	11.7	<0.79 U	<1.1* U	<0.60* U	<0.71 U	<0.79 U	<1.4* U	<1.1 U	2.1 J	18.5	<1.9 U	127	84.7	<u>886</u>	30.0	2.7 J
061719009	MW-706	06/17/2019	6.9	71.7	5.8 J	<1.5 U	<2.1* U	<1.1* U	<1.3 U	<1.5 U	<2.6* U	<2.0 U	2.1 J	17.9	<3.5 U	168	107	<u>1,680</u>	20.7	2.9 J
061719003	MW-707R	06/17/2019	30.9	0.90	2.5	<0.24 U	<0.33* U	<0.18* U	<0.22 U	<0.24 U	<0.41* U	<0.32 U	0.48 J	12.1	<0.56 U	107	6.3	<u>398</u>	7.9	0.61 J
061719002	MW-708	06/17/2019	<0.0064 U	<0.0052 U	<0.011 U	<0.0079 U	<0.011 U	<0.0060 U	<0.0071 U	<0.0079 U	<0.014 U	<0.011 U	<0.011 U	<0.0084 U	<0.019 U	<0.0062 U	<0.0052 U	<0.019 U	<0.015 U	<0.0081 U
061719001	MW-709R	06/17/2019	<0.0060 U	<0.0049 U	<0.010 U	<0.0074 U	<0.010 U	<0.0056 U	<0.0066 U	<0.0074 U	<0.013 U	<0.0098 U	<0.010 U	<0.0078 U	<0.017 U	<0.0058 U	<0.0048 U	<0.018 U	<0.014 U	<0.0075 U
061719007	PZ-701	06/17/2019	<0.0060 U	<0.0049 U	<0.010 U	<0.0075 U	<0.010 U	<0.0057 U	<0.0067 U	<0.0075 U	<0.013 U	<0.0099 U	0.011 J	<0.0079 U	<0.017 U	0.0092 J	<0.0049 U	0.045 J	0.018 J	0.011 J
061719008	PZ-702	06/17/2019	<0.0060 U	<0.0049 U	<0.010 U	<0.0075 U	<0.010 U	<0.0057 U	<0.0067 U	<0.0075 U	<0.013 U	<0.0099 U	<0.011 U	<0.0079 U	<0.017 U	0.014 J	<0.0049 U	0.049 J	<0.014 U	<0.0076 U
061719004	PZ-703	06/17/2019	0.44	0.014 J	0.018 J	<0.0078 U	<0.011 U	<0.0059 U	<0.0070 U	<0.0078 U	<0.013 U	<0.010 U	<0.011 U	0.10	<0.018 U	0.070	0.012 J	0.040 J	0.053 J	0.010 J

Notes:

Underline = concentration that attains or exceeds WI Groundwater PAL

BOLD = concentration that attains or exceeds WI Groundwater ES

* = Level of Detection (LOD) meets or exceeds the PAL and/or the ES Groundwater Criteria

< = Concentration is less than reported limit

µg/L = micrograms per liter

BTEX = benzene, toluene, ethylbenzene and xylenes

Dup = Quality control field duplicate sample

ES = Enforcement Standard

J = Estimated concentration

NS = no standard

PAH = Polycyclic Aromatic Hydrocarbons

PAL = Preventive Action Limit

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2017.

U = Not detected

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Table 1. June 2019 Groundwater Analytical Results for the City of Sheboygan

June 2019 Sample Results Notification

Wisconsin Public Service Corp., Former Manufactured Gas Plant Site - Campmarina

732 Water Street, Sheboygan, Wisconsin

BRRTS#: 0260000095 FID#: 460134950 USEPA#: WIN000510058

9-digit Code	Sample Location	Sample Date	BTEX	BTEX	BTEX	BTEX	Inorganic	Inorganic	Organic
			Benzene	Ethylbenzene	Toluene	Xylenes, Total	Nitrogen, NO ₂ + NO ₃ , Total	Sulfate, Total	Methane
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WI Groundwater PAL:			<u>0.5</u>	<u>140</u>	<u>160</u>	<u>400</u>	<u>2,000</u>	<u>125,000</u>	<u>NS</u>
WI Groundwater ES:			5	700	800	2,000	10,000	250,000	NS
061719005	MW-701R	06/17/2019	<u>2,950</u>	<u>268</u>	13.0 J	145	<95 U	<5,000 U	12,300
061719006	MW-701R Dup	06/17/2019	<u>3,130</u>	<u>278</u>	11.6 J	152	<95 U	<5,000 U	11,700
061719009	MW-706	06/17/2019	<u>2,670</u>	<u>480</u>	<u>1,640</u>	<u>648</u>	<95 U	89,300	5.8
061719003	MW-707R	06/17/2019	<u>2,630</u>	<u>2,570</u>	30.2 J	<u>636</u>	<95 U	47,700	6,730
061719002	MW-708	06/17/2019	<0.25 U	<0.22 U	<0.17 U	<1.5 U	110 J	50,400	<1.4 U
061719001	MW-709R	06/17/2019	<0.25 U	<0.22 U	0.81 J	3.6	<95 U	5,500	3,540
061719007	PZ-701	06/17/2019	<0.25 U	<0.22 U	<0.17 U	<1.5 U	390	112,000	5.6
061719008	PZ-702	06/17/2019	<0.25 U	<0.22 U	<0.17 U	<1.5 U	<95 U	1,500 J	<1.4 U
061719004	PZ-703	06/17/2019	<u>363</u>	<u>209</u>	10.6 J	94.0	<95 U	<1,000 U	1,560

[O:CMD 7/23/19,C:MGP 7/25/19, QC:EGP 8/06/19]

Notes:

Underline = concentration that attains or exceeds WI Groundwater PAL

BOLD = concentration that attains or exceeds WI Groundwater ES

* = Level of Detection (LOD) meets or exceeds the PAL and/or the ES Groundwater Criteria

< = Concentration is less than reported limit

µg/L = micrograms per liter

BTEX = benzene, toluene, ethylbenzene and xylenes

Dup = Quality control field duplicate sample

ES = Enforcement Standard

J = Estimated concentration

NS = no standard

PAH = Polycyclic Aromatic Hydrocarbons

PAL = Preventive Action Limit

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2017.

U = Not detected

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Table 2. Sample Key for City of Sheboygan

June 2019 Sample Results Notification

Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site

732 Water Street, Sheboygan, Wisconsin

BRRTS#: 0260000095 FID#: 460134950 USEPA#: WIN000510058

PACE Lab Report	9-digit code	Location ID Name	Duplicate of	Matrix	Sample Date
40189713	061719001	MW-709R	--	Groundwater	6/17/2019
40189713	061719002	MW-708	--	Groundwater	6/17/2019
40189713	061719003	MW-707R	--	Groundwater	6/17/2019
40189713	061719004	PZ-703	--	Groundwater	6/17/2019
40189713	061719005	MW-701R	--	Groundwater	6/17/2019
40189713	061719006	MW-701R Dup	MW-701R	Groundwater	6/17/2019
40189713	061719007	PZ-701	--	Groundwater	6/17/2019
40189713	061719008	PZ-702	--	Groundwater	6/17/2019
40189713	061719009	MW-706	--	Groundwater	6/17/2019

[O:CMD 7/23/19,C:MGP 7/25/19, QC:EGP 8/06/19]

Notes:

Sorted by: Matrix, Lab Report #, 9-digit code

Dup = Quality Assurance / Quality Control Field Duplicate Sample

-- = not applicable

LABORATORY DATA REPORTS



Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

July 02, 2019

Andrew Cawrse
OBG
234 W Florida St
Milwaukee, WI 53204

RE: Project: 67971 CAMP MARINA
Pace Project No.: 40189713

Dear Andrew Cawrse:

Enclosed are the analytical results for sample(s) received by the laboratory on June 19, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: NRT Data, OBG



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 67971 CAMP MARINA

Pace Project No.: 40189713

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SAMPLE SUMMARY

Project: 67971 CAMP MARINA
Pace Project No.: 40189713

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189713001	061719001	Water	06/17/19 08:46	06/19/19 09:35
40189713002	061719002	Water	06/17/19 09:38	06/19/19 09:35
40189713003	061719003	Water	06/17/19 11:05	06/19/19 09:35
40189713004	061719004	Water	06/17/19 11:37	06/19/19 09:35
40189713005	061719005	Water	06/17/19 12:38	06/19/19 09:35
40189713006	061719006	Water	06/17/19 12:43	06/19/19 09:35
40189713007	061719007	Water	06/17/19 13:17	06/19/19 09:35
40189713008	061719008	Water	06/17/19 14:03	06/19/19 09:35
40189713009	061719009	Water	06/17/19 14:34	06/19/19 09:35
40189713010	061719010	Water	06/17/19 14:50	06/19/19 09:35
40189713011	061719011	Water	06/17/19 00:00	06/19/19 09:35

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40189713001	061719001	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40189713002	061719002	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40189713003	061719003	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40189713004	061719004	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40189713005	061719005	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40189713006	061719006	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40189713007	061719007	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40189713008	061719008	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40189713009	061719009	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40189713010	061719010	EPA 8260	HNW	7
40189713011	061719011	EPA 8015B Modified	ALD	1
		EPA 8260	HNW	7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

Sample: 061719001 Lab ID: 40189713001 Collected: 06/17/19 08:46 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	3540	ug/L	56.0	27.4	20		06/20/19 11:54	74-82-8	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.0060	ug/L	0.030	0.0060	1	06/20/19 12:13	06/20/19 18:20	83-32-9	
Acenaphthylene	<0.0049	ug/L	0.024	0.0049	1	06/20/19 12:13	06/20/19 18:20	208-96-8	
Anthracene	<0.010	ug/L	0.051	0.010	1	06/20/19 12:13	06/20/19 18:20	120-12-7	
Benzo(a)anthracene	<0.0074	ug/L	0.037	0.0074	1	06/20/19 12:13	06/20/19 18:20	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.052	0.010	1	06/20/19 12:13	06/20/19 18:20	50-32-8	
Benzo(b)fluoranthene	<0.0056	ug/L	0.028	0.0056	1	06/20/19 12:13	06/20/19 18:20	205-99-2	
Benzo(g,h,i)perylene	<0.0066	ug/L	0.033	0.0066	1	06/20/19 12:13	06/20/19 18:20	191-24-2	
Benzo(k)fluoranthene	<0.0074	ug/L	0.037	0.0074	1	06/20/19 12:13	06/20/19 18:20	207-08-9	
Chrysene	<0.013	ug/L	0.064	0.013	1	06/20/19 12:13	06/20/19 18:20	218-01-9	L1
Dibenz(a,h)anthracene	<0.0098	ug/L	0.049	0.0098	1	06/20/19 12:13	06/20/19 18:20	53-70-3	
Fluoranthene	<0.010	ug/L	0.052	0.010	1	06/20/19 12:13	06/20/19 18:20	206-44-0	
Fluorene	<0.0078	ug/L	0.039	0.0078	1	06/20/19 12:13	06/20/19 18:20	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.086	0.017	1	06/20/19 12:13	06/20/19 18:20	193-39-5	
1-Methylnaphthalene	<0.0058	ug/L	0.029	0.0058	1	06/20/19 12:13	06/20/19 18:20	90-12-0	
2-Methylnaphthalene	<0.0048	ug/L	0.024	0.0048	1	06/20/19 12:13	06/20/19 18:20	91-57-6	
Naphthalene	<0.018	ug/L	0.090	0.018	1	06/20/19 12:13	06/20/19 18:20	91-20-3	
Phenanthrene	<0.014	ug/L	0.068	0.014	1	06/20/19 12:13	06/20/19 18:20	85-01-8	
Pyrene	<0.0075	ug/L	0.038	0.0075	1	06/20/19 12:13	06/20/19 18:20	129-00-0	
Total PAHs	0.032	ug/L			1	06/20/19 12:13	06/20/19 18:20		
Surrogates									
2-Fluorobiphenyl (S)	47	%	30-85		1	06/20/19 12:13	06/20/19 18:20	321-60-8	
Terphenyl-d14 (S)	77	%	10-120		1	06/20/19 12:13	06/20/19 18:20	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		06/21/19 11:07	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		06/21/19 11:07	100-41-4	
Toluene	0.81J	ug/L	5.0	0.17	1		06/21/19 11:07	108-88-3	
Xylene (Total)	3.6	ug/L	3.0	1.5	1		06/21/19 11:07	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1		06/21/19 11:07	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		06/21/19 11:07	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		06/21/19 11:07	460-00-4	
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	5.5	mg/L	3.0	1.0	1		06/26/19 22:21	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		06/26/19 08:08		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

Sample: 061719002 Lab ID: 40189713002 Collected: 06/17/19 09:38 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	<1.4	ug/L	2.8	1.4	1		06/21/19 08:11	74-82-8	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.0064	ug/L	0.032	0.0064	1	06/20/19 12:13	06/20/19 15:57	83-32-9	
Acenaphthylene	<0.0052	ug/L	0.026	0.0052	1	06/20/19 12:13	06/20/19 15:57	208-96-8	
Anthracene	<0.011	ug/L	0.055	0.011	1	06/20/19 12:13	06/20/19 15:57	120-12-7	
Benzo(a)anthracene	<0.0079	ug/L	0.040	0.0079	1	06/20/19 12:13	06/20/19 15:57	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.055	0.011	1	06/20/19 12:13	06/20/19 15:57	50-32-8	
Benzo(b)fluoranthene	<0.0060	ug/L	0.030	0.0060	1	06/20/19 12:13	06/20/19 15:57	205-99-2	
Benzo(g,h,i)perylene	<0.0071	ug/L	0.036	0.0071	1	06/20/19 12:13	06/20/19 15:57	191-24-2	
Benzo(k)fluoranthene	<0.0079	ug/L	0.040	0.0079	1	06/20/19 12:13	06/20/19 15:57	207-08-9	
Chrysene	<0.014	ug/L	0.069	0.014	1	06/20/19 12:13	06/20/19 15:57	218-01-9	L1
Dibenz(a,h)anthracene	<0.011	ug/L	0.053	0.011	1	06/20/19 12:13	06/20/19 15:57	53-70-3	
Fluoranthene	<0.011	ug/L	0.056	0.011	1	06/20/19 12:13	06/20/19 15:57	206-44-0	
Fluorene	<0.0084	ug/L	0.042	0.0084	1	06/20/19 12:13	06/20/19 15:57	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.093	0.019	1	06/20/19 12:13	06/20/19 15:57	193-39-5	
1-Methylnaphthalene	<0.0062	ug/L	0.031	0.0062	1	06/20/19 12:13	06/20/19 15:57	90-12-0	
2-Methylnaphthalene	<0.0052	ug/L	0.026	0.0052	1	06/20/19 12:13	06/20/19 15:57	91-57-6	M1
Naphthalene	<0.019	ug/L	0.096	0.019	1	06/20/19 12:13	06/20/19 15:57	91-20-3	
Phenanthrene	<0.015	ug/L	0.073	0.015	1	06/20/19 12:13	06/20/19 15:57	85-01-8	
Pyrene	<0.0081	ug/L	0.040	0.0081	1	06/20/19 12:13	06/20/19 15:57	129-00-0	
Total PAHs	0.024	ug/L			1	06/20/19 12:13	06/20/19 15:57		
Surrogates									
2-Fluorobiphenyl (S)	52	%	30-85		1	06/20/19 12:13	06/20/19 15:57	321-60-8	
Terphenyl-d14 (S)	71	%	10-120		1	06/20/19 12:13	06/20/19 15:57	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		06/21/19 08:58	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		06/21/19 08:58	100-41-4	
Toluene	<0.17	ug/L	5.0	0.17	1		06/21/19 08:58	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/21/19 08:58	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%	70-130		1		06/21/19 08:58	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		06/21/19 08:58	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		06/21/19 08:58	460-00-4	
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	50.4	mg/L	15.0	5.0	5		06/21/19 17:42	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	0.11J	mg/L	0.25	0.095	1		06/26/19 08:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

Sample: 061719003 Lab ID: 40189713003 Collected: 06/17/19 11:05 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	6730	ug/L	140	68.5	50		06/20/19 12:01	74-82-8	HS
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	30.9	ug/L	0.96	0.19	33	06/20/19 12:13	06/20/19 16:15	83-32-9	
Acenaphthylene	0.90	ug/L	0.79	0.16	33	06/20/19 12:13	06/20/19 16:15	208-96-8	
Anthracene	2.5	ug/L	1.7	0.33	33	06/20/19 12:13	06/20/19 16:15	120-12-7	
Benzo(a)anthracene	<0.24	ug/L	1.2	0.24	33	06/20/19 12:13	06/20/19 16:15	56-55-3	
Benzo(a)pyrene	<0.33	ug/L	1.7	0.33	33	06/20/19 12:13	06/20/19 16:15	50-32-8	
Benzo(b)fluoranthene	<0.18	ug/L	0.91	0.18	33	06/20/19 12:13	06/20/19 16:15	205-99-2	
Benzo(g,h,i)perylene	<0.22	ug/L	1.1	0.22	33	06/20/19 12:13	06/20/19 16:15	191-24-2	
Benzo(k)fluoranthene	<0.24	ug/L	1.2	0.24	33	06/20/19 12:13	06/20/19 16:15	207-08-9	
Chrysene	<0.41	ug/L	2.1	0.41	33	06/20/19 12:13	06/20/19 16:15	218-01-9	L1
Dibenz(a,h)anthracene	<0.32	ug/L	1.6	0.32	33	06/20/19 12:13	06/20/19 16:15	53-70-3	
Fluoranthene	0.48J	ug/L	1.7	0.34	33	06/20/19 12:13	06/20/19 16:15	206-44-0	
Fluorene	12.1	ug/L	1.3	0.25	33	06/20/19 12:13	06/20/19 16:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.56	ug/L	2.8	0.56	33	06/20/19 12:13	06/20/19 16:15	193-39-5	
1-Methylnaphthalene	107	ug/L	0.94	0.19	33	06/20/19 12:13	06/20/19 16:15	90-12-0	
2-Methylnaphthalene	6.3	ug/L	0.78	0.16	33	06/20/19 12:13	06/20/19 16:15	91-57-6	
Naphthalene	398	ug/L	2.9	0.58	33	06/20/19 12:13	06/20/19 16:15	91-20-3	
Phenanthrene	7.9	ug/L	2.2	0.44	33	06/20/19 12:13	06/20/19 16:15	85-01-8	
Pyrene	0.61J	ug/L	1.2	0.24	33	06/20/19 12:13	06/20/19 16:15	129-00-0	
Total PAHs	567	ug/L			33	06/20/19 12:13	06/20/19 16:15		
Surrogates									
2-Fluorobiphenyl (S)	10	%	30-85		33	06/20/19 12:13	06/20/19 16:15	321-60-8	S4
Terphenyl-d14 (S)	69	%	10-120		33	06/20/19 12:13	06/20/19 16:15	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	2630	ug/L	25.0	6.2	25		06/21/19 09:20	71-43-2	
Ethylbenzene	2570	ug/L	25.0	5.5	25		06/21/19 09:20	100-41-4	
Toluene	30.2J	ug/L	125	4.3	25		06/21/19 09:20	108-88-3	
Xylene (Total)	636	ug/L	75.0	37.5	25		06/21/19 09:20	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		25		06/21/19 09:20	1868-53-7	HS
Toluene-d8 (S)	106	%	70-130		25		06/21/19 09:20	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		25		06/21/19 09:20	460-00-4	
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	47.7	mg/L	3.0	1.0	1		06/21/19 19:02	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		06/26/19 08:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA

Pace Project No.: 40189713

Sample: 061719004 Lab ID: 40189713004 Collected: 06/17/19 11:37 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	1560	ug/L	28.0	13.7	10		06/20/19 12:08	74-82-8	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	0.44	ug/L	0.031	0.0063	1	06/20/19 12:13	06/20/19 16:50	83-32-9	
Acenaphthylene	0.014J	ug/L	0.026	0.0051	1	06/20/19 12:13	06/20/19 16:50	208-96-8	
Anthracene	0.018J	ug/L	0.054	0.011	1	06/20/19 12:13	06/20/19 16:50	120-12-7	
Benzo(a)anthracene	<0.0078	ug/L	0.039	0.0078	1	06/20/19 12:13	06/20/19 16:50	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.054	0.011	1	06/20/19 12:13	06/20/19 16:50	50-32-8	
Benzo(b)fluoranthene	<0.0059	ug/L	0.030	0.0059	1	06/20/19 12:13	06/20/19 16:50	205-99-2	
Benzo(g,h,i)perylene	<0.0070	ug/L	0.035	0.0070	1	06/20/19 12:13	06/20/19 16:50	191-24-2	
Benzo(k)fluoranthene	<0.0078	ug/L	0.039	0.0078	1	06/20/19 12:13	06/20/19 16:50	207-08-9	
Chrysene	<0.013	ug/L	0.067	0.013	1	06/20/19 12:13	06/20/19 16:50	218-01-9	L1
Dibenz(a,h)anthracene	<0.010	ug/L	0.052	0.010	1	06/20/19 12:13	06/20/19 16:50	53-70-3	
Fluoranthene	<0.011	ug/L	0.055	0.011	1	06/20/19 12:13	06/20/19 16:50	206-44-0	
Fluorene	0.10	ug/L	0.041	0.0082	1	06/20/19 12:13	06/20/19 16:50	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.091	0.018	1	06/20/19 12:13	06/20/19 16:50	193-39-5	
1-Methylnaphthalene	0.070	ug/L	0.030	0.0061	1	06/20/19 12:13	06/20/19 16:50	90-12-0	
2-Methylnaphthalene	0.012J	ug/L	0.025	0.0051	1	06/20/19 12:13	06/20/19 16:50	91-57-6	
Naphthalene	0.040J	ug/L	0.094	0.019	1	06/20/19 12:13	06/20/19 16:50	91-20-3	
Phenanthrene	0.053J	ug/L	0.071	0.014	1	06/20/19 12:13	06/20/19 16:50	85-01-8	
Pyrene	0.010J	ug/L	0.039	0.0079	1	06/20/19 12:13	06/20/19 16:50	129-00-0	
Total PAHs	0.76	ug/L			1	06/20/19 12:13	06/20/19 16:50		
Surrogates									
2-Fluorobiphenyl (S)	64	%	30-85		1	06/20/19 12:13	06/20/19 16:50	321-60-8	
Terphenyl-d14 (S)	85	%	10-120		1	06/20/19 12:13	06/20/19 16:50	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	363	ug/L	5.0	1.2	5		06/21/19 09:41	71-43-2	
Ethylbenzene	209	ug/L	5.0	1.1	5		06/21/19 09:41	100-41-4	
Toluene	10.6J	ug/L	25.0	0.86	5		06/21/19 09:41	108-88-3	
Xylene (Total)	94.0	ug/L	15.0	7.5	5		06/21/19 09:41	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		5		06/21/19 09:41	1868-53-7	
Toluene-d8 (S)	105	%	70-130		5		06/21/19 09:41	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		5		06/21/19 09:41	460-00-4	
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	<1.0	mg/L	3.0	1.0	1		06/21/19 19:15	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		06/26/19 08:11		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA

Pace Project No.: 40189713

Sample: 061719005 Lab ID: 40189713005 Collected: 06/17/19 12:38 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	12300	ug/L	140	68.5	50		06/20/19 12:15	74-82-8	HS
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	101	ug/L	3.0	0.60	100	06/20/19 12:13	06/20/19 17:08	83-32-9	
Acenaphthylene	<0.49	ug/L	2.4	0.49	100	06/20/19 12:13	06/20/19 17:08	208-96-8	
Anthracene	14.0	ug/L	5.1	1.0	100	06/20/19 12:13	06/20/19 17:08	120-12-7	
Benzo(a)anthracene	<0.74	ug/L	3.7	0.74	100	06/20/19 12:13	06/20/19 17:08	56-55-3	
Benzo(a)pyrene	<1.0	ug/L	5.2	1.0	100	06/20/19 12:13	06/20/19 17:08	50-32-8	
Benzo(b)fluoranthene	<0.56	ug/L	2.8	0.56	100	06/20/19 12:13	06/20/19 17:08	205-99-2	
Benzo(g,h,i)perylene	<0.66	ug/L	3.3	0.66	100	06/20/19 12:13	06/20/19 17:08	191-24-2	
Benzo(k)fluoranthene	<0.74	ug/L	3.7	0.74	100	06/20/19 12:13	06/20/19 17:08	207-08-9	
Chrysene	<1.3	ug/L	6.4	1.3	100	06/20/19 12:13	06/20/19 17:08	218-01-9	L1
Dibenz(a,h)anthracene	<0.98	ug/L	4.9	0.98	100	06/20/19 12:13	06/20/19 17:08	53-70-3	
Fluoranthene	2.3J	ug/L	5.2	1.0	100	06/20/19 12:13	06/20/19 17:08	206-44-0	
Fluorene	21.2	ug/L	3.9	0.78	100	06/20/19 12:13	06/20/19 17:08	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.7	ug/L	8.6	1.7	100	06/20/19 12:13	06/20/19 17:08	193-39-5	
1-Methylnaphthalene	158	ug/L	2.9	0.58	100	06/20/19 12:13	06/20/19 17:08	90-12-0	
2-Methylnaphthalene	96.9	ug/L	2.4	0.48	100	06/20/19 12:13	06/20/19 17:08	91-57-6	
Naphthalene	994	ug/L	9.0	1.8	100	06/20/19 12:13	06/20/19 17:08	91-20-3	
Phenanthrene	33.7	ug/L	6.8	1.4	100	06/20/19 12:13	06/20/19 17:08	85-01-8	
Pyrene	3.2J	ug/L	3.8	0.75	100	06/20/19 12:13	06/20/19 17:08	129-00-0	
Total PAHs	1420	ug/L			100	06/20/19 12:13	06/20/19 17:08		
Surrogates									
2-Fluorobiphenyl (S)	0	%	30-85		100	06/20/19 12:13	06/20/19 17:08	321-60-8	S4
Terphenyl-d14 (S)	29	%	10-120		100	06/20/19 12:13	06/20/19 17:08	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	2950	ug/L	40.0	9.9	40		06/21/19 10:03	71-43-2	
Ethylbenzene	268	ug/L	40.0	8.7	40		06/21/19 10:03	100-41-4	
Toluene	13.0J	ug/L	200	6.9	40		06/21/19 10:03	108-88-3	
Xylene (Total)	145	ug/L	120	60.0	40		06/21/19 10:03	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		40		06/21/19 10:03	1868-53-7	HS
Toluene-d8 (S)	106	%	70-130		40		06/21/19 10:03	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		40		06/21/19 10:03	460-00-4	
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	<5.0	mg/L	15.0	5.0	5		06/21/19 19:28	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		06/26/19 08:12		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

Sample: 061719006 Lab ID: 40189713006 Collected: 06/17/19 12:43 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	11700	ug/L	140	68.5	50		06/20/19 12:22	74-82-8	HS
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	85.4	ug/L	3.2	0.64	100	06/20/19 12:13	06/20/19 16:33	83-32-9	
Acenaphthylene	<0.52	ug/L	2.6	0.52	100	06/20/19 12:13	06/20/19 16:33	208-96-8	
Anthracene	11.7	ug/L	5.5	1.1	100	06/20/19 12:13	06/20/19 16:33	120-12-7	
Benzo(a)anthracene	<0.79	ug/L	4.0	0.79	100	06/20/19 12:13	06/20/19 16:33	56-55-3	
Benzo(a)pyrene	<1.1	ug/L	5.5	1.1	100	06/20/19 12:13	06/20/19 16:33	50-32-8	
Benzo(b)fluoranthene	<0.60	ug/L	3.0	0.60	100	06/20/19 12:13	06/20/19 16:33	205-99-2	
Benzo(g,h,i)perylene	<0.71	ug/L	3.6	0.71	100	06/20/19 12:13	06/20/19 16:33	191-24-2	
Benzo(k)fluoranthene	<0.79	ug/L	4.0	0.79	100	06/20/19 12:13	06/20/19 16:33	207-08-9	
Chrysene	<1.4	ug/L	6.9	1.4	100	06/20/19 12:13	06/20/19 16:33	218-01-9	L1
Dibenz(a,h)anthracene	<1.1	ug/L	5.3	1.1	100	06/20/19 12:13	06/20/19 16:33	53-70-3	
Fluoranthene	2.1J	ug/L	5.6	1.1	100	06/20/19 12:13	06/20/19 16:33	206-44-0	
Fluorene	18.5	ug/L	4.2	0.84	100	06/20/19 12:13	06/20/19 16:33	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.9	ug/L	9.3	1.9	100	06/20/19 12:13	06/20/19 16:33	193-39-5	
1-Methylnaphthalene	127	ug/L	3.1	0.62	100	06/20/19 12:13	06/20/19 16:33	90-12-0	
2-Methylnaphthalene	84.7	ug/L	2.6	0.52	100	06/20/19 12:13	06/20/19 16:33	91-57-6	
Naphthalene	886	ug/L	9.6	1.9	100	06/20/19 12:13	06/20/19 16:33	91-20-3	
Phenanthrene	30.0	ug/L	7.3	1.5	100	06/20/19 12:13	06/20/19 16:33	85-01-8	
Pyrene	2.7J	ug/L	4.0	0.81	100	06/20/19 12:13	06/20/19 16:33	129-00-0	
Total PAHs	1250	ug/L			100	06/20/19 12:13	06/20/19 16:33		
Surrogates									
2-Fluorobiphenyl (S)	0	%	30-85		100	06/20/19 12:13	06/20/19 16:33	321-60-8	S4
Terphenyl-d14 (S)	35	%	10-120		100	06/20/19 12:13	06/20/19 16:33	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	3130	ug/L	40.0	9.9	40		06/21/19 10:24	71-43-2	
Ethylbenzene	278	ug/L	40.0	8.7	40		06/21/19 10:24	100-41-4	
Toluene	11.6J	ug/L	200	6.9	40		06/21/19 10:24	108-88-3	
Xylene (Total)	152	ug/L	120	60.0	40		06/21/19 10:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		40		06/21/19 10:24	1868-53-7	HS
Toluene-d8 (S)	106	%	70-130		40		06/21/19 10:24	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		40		06/21/19 10:24	460-00-4	
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	<5.0	mg/L	15.0	5.0	5		06/21/19 19:41	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		06/26/19 08:13		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

Sample: 061719007 Lab ID: 40189713007 Collected: 06/17/19 13:17 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Methane	5.6	ug/L	2.8	1.4	1		06/20/19 10:54	74-82-8	
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.0060	ug/L	0.030	0.0060	1	06/20/19 12:13	06/20/19 18:38	83-32-9	
Acenaphthylene	<0.0049	ug/L	0.025	0.0049	1	06/20/19 12:13	06/20/19 18:38	208-96-8	
Anthracene	<0.010	ug/L	0.052	0.010	1	06/20/19 12:13	06/20/19 18:38	120-12-7	
Benzo(a)anthracene	<0.0075	ug/L	0.037	0.0075	1	06/20/19 12:13	06/20/19 18:38	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.052	0.010	1	06/20/19 12:13	06/20/19 18:38	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.028	0.0057	1	06/20/19 12:13	06/20/19 18:38	205-99-2	
Benzo(g,h,i)perylene	<0.0067	ug/L	0.034	0.0067	1	06/20/19 12:13	06/20/19 18:38	191-24-2	
Benzo(k)fluoranthene	<0.0075	ug/L	0.037	0.0075	1	06/20/19 12:13	06/20/19 18:38	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	06/20/19 12:13	06/20/19 18:38	218-01-9	L1
Dibenz(a,h)anthracene	<0.0099	ug/L	0.050	0.0099	1	06/20/19 12:13	06/20/19 18:38	53-70-3	
Fluoranthene	0.011J	ug/L	0.053	0.011	1	06/20/19 12:13	06/20/19 18:38	206-44-0	
Fluorene	<0.0079	ug/L	0.039	0.0079	1	06/20/19 12:13	06/20/19 18:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.087	0.017	1	06/20/19 12:13	06/20/19 18:38	193-39-5	
1-Methylnaphthalene	0.0092J	ug/L	0.029	0.0058	1	06/20/19 12:13	06/20/19 18:38	90-12-0	
2-Methylnaphthalene	<0.0049	ug/L	0.024	0.0049	1	06/20/19 12:13	06/20/19 18:38	91-57-6	
Naphthalene	0.045J	ug/L	0.091	0.018	1	06/20/19 12:13	06/20/19 18:38	91-20-3	
Phenanthrene	0.018J	ug/L	0.068	0.014	1	06/20/19 12:13	06/20/19 18:38	85-01-8	
Pyrene	0.011J	ug/L	0.038	0.0076	1	06/20/19 12:13	06/20/19 18:38	129-00-0	
Total PAHs	0.11	ug/L			1	06/20/19 12:13	06/20/19 18:38		
Surrogates									
2-Fluorobiphenyl (S)	59	%	30-85		1	06/20/19 12:13	06/20/19 18:38	321-60-8	
Terphenyl-d14 (S)	82	%	10-120		1	06/20/19 12:13	06/20/19 18:38	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		06/21/19 11:29	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		06/21/19 11:29	100-41-4	
Toluene	<0.17	ug/L	5.0	0.17	1		06/21/19 11:29	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/21/19 11:29	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		1		06/21/19 11:29	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		06/21/19 11:29	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		06/21/19 11:29	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Sulfate	112	mg/L	15.0	5.0	5		06/24/19 12:49	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	0.39	mg/L	0.25	0.095	1		06/26/19 08:15		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

Sample: 061719008 Lab ID: 40189713008 Collected: 06/17/19 14:03 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	<1.4	ug/L	2.8	1.4	1		06/20/19 11:01	74-82-8	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.0060	ug/L	0.030	0.0060	1	06/20/19 12:13	06/20/19 18:01	83-32-9	
Acenaphthylene	<0.0049	ug/L	0.025	0.0049	1	06/20/19 12:13	06/20/19 18:01	208-96-8	
Anthracene	<0.010	ug/L	0.052	0.010	1	06/20/19 12:13	06/20/19 18:01	120-12-7	
Benzo(a)anthracene	<0.0075	ug/L	0.037	0.0075	1	06/20/19 12:13	06/20/19 18:01	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.052	0.010	1	06/20/19 12:13	06/20/19 18:01	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.028	0.0057	1	06/20/19 12:13	06/20/19 18:01	205-99-2	
Benzo(g,h,i)perylene	<0.0067	ug/L	0.034	0.0067	1	06/20/19 12:13	06/20/19 18:01	191-24-2	
Benzo(k)fluoranthene	<0.0075	ug/L	0.037	0.0075	1	06/20/19 12:13	06/20/19 18:01	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	06/20/19 12:13	06/20/19 18:01	218-01-9	L1
Dibenz(a,h)anthracene	<0.0099	ug/L	0.050	0.0099	1	06/20/19 12:13	06/20/19 18:01	53-70-3	
Fluoranthene	<0.011	ug/L	0.053	0.011	1	06/20/19 12:13	06/20/19 18:01	206-44-0	
Fluorene	<0.0079	ug/L	0.039	0.0079	1	06/20/19 12:13	06/20/19 18:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.087	0.017	1	06/20/19 12:13	06/20/19 18:01	193-39-5	
1-Methylnaphthalene	0.014J	ug/L	0.029	0.0058	1	06/20/19 12:13	06/20/19 18:01	90-12-0	
2-Methylnaphthalene	<0.0049	ug/L	0.024	0.0049	1	06/20/19 12:13	06/20/19 18:01	91-57-6	
Naphthalene	0.049J	ug/L	0.091	0.018	1	06/20/19 12:13	06/20/19 18:01	91-20-3	
Phenanthrene	<0.014	ug/L	0.068	0.014	1	06/20/19 12:13	06/20/19 18:01	85-01-8	
Pyrene	<0.0076	ug/L	0.038	0.0076	1	06/20/19 12:13	06/20/19 18:01	129-00-0	
Total PAHs	0.074	ug/L			1	06/20/19 12:13	06/20/19 18:01		
Surrogates									
2-Fluorobiphenyl (S)	60	%	30-85		1	06/20/19 12:13	06/20/19 18:01	321-60-8	
Terphenyl-d14 (S)	99	%	10-120		1	06/20/19 12:13	06/20/19 18:01	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		06/21/19 11:50	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		06/21/19 11:50	100-41-4	
Toluene	<0.17	ug/L	5.0	0.17	1		06/21/19 11:50	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/21/19 11:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1		06/21/19 11:50	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		06/21/19 11:50	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		06/21/19 11:50	460-00-4	
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	1.5J	mg/L	3.0	1.0	1		06/21/19 20:08	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		06/26/19 08:16		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA

Pace Project No.: 40189713

Sample: 061719009 Lab ID: 40189713009 Collected: 06/17/19 14:34 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	5.8	ug/L	2.8	1.4	1		06/21/19 08:18	74-82-8	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	6.9	ug/L	5.9	1.2	200	06/20/19 12:13	06/20/19 17:25	83-32-9	
Acenaphthylene	71.7	ug/L	4.9	0.98	200	06/20/19 12:13	06/20/19 17:25	208-96-8	
Anthracene	5.8J	ug/L	10.2	2.0	200	06/20/19 12:13	06/20/19 17:25	120-12-7	
Benzo(a)anthracene	<1.5	ug/L	7.4	1.5	200	06/20/19 12:13	06/20/19 17:25	56-55-3	
Benzo(a)pyrene	<2.1	ug/L	10.3	2.1	200	06/20/19 12:13	06/20/19 17:25	50-32-8	
Benzo(b)fluoranthene	<1.1	ug/L	5.6	1.1	200	06/20/19 12:13	06/20/19 17:25	205-99-2	
Benzo(g,h,i)perylene	<1.3	ug/L	6.6	1.3	200	06/20/19 12:13	06/20/19 17:25	191-24-2	
Benzo(k)fluoranthene	<1.5	ug/L	7.4	1.5	200	06/20/19 12:13	06/20/19 17:25	207-08-9	
Chrysene	<2.6	ug/L	12.8	2.6	200	06/20/19 12:13	06/20/19 17:25	218-01-9	L1
Dibenz(a,h)anthracene	<2.0	ug/L	9.8	2.0	200	06/20/19 12:13	06/20/19 17:25	53-70-3	
Fluoranthene	2.1J	ug/L	10.5	2.1	200	06/20/19 12:13	06/20/19 17:25	206-44-0	
Fluorene	17.9	ug/L	7.8	1.6	200	06/20/19 12:13	06/20/19 17:25	86-73-7	
Indeno(1,2,3-cd)pyrene	<3.5	ug/L	17.3	3.5	200	06/20/19 12:13	06/20/19 17:25	193-39-5	
1-Methylnaphthalene	168	ug/L	5.8	1.2	200	06/20/19 12:13	06/20/19 17:25	90-12-0	
2-Methylnaphthalene	107	ug/L	4.8	0.96	200	06/20/19 12:13	06/20/19 17:25	91-57-6	
Naphthalene	1680	ug/L	18.0	3.6	200	06/20/19 12:13	06/20/19 17:25	91-20-3	
Phenanthrene	20.7	ug/L	13.5	2.7	200	06/20/19 12:13	06/20/19 17:25	85-01-8	
Pyrene	2.9J	ug/L	7.5	1.5	200	06/20/19 12:13	06/20/19 17:25	129-00-0	
Total PAHs	2080	ug/L			200	06/20/19 12:13	06/20/19 17:25		
Surrogates									
2-Fluorobiphenyl (S)	0	%	30-85		200	06/20/19 12:13	06/20/19 17:25	321-60-8	S4
Terphenyl-d14 (S)	2	%	10-120		200	06/20/19 12:13	06/20/19 17:25	1718-51-0	S4
8260 MSV UST Analytical Method: EPA 8260									
Benzene	2670	ug/L	40.0	9.9	40		06/21/19 16:09	71-43-2	
Ethylbenzene	480	ug/L	40.0	8.7	40		06/21/19 16:09	100-41-4	
Toluene	1640	ug/L	200	6.9	40		06/21/19 16:09	108-88-3	
Xylene (Total)	648	ug/L	120	60.0	40		06/21/19 16:09	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		40		06/21/19 16:09	1868-53-7	
Toluene-d8 (S)	106	%	70-130		40		06/21/19 16:09	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		40		06/21/19 16:09	460-00-4	
300.0 IC Anions Analytical Method: EPA 300.0									
Sulfate	89.3	mg/L	15.0	5.0	5		06/24/19 13:02	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		06/26/19 08:17		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: 67971 CAMP MARINA

Pace Project No.: 40189713

Sample: 061719010 Lab ID: 40189713010 Collected: 06/17/19 14:50 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		06/21/19 12:12	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		06/21/19 12:12	100-41-4	
Toluene	<0.17	ug/L	5.0	0.17	1		06/21/19 12:12	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/21/19 12:12	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1		06/21/19 12:12	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		06/21/19 12:12	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		06/21/19 12:12	460-00-4	

Sample: 061719011 Lab ID: 40189713011 Collected: 06/17/19 00:00 Received: 06/19/19 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Methane	<1.4	ug/L	2.8	1.4	1		06/21/19 08:25	74-82-8	
8260 MSV UST		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		06/21/19 15:26	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		06/21/19 15:26	100-41-4	
Toluene	<0.17	ug/L	5.0	0.17	1		06/21/19 15:26	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/21/19 15:26	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		1		06/21/19 15:26	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		06/21/19 15:26	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		06/21/19 15:26	460-00-4	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

QC Batch: 325058 Analysis Method: EPA 8015B Modified
 QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
 Associated Lab Samples: 40189713001, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007, 40189713008

METHOD BLANK: 1887115 Matrix: Water
 Associated Lab Samples: 40189713001, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007, 40189713008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<1.4	2.8	06/20/19 07:54	

LABORATORY CONTROL SAMPLE & LCSD: 1887116 1887117

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	25.8	26.3	90	92	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887118 1887119

Parameter	Units	40189400002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	4810	1140	1140	4510	5410	-26	52	77-122	18	20	M1

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

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

QC Batch: 325198 Analysis Method: EPA 8015B Modified
 QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
 Associated Lab Samples: 40189713002, 40189713009, 40189713011

METHOD BLANK: 1887989 Matrix: Water
 Associated Lab Samples: 40189713002, 40189713009, 40189713011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<1.4	2.8	06/21/19 07:42	

LABORATORY CONTROL SAMPLE & LCSD: 1887990 1887991

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	28.0	27.9	98	98	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887992 1887993

Parameter	Units	40189713002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	<1.4	28.6	28.6	26.0	25.2	91	88	77-122	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887994 1887995

Parameter	Units	40189789005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	<1.4	28.6	28.6	28.9	29.1	101	102	77-122	0	20	

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

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

QC Batch: 325085 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
 Associated Lab Samples: 40189713001, 40189713002, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007,
 40189713008, 40189713009, 40189713010, 40189713011

METHOD BLANK: 1887207 Matrix: Water
 Associated Lab Samples: 40189713001, 40189713002, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007,
 40189713008, 40189713009, 40189713010, 40189713011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.25	1.0	06/21/19 06:49	
Ethylbenzene	ug/L	<0.22	1.0	06/21/19 06:49	
Toluene	ug/L	<0.17	5.0	06/21/19 06:49	
Xylene (Total)	ug/L	<1.5	3.0	06/21/19 06:49	
4-Bromofluorobenzene (S)	%	96	70-130	06/21/19 06:49	
Dibromofluoromethane (S)	%	107	70-130	06/21/19 06:49	
Toluene-d8 (S)	%	106	70-130	06/21/19 06:49	

LABORATORY CONTROL SAMPLE: 1887208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	51.8	104	70-130	
Ethylbenzene	ug/L	50	51.7	103	80-124	
Toluene	ug/L	50	50.5	101	80-126	
Xylene (Total)	ug/L	150	156	104	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			110	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887209 1887210

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40189713002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Benzene	ug/L	<0.25	50	50	52.3	53.6	105	107	70-130	2	20	
Ethylbenzene	ug/L	<0.22	50	50	53.3	54.9	107	110	80-125	3	20	
Toluene	ug/L	<0.17	50	50	52.0	53.2	104	106	80-131	2	20	
Xylene (Total)	ug/L	<1.5	150	150	160	163	107	109	70-130	2	20	
4-Bromofluorobenzene (S)	%						102	101	70-130			
Dibromofluoromethane (S)	%						110	110	70-130			
Toluene-d8 (S)	%						106	105	70-130			

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

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

QC Batch: 325093 Analysis Method: EPA 8270 by HVI
 QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
 Associated Lab Samples: 40189713001, 40189713002, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007, 40189713008, 40189713009

METHOD BLANK: 1887219 Matrix: Water
 Associated Lab Samples: 40189713001, 40189713002, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007, 40189713008, 40189713009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	06/20/19 15:22	
2-Methylnaphthalene	ug/L	<0.0049	0.024	06/20/19 15:22	
Acenaphthene	ug/L	<0.0061	0.030	06/20/19 15:22	
Acenaphthylene	ug/L	<0.0050	0.025	06/20/19 15:22	
Anthracene	ug/L	<0.010	0.052	06/20/19 15:22	
Benzo(a)anthracene	ug/L	<0.0076	0.038	06/20/19 15:22	
Benzo(a)pyrene	ug/L	<0.011	0.053	06/20/19 15:22	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	06/20/19 15:22	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	06/20/19 15:22	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	06/20/19 15:22	
Chrysene	ug/L	<0.013	0.065	06/20/19 15:22	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	06/20/19 15:22	
Fluoranthene	ug/L	<0.011	0.053	06/20/19 15:22	
Fluorene	ug/L	<0.0080	0.040	06/20/19 15:22	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	06/20/19 15:22	
Naphthalene	ug/L	<0.018	0.092	06/20/19 15:22	
Phenanthrene	ug/L	<0.014	0.069	06/20/19 15:22	
Pyrene	ug/L	<0.0076	0.038	06/20/19 15:22	
Total PAHs	ug/L	0.0000000010		06/20/19 15:22	
2-Fluorobiphenyl (S)	%	65	30-85	06/20/19 15:22	
Terphenyl-d14 (S)	%	107	10-120	06/20/19 15:22	

LABORATORY CONTROL SAMPLE: 1887220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.2	61	39-88	
2-Methylnaphthalene	ug/L	2	0.95	47	40-93	
Acenaphthene	ug/L	2	1.3	67	43-102	
Acenaphthylene	ug/L	2	1.2	60	42-103	
Anthracene	ug/L	2	1.9	95	52-105	
Benzo(a)anthracene	ug/L	2	0.95	48	39-120	
Benzo(a)pyrene	ug/L	2	1.7	84	57-117	
Benzo(b)fluoranthene	ug/L	2	1.1	56	54-117	
Benzo(g,h,i)perylene	ug/L	2	0.81	41	32-82	
Benzo(k)fluoranthene	ug/L	2	2.2	111	56-123	
Chrysene	ug/L	2	2.5	124	63-122	L1
Dibenz(a,h)anthracene	ug/L	2	0.76	38	23-76	
Fluoranthene	ug/L	2	1.5	74	52-112	

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

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

LABORATORY CONTROL SAMPLE: 1887220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/L	2	1.5	75	46-116	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.3	67	49-110	
Naphthalene	ug/L	2	1.2	60	37-84	
Phenanthrene	ug/L	2	1.3	64	50-104	
Pyrene	ug/L	2	1.7	85	57-123	
Total PAHs	ug/L		25.1			
2-Fluorobiphenyl (S)	%			70	30-85	
Terphenyl-d14 (S)	%			110	10-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887221 1887222

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40189713002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1-Methylnaphthalene	ug/L	<0.0062	2.1	2	1.2	1.2	57	61	35-90	4	27	
2-Methylnaphthalene	ug/L	<0.0052	2.1	2	0.80	0.91	38	45	40-93	13	26	M1
Acenaphthene	ug/L	<0.0064	2.1	2	1.2	1.3	60	64	30-106	3	30	
Acenaphthylene	ug/L	<0.0052	2.1	2	0.92	0.97	44	48	37-103	6	27	
Anthracene	ug/L	<0.011	2.1	2	1.5	1.3	73	67	27-107	12	34	
Benzo(a)anthracene	ug/L	<0.0079	2.1	2	0.73	0.71	35	35	10-120	4	50	
Benzo(a)pyrene	ug/L	<0.011	2.1	2	0.67	0.68	32	34	10-117	2	50	
Benzo(b)fluoranthene	ug/L	<0.0060	2.1	2	0.45	0.45	22	22	10-121	1	49	
Benzo(g,h,i)perylene	ug/L	<0.0071	2.1	2	0.39	0.39	19	19	10-82	0	50	
Benzo(k)fluoranthene	ug/L	<0.0079	2.1	2	0.91	1.0	43	51	10-123	13	50	
Chrysene	ug/L	<0.014	2.1	2	1.6	1.8	77	91	17-122	14	36	
Dibenz(a,h)anthracene	ug/L	<0.011	2.1	2	0.35	0.37	17	18	10-76	4	50	
Fluoranthene	ug/L	<0.011	2.1	2	1.2	1.3	58	62	27-112	4	42	
Fluorene	ug/L	<0.0084	2.1	2	1.3	1.4	61	68	38-116	8	29	
Indeno(1,2,3-cd)pyrene	ug/L	<0.019	2.1	2	0.40	0.38	19	19	10-110	5	50	
Naphthalene	ug/L	<0.019	2.1	2	1.1	1.2	52	61	35-85	12	28	
Phenanthrene	ug/L	<0.015	2.1	2	1.1	1.2	54	59	31-106	5	42	
Pyrene	ug/L	<0.0081	2.1	2	1.3	1.3	64	65	30-123	1	31	
Total PAHs	ug/L	0.024			17.2	18.0				4		
2-Fluorobiphenyl (S)	%						51	54	30-85			
Terphenyl-d14 (S)	%						65	63	10-120			

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

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

QC Batch: 325017 Analysis Method: EPA 300.0
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
 Associated Lab Samples: 40189713001

METHOD BLANK: 1886701 Matrix: Water
 Associated Lab Samples: 40189713001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	3.0	06/26/19 18:31	

LABORATORY CONTROL SAMPLE: 1886702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.2	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1886703 1886704

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		40189668002	Result	Spike Conc.	Conc.	Result	Result	% Rec	% Rec				
Sulfate	mg/L	86.8	100	100	100	189	191	102	104	90-110	1	15	

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

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

QC Batch: 325132 Analysis Method: EPA 300.0
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
 Associated Lab Samples: 40189713002, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007, 40189713008, 40189713009

METHOD BLANK: 1887393 Matrix: Water
 Associated Lab Samples: 40189713002, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007, 40189713008, 40189713009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	3.0	06/21/19 16:44	

LABORATORY CONTROL SAMPLE: 1887394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887395 1887396

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40189713002 Result	Spike Conc.	Spike Conc.	Conc.								
Sulfate	mg/L	50.4	100	100	148	147	97	97	90-110	0	15		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1887397 1887398

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40189748002 Result	Spike Conc.	Spike Conc.	Conc.								
Sulfate	mg/L	148	400	400	524	520	94	93	90-110	1	15		

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

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

QC Batch: 325671 Analysis Method: EPA 353.2
 QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
 Associated Lab Samples: 40189713001, 40189713002, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007, 40189713008, 40189713009

METHOD BLANK: 1890814 Matrix: Water
 Associated Lab Samples: 40189713001, 40189713002, 40189713003, 40189713004, 40189713005, 40189713006, 40189713007, 40189713008, 40189713009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	06/26/19 07:58	

LABORATORY CONTROL SAMPLE: 1890815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1890816 1890817

Parameter	Units	40189713002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.11J	2.5	2.5	2.5	2.5	96	96	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1890818 1890819

Parameter	Units	40189789001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.5	2.5	98	100	90-110	1	20	

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

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALIFIERS

Project: 67971 CAMP MARINA
Pace Project No.: 40189713

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 LOD.
J - Estimated concentration at or above the LOD and below the LOQ.
LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.
LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.
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 at or above the adjusted LOD.
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.

BATCH QUALIFIERS

Batch: 325177

[IP] Benzo(b)fluoranthene and benzo(k)fluoranthene were in the check standard but did not meet the resolution criteria in SW846 Method 8270C. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S4 Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 67971 CAMP MARINA
 Pace Project No.: 40189713

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189713001	061719001	EPA 8015B Modified	325058		
40189713002	061719002	EPA 8015B Modified	325198		
40189713003	061719003	EPA 8015B Modified	325058		
40189713004	061719004	EPA 8015B Modified	325058		
40189713005	061719005	EPA 8015B Modified	325058		
40189713006	061719006	EPA 8015B Modified	325058		
40189713007	061719007	EPA 8015B Modified	325058		
40189713008	061719008	EPA 8015B Modified	325058		
40189713009	061719009	EPA 8015B Modified	325198		
40189713011	061719011	EPA 8015B Modified	325198		
40189713001	061719001	EPA 3510	325093	EPA 8270 by HVI	325177
40189713002	061719002	EPA 3510	325093	EPA 8270 by HVI	325177
40189713003	061719003	EPA 3510	325093	EPA 8270 by HVI	325177
40189713004	061719004	EPA 3510	325093	EPA 8270 by HVI	325177
40189713005	061719005	EPA 3510	325093	EPA 8270 by HVI	325177
40189713006	061719006	EPA 3510	325093	EPA 8270 by HVI	325177
40189713007	061719007	EPA 3510	325093	EPA 8270 by HVI	325177
40189713008	061719008	EPA 3510	325093	EPA 8270 by HVI	325177
40189713009	061719009	EPA 3510	325093	EPA 8270 by HVI	325177
40189713001	061719001	EPA 8260	325085		
40189713002	061719002	EPA 8260	325085		
40189713003	061719003	EPA 8260	325085		
40189713004	061719004	EPA 8260	325085		
40189713005	061719005	EPA 8260	325085		
40189713006	061719006	EPA 8260	325085		
40189713007	061719007	EPA 8260	325085		
40189713008	061719008	EPA 8260	325085		
40189713009	061719009	EPA 8260	325085		
40189713010	061719010	EPA 8260	325085		
40189713011	061719011	EPA 8260	325085		
40189713001	061719001	EPA 300.0	325017		
40189713002	061719002	EPA 300.0	325132		
40189713003	061719003	EPA 300.0	325132		
40189713004	061719004	EPA 300.0	325132		
40189713005	061719005	EPA 300.0	325132		
40189713006	061719006	EPA 300.0	325132		
40189713007	061719007	EPA 300.0	325132		
40189713008	061719008	EPA 300.0	325132		
40189713009	061719009	EPA 300.0	325132		
40189713001	061719001	EPA 353.2	325671		
40189713002	061719002	EPA 353.2	325671		
40189713003	061719003	EPA 353.2	325671		
40189713004	061719004	EPA 353.2	325671		
40189713005	061719005	EPA 353.2	325671		
40189713006	061719006	EPA 353.2	325671		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 67971 CAMP MARINA

Pace Project No.: 40189713

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189713007	061719007	EPA 353.2	325671		
40189713008	061719008	EPA 353.2	325671		
40189713009	061719009	EPA 353.2	325671		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9 of 30
Green Bay, WI 54302

Client Name: OBG

Project # 40189713

All containers needing preservation have been checked and noted below: Yes No N/A

Initial when completed: JV Date/Time:

Lab Lot# of pH paper: 10453581

Lab Std #/ID of preservation (if pH adjusted):


Pace Lab #	Glass							Plastic						Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)					
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T								ZPLC	GN			
001					2						1																									2.5 / 5 / 10
002					6						3																									2.5 / 5 / 10
003					2						1																									2.5 / 5 / 10
004					2						1																									2.5 / 5 / 10
005					2						1																									2.5 / 5 / 10
006					2						1																									2.5 / 5 / 10
007					2						1																									2.5 / 5 / 10
008					2						1																									2.5 / 5 / 10
009					2						1																									2.5 / 5 / 10
010																																				2.5 / 5 / 10
011																																				2.5 / 5 / 10
012																																				2.5 / 5 / 10
013																																				2.5 / 5 / 10
014																																				2.5 / 5 / 10
015																																				2.5 / 5 / 10
016																																				2.5 / 5 / 10
017																																				2.5 / 5 / 10
018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10

6/19/2019

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WIDRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column


AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	DG9A 40 mL amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 mL plastic HNO3	DG9T 40 mL amber Na Thio	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH, Znacl	VG9U 40 mL clear vial unpres	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3U 250 mL plastic unpres	VG9H 40 mL clear vial HCL	
AG5U 100 mL amber glass unpres	BP3B 250 mL plastic NaOH	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG2S 500 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9D 40 mL clear vial DI	ZPLC ziploc bag
BG3U 250 mL clear glass unpres	BP3S 250 mL plastic H2SO4		GN:

6/19/2019

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: DBE
Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Project #: **WO# : 40189713**

 40189713

Tracking #: _____
Custody Seal on Cooler/Box Present: yes no **Seals intact:** yes no
Custody Seal on Samples Present: yes no **Seals intact:** yes no
Packing Material: Bubble Wrap Bubble Bags None Other
Thermometer Used SR - N/A **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature RO /Corr: _____

Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

Person examining contents:
 Date: 6/19/2019
 Initials: JV

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>6/19/2019 JV</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: [Signature] **Date:** 6-20-19
 Page 2 of 30