



Wisconsin Public Service Corporation

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

www.wisconsinpublicservice.com

September 4, 2018

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

RE: Recent Sampling Results
Sheboygan Campmarina MGP Site
732 North Water Street, Sheboygan, Wisconsin, 53081
WDNR BRRTS# 02-60-000095 / USEPA # WIN000510058

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 2018 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 me at 920-433-2643 or John Feeney from the WDNR at 920-893-8523.

Sincerely,

A handwritten signature in black ink, appearing to read 'BFB', with a horizontal line extending to the right.

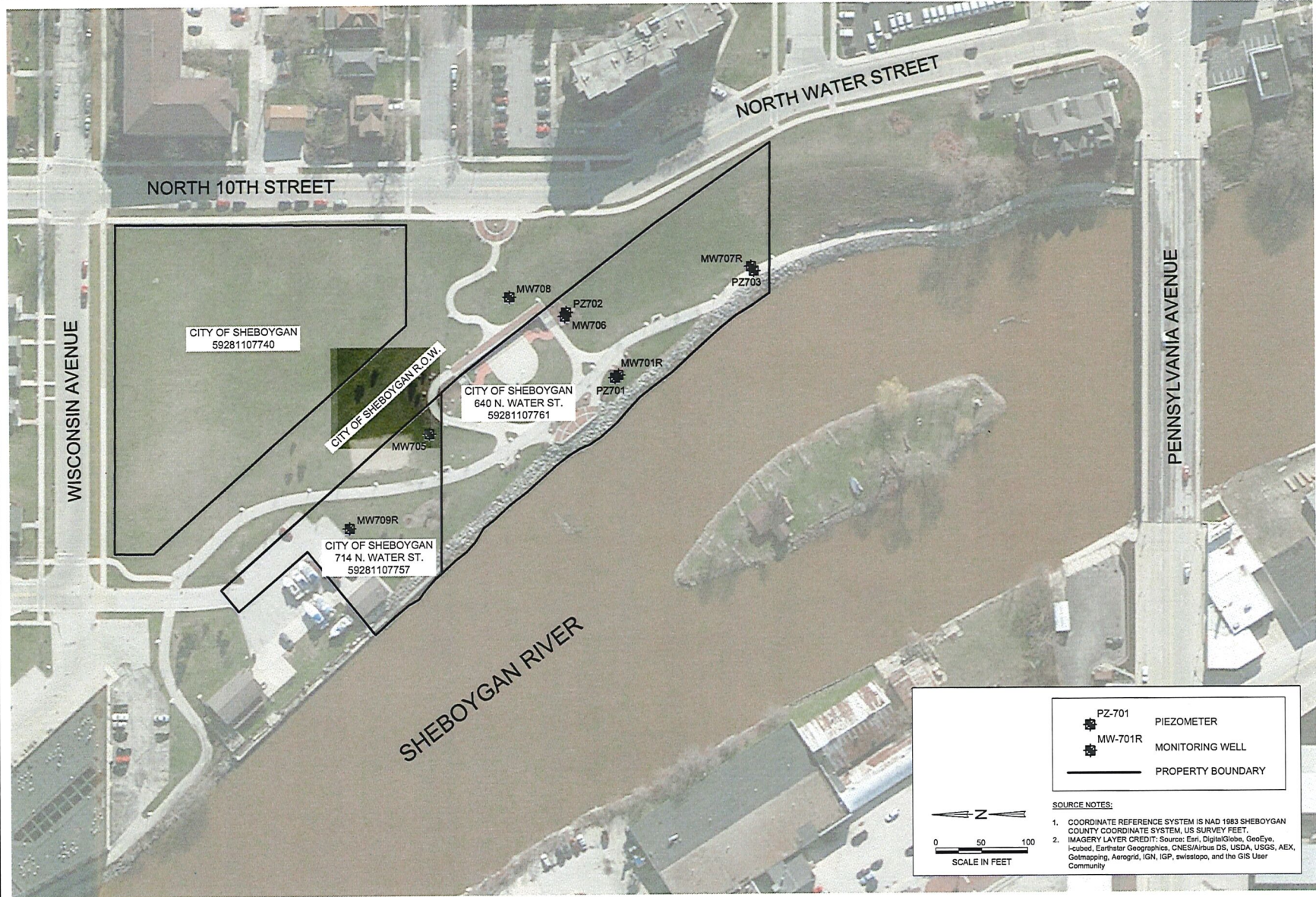
Brian F. Bartoszek, PE
Manager – Remediation

Enc: Figure 1. City of Sheboygan
Table 1. June 2018 Groundwater Analytical Results for the City of Sheboygan – PAHs
Table 2. June 2018 Groundwater Analytical Results for the City of Sheboygan – BTEX, Inorganics, and Organics
Table 3. Sample Key for City of Sheboygan
Laboratory Report
40170342

CC: WDNR PM – Mr. John Feeney

FIGURES

Feb 14, 2018 9:05am PLOTTED BY: Centreo SAVD BY: Centreo
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Legend:

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

SOURCE NOTES:

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

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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 Sheboyan Point			
REFERENCE: .			

CITY OF SHEBOYGAN
 RECENT SAMPLING RESULTS
 FORMER CAMPMARINA MANUFACTURED GAS PLANT
 WISCONSIN PUBLIC SERVICE CORPORATION
 SHEBOYGAN, WISCONSIN
 BRRTS# 02-60-000095



PROJECT NO.
67971

FIGURE NO.
1

TABLES

Table 1. June 2018 Groundwater Analytical Results for the City of Sheboygan - PAHs

June 2018 Sample Results Notification
 Wisconsin Public Service Corp., Former Manufactured Gas Plant Site - Campmarina
 732 North Water Street, Sheboygan, Wisconsin
 BRRTS#: 026000095 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	TPAH	
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)pyrene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Benzo(i)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (Lab Calc)
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	µg/L	µg/L
WI Groundwater PAL:			NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50	NS
WI Groundwater ES:			NS	NS	NS	NS	3,000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250	NS
060418007	MW-701R	6/4/2018	179	140	117	1.3 J	8.7	<0.75 U	<1.0 U	<0.57 U	<0.67 U	<0.75 U	<1.3 U	<0.99 U	3.3 J	25.8	<1.7 U	<u>1,090</u>	44.5	4.7	1,610
060418009	MW-706	6/4/2018	282	285	11.9	166	11.6	3.4 J	<u>2.3 J</u>	<u>2.8 J</u>	1.9 J	<1.5 U	<u>4.3 J</u>	<1.9 U	9.9 J	39.8	<3.4 U	<u>2,270</u>	50.7	12.3	3,150
060418003	MW-707R	6/4/2018	88.7	1.3	20.7	1.1 J	1.1 J	<0.37 U	<0.52 U	<0.28 U	<0.33 U	<0.37 U	<0.64 U	<0.49 U	<0.52 U	8.6	<0.86 U	<u>424</u>	7.1	0.65 J	554
060418004	MW-707R DUP	6/4/2018	83.2	1.3	19.2	1.0 J	1.3 J	<0.35 U	<0.49 U	<0.27 U	<0.32 U	<0.35 U	<0.61 U	<0.47 U	<0.50 U	7.1	<0.82 U	<u>412</u>	6.4	0.62 J	532
060418002	MW-708	6/4/2018	<0.0057 U	<0.0048 U	<0.0059 U	<0.0048 U	<0.010 U	<0.0073 U	<0.010 U	<0.0056 U	<0.0066 U	<0.0073 U	<0.013 U	<0.0097 U	<0.010 U	<0.0077 U	<0.017 U	<0.018 U	<0.013 U	<0.0074 U	0.026
060418001	MW-709R	6/4/2018	<0.0057 U	<0.0047 U	<0.0058 U	<0.0048 U	0.015 J	<0.0073 U	<0.010 U	0.013 J	0.0096 J	0.0082 J	0.017 J	<0.0096 U	0.036 J	<0.0077 U	<0.017 U	<0.018 U	0.018 J	0.029 J	0.18
060418006	PZ-701	6/4/2018	<0.0057 U	<0.0048 U	<0.0059 U	<0.0048 U	<0.010 U	<0.0073 U	<0.010 U	<0.0056 U	<0.0066 U	<0.0073 U	<0.013 U	<0.0097 U	<0.010 U	<0.0077 U	<0.017 U	0.019 J	<0.013 U	<0.0074 U	0.045
060418008	PZ-702	6/4/2018	0.0083 J	0.013 J	<0.0059 U	<0.0048 U	<0.010 U	<0.0073 U	<0.010 U	<0.0056 U	<0.0066 U	<0.0073 U	<0.013 U	<0.0097 U	<0.010 U	<0.0077 U	<0.017 U	0.042 J	<0.013 U	<0.0074 U	0.088
060418005	PZ-703	6/4/2018	0.0061 J	<0.0047 U	0.025 J	0.051	<0.010 U	<0.0073 U	<0.010 U	<0.0055 U	<0.0065 U	<0.0073 U	<0.013 U	<0.0096 U	<0.010 U	0.060	<0.017 U	0.041 J	0.022 J	0.0074 J	0.23

[0:ECK 7/18/18][CM:GMP 7/18/18][CAB# 7/24/18]

Notes
Underline = concentration that attains or exceeds WDNR PAL
BOLD = concentration that attains or exceeds WDNR ES
 < = Concentration is less than reported limit
 U = Not detected
 J = Estimated concentration at or above the LOD and below the Limit of Quantification (LOQ)
 Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.
 PAH = Polycyclic Aromatic Hydrocarbons
 TPAH = Total PAHs
 Total PAHs were calculated by the laboratory.
 DUP = Quality control field duplicate sample
 µg/L = micrograms per liter
 ES = Enforcement Standard
 PAL = Preventive Action Limit
 PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2017.
 NS = A groundwater quality standard has not been established.



Table 2. June 2018 Groundwater Analytical Results for the City of Sheboygan - BTEX, Inorganics and Organics

June 2018 Sample Results Notification

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

732 North 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>	NS
WI Groundwater ES:			5	700	800	2,000	10,000	250,000	NS
060418007	MW-701R	6/4/2018	<u>3,550</u>	<u>311</u>	14.9 J	165	<95 U	<5,000 U	6,220
060418009	MW-706	6/4/2018	<u>6,170</u>	<u>830</u>	<u>3,960</u>	<u>1,130</u>	<95 U	69,500	26.6
060418003	MW-707R	6/4/2018	<u>1,410</u>	<u>1,880</u>	26.5 J	<u>557</u>	<95 U	95,300	4,420
060418004	MW-707R DUP	6/4/2018	<u>1,450</u>	<u>1,940</u>	22.2	<u>538</u>	<95 U	107,000	5,560
060418002	MW-708	6/4/2018	<0.50 U	<0.50 U	<0.50 U	<1.5 U	120 J	53,400	<1.4 U
060418001	MW-709R	6/4/2018	<0.50 U	<0.50 U	<0.50 U	<1.5 U	<95 U	68,900	681
060418006	PZ-701	6/4/2018	<0.50 U	<0.50 U	<0.50 U	<1.5 U	430	91,800	<1.4 U
060418008	PZ-702	6/4/2018	<0.50 U	<0.50 U	<0.50 U	<1.5 U	<95 U	<5,000 U	<1.4 U
060418005	PZ-703	6/4/2018	<u>429</u>	<u>153</u>	10.7	94.7	<95 U	<5,000 U	1,100

[0:ECK 7/18/18][C:MGP 7/18/18][C:AB6 7/24/18]

Notes

Underline = concentration that attains or exceeds WDNR PAL

BOLD = concentration that attains or exceeds WDNR ES

< = Concentration is less than reported limit

U = Not detected

J = Estimated concentration at or above the LOD and below the Limit of Quantification (LOQ)

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

BTEX = Benzene, Toluene, Ethylbenzene and Xylene

DUP = Quality control field duplicate sample

µg/L = micrograms per liter

ES = Enforcement Standard

PAL = Preventive Action Limit

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

NS = A groundwater quality standard has not been established.



Table 3. Sample Key for City of Sheboygan

June 2018 Sample Results Notification

Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site

732 North Water Street, Sheboygan, Wisconsin

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

PACE Lab Report	9-digit code	Location ID Name	Duplicate of	Matrix	Sample Date
40170342	060418007	MW-701R	--	Groundwater	6/4/2018
40170342	060418009	MW-706	--	Groundwater	6/4/2018
40170342	060418003	MW-707R	--	Groundwater	6/4/2018
40170342	060418004	MW-707R DUP	MW-707R	Groundwater	6/4/2018
40170342	060418002	MW-708	--	Groundwater	6/4/2018
40170342	060418001	MW-709R	--	Groundwater	6/4/2018
40170342	060418006	PZ-701	--	Groundwater	6/4/2018
40170342	060418008	PZ-702	--	Groundwater	6/4/2018
40170342	060418005	PZ-703	--	Groundwater	6/4/2018

[O:ECK 7/18/18][C:MGP 7/18/18][C:ABB 7/24/18]

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

June 20, 2018

Andrew Cawrse
OBG
234 W Florida St
Milwaukee, WI 53204

RE: Project: 67971 CAMP MARINA
Pace Project No.: 40170342

Dear Andrew Cawrse:

Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2018. 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

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CERTIFICATIONS

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

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

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SAMPLE SUMMARY

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40170342001	060418001	Water	06/04/18 10:08	06/06/18 09:40
40170342002	060418002	Water	06/04/18 11:13	06/06/18 09:40
40170342003	060418003	Water	06/04/18 12:02	06/06/18 09:40
40170342004	060418004	Water	06/04/18 12:07	06/06/18 09:40
40170342005	060418005	Water	06/04/18 12:46	06/06/18 09:40
40170342006	060418006	Water	06/04/18 13:45	06/06/18 09:40
40170342007	060418007	Water	06/04/18 14:23	06/06/18 09:40
40170342008	060418008	Water	06/04/18 15:39	06/06/18 09:40
40170342009	060418009	Water	06/04/18 16:05	06/06/18 09:40

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SAMPLE ANALYTE COUNT

Project: 67971 CAMP MARINA
 Pace Project No.: 40170342

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40170342001	060418001	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
40170342002	060418002	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
40170342003	060418003	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
40170342004	060418004	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
40170342005	060418005	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
40170342006	060418006	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
40170342007	060418007	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
40170342008	060418008	EPA 8015B Modified	ALD	1
		EPA 8270 by HVI	TPO	21

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8260	HNW	7
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40170342009	060418009	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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

Sample: 060418001 Lab ID: 40170342001 Collected: 06/04/18 10:08 Received: 06/06/18 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	681	ug/L	11.2	5.5	4		06/12/18 10:51	74-82-8	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.0058	ug/L	0.029	0.0058	1	06/07/18 10:50	06/08/18 15:57	83-32-9	
Acenaphthylene	<0.0048	ug/L	0.024	0.0048	1	06/07/18 10:50	06/08/18 15:57	208-96-8	
Anthracene	0.015J	ug/L	0.050	0.010	1	06/07/18 10:50	06/08/18 15:57	120-12-7	
Benzo(a)anthracene	<0.0073	ug/L	0.036	0.0073	1	06/07/18 10:50	06/08/18 15:57	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.051	0.010	1	06/07/18 10:50	06/08/18 15:57	50-32-8	
Benzo(b)fluoranthene	0.013J	ug/L	0.028	0.0055	1	06/07/18 10:50	06/08/18 15:57	205-99-2	
Benzo(g,h,i)perylene	0.0096J	ug/L	0.033	0.0065	1	06/07/18 10:50	06/08/18 15:57	191-24-2	
Benzo(k)fluoranthene	0.0082J	ug/L	0.036	0.0073	1	06/07/18 10:50	06/08/18 15:57	207-08-9	
Chrysene	0.017J	ug/L	0.063	0.013	1	06/07/18 10:50	06/08/18 15:57	218-01-9	
Dibenz(a,h)anthracene	<0.0096	ug/L	0.048	0.0096	1	06/07/18 10:50	06/08/18 15:57	53-70-3	
Fluoranthene	0.036J	ug/L	0.051	0.010	1	06/07/18 10:50	06/08/18 15:57	206-44-0	
Fluorene	<0.0077	ug/L	0.038	0.0077	1	06/07/18 10:50	06/08/18 15:57	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.085	0.017	1	06/07/18 10:50	06/08/18 15:57	193-39-5	
1-Methylnaphthalene	<0.0057	ug/L	0.028	0.0057	1	06/07/18 10:50	06/08/18 15:57	90-12-0	
2-Methylnaphthalene	<0.0047	ug/L	0.024	0.0047	1	06/07/18 10:50	06/08/18 15:57	91-57-6	
Naphthalene	<0.018	ug/L	0.088	0.018	1	06/07/18 10:50	06/08/18 15:57	91-20-3	
Phenanthrene	0.018J	ug/L	0.066	0.013	1	06/07/18 10:50	06/08/18 15:57	85-01-8	
Pyrene	0.029J	ug/L	0.037	0.0074	1	06/07/18 10:50	06/08/18 15:57	129-00-0	
Total PAHs	0.18	ug/L			1	06/07/18 10:50	06/08/18 15:57		
Surrogates									
2-Fluorobiphenyl (S)	58	%	29-80		1	06/07/18 10:50	06/08/18 15:57	321-60-8	
Terphenyl-d14 (S)	75	%	10-123		1	06/07/18 10:50	06/08/18 15:57	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		06/07/18 16:08	71-43-2	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/18 16:08	100-41-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/18 16:08	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/18 16:08	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%	70-130		1		06/07/18 16:08	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/07/18 16:08	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		06/07/18 16:08	460-00-4	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	68.9	mg/L	15.0	5.0	5		06/15/18 14:44	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		06/14/18 09:00		

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ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40170342

Sample: 060418002 Lab ID: 40170342002 Collected: 06/04/18 11:13 Received: 06/06/18 09:40 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		06/12/18 09:08	74-82-8	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.0059	ug/L	0.029	0.0059	1	06/07/18 10:50	06/07/18 18:26	83-32-9	
Acenaphthylene	<0.0048	ug/L	0.024	0.0048	1	06/07/18 10:50	06/07/18 18:26	208-96-8	
Anthracene	<0.010	ug/L	0.051	0.010	1	06/07/18 10:50	06/07/18 18:26	120-12-7	
Benzo(a)anthracene	<0.0073	ug/L	0.037	0.0073	1	06/07/18 10:50	06/07/18 18:26	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.051	0.010	1	06/07/18 10:50	06/07/18 18:26	50-32-8	
Benzo(b)fluoranthene	<0.0056	ug/L	0.028	0.0056	1	06/07/18 10:50	06/07/18 18:26	205-99-2	
Benzo(g,h,i)perylene	<0.0066	ug/L	0.033	0.0066	1	06/07/18 10:50	06/07/18 18:26	191-24-2	
Benzo(k)fluoranthene	<0.0073	ug/L	0.037	0.0073	1	06/07/18 10:50	06/07/18 18:26	207-08-9	
Chrysene	<0.013	ug/L	0.063	0.013	1	06/07/18 10:50	06/07/18 18:26	218-01-9	
Dibenz(a,h)anthracene	<0.0097	ug/L	0.049	0.0097	1	06/07/18 10:50	06/07/18 18:26	53-70-3	
Fluoranthene	<0.010	ug/L	0.052	0.010	1	06/07/18 10:50	06/07/18 18:26	206-44-0	
Fluorene	<0.0077	ug/L	0.039	0.0077	1	06/07/18 10:50	06/07/18 18:26	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.086	0.017	1	06/07/18 10:50	06/07/18 18:26	193-39-5	
1-Methylnaphthalene	<0.0057	ug/L	0.029	0.0057	1	06/07/18 10:50	06/07/18 18:26	90-12-0	
2-Methylnaphthalene	<0.0048	ug/L	0.024	0.0048	1	06/07/18 10:50	06/07/18 18:26	91-57-6	
Naphthalene	<0.018	ug/L	0.089	0.018	1	06/07/18 10:50	06/07/18 18:26	91-20-3	
Phenanthrene	<0.013	ug/L	0.067	0.013	1	06/07/18 10:50	06/07/18 18:26	85-01-8	
Pyrene	<0.0074	ug/L	0.037	0.0074	1	06/07/18 10:50	06/07/18 18:26	129-00-0	
Total PAHs	0.026	ug/L			1	06/07/18 10:50	06/07/18 18:26		
Surrogates									
2-Fluorobiphenyl (S)	58	%	29-80		1	06/07/18 10:50	06/07/18 18:26	321-60-8	
Terphenyl-d14 (S)	78	%	10-123		1	06/07/18 10:50	06/07/18 18:26	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		06/07/18 16:30	71-43-2	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/18 16:30	100-41-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/18 16:30	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/18 16:30	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1		06/07/18 16:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/07/18 16:30	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		06/07/18 16:30	460-00-4	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	53.4	mg/L	15.0	5.0	5		06/15/18 14:57	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	0.12J	mg/L	0.25	0.095	1		06/14/18 09:01		

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ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40170342

Sample: 060418003 Lab ID: 40170342003 Collected: 06/04/18 12:02 Received: 06/06/18 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	4420	ug/L	70.0	34.2	25		06/12/18 10:58	74-82-8	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	20.7	ug/L	1.5	0.30	50	06/07/18 10:50	06/07/18 20:53	83-32-9	
Acenaphthylene	1.1J	ug/L	1.2	0.24	50	06/07/18 10:50	06/07/18 20:53	208-96-8	
Anthracene	1.1J	ug/L	2.6	0.51	50	06/07/18 10:50	06/07/18 20:53	120-12-7	
Benzo(a)anthracene	<0.37	ug/L	1.9	0.37	50	06/07/18 10:50	06/07/18 20:53	56-55-3	
Benzo(a)pyrene	<0.52	ug/L	2.6	0.52	50	06/07/18 10:50	06/07/18 20:53	50-32-8	
Benzo(b)fluoranthene	<0.28	ug/L	1.4	0.28	50	06/07/18 10:50	06/07/18 20:53	205-99-2	
Benzo(g,h,i)perylene	<0.33	ug/L	1.7	0.33	50	06/07/18 10:50	06/07/18 20:53	191-24-2	
Benzo(k)fluoranthene	<0.37	ug/L	1.8	0.37	50	06/07/18 10:50	06/07/18 20:53	207-08-9	
Chrysene	<0.64	ug/L	3.2	0.64	50	06/07/18 10:50	06/07/18 20:53	218-01-9	
Dibenz(a,h)anthracene	<0.49	ug/L	2.5	0.49	50	06/07/18 10:50	06/07/18 20:53	53-70-3	
Fluoranthene	<0.52	ug/L	2.6	0.52	50	06/07/18 10:50	06/07/18 20:53	206-44-0	
Fluorene	8.6	ug/L	2.0	0.39	50	06/07/18 10:50	06/07/18 20:53	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.86	ug/L	4.3	0.86	50	06/07/18 10:50	06/07/18 20:53	193-39-5	
1-Methylnaphthalene	88.7	ug/L	1.4	0.29	50	06/07/18 10:50	06/07/18 20:53	90-12-0	
2-Methylnaphthalene	1.3	ug/L	1.2	0.24	50	06/07/18 10:50	06/07/18 20:53	91-57-6	
Naphthalene	424	ug/L	4.5	0.90	50	06/07/18 10:50	06/07/18 20:53	91-20-3	
Phenanthrene	7.1	ug/L	3.4	0.68	50	06/07/18 10:50	06/07/18 20:53	85-01-8	
Pyrene	0.65J	ug/L	1.9	0.38	50	06/07/18 10:50	06/07/18 20:53	129-00-0	
Total PAHs	554	ug/L			50	06/07/18 10:50	06/07/18 20:53		
Surrogates									
2-Fluorobiphenyl (S)	40	%	29-80		50	06/07/18 10:50	06/07/18 20:53	321-60-8	
Terphenyl-d14 (S)	44	%	10-123		50	06/07/18 10:50	06/07/18 20:53	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	1410	ug/L	40.0	20.0	40		06/07/18 13:38	71-43-2	
Ethylbenzene	1880	ug/L	40.0	20.0	40		06/07/18 13:38	100-41-4	
Toluene	26.5J	ug/L	40.0	20.0	40		06/07/18 13:38	108-88-3	
Xylene (Total)	557	ug/L	120	60.0	40		06/07/18 13:38	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		40		06/07/18 13:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130		40		06/07/18 13:38	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		40		06/07/18 13:38	460-00-4	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	95.3	mg/L	15.0	5.0	5		06/15/18 15:11	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		06/14/18 09:06		

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ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40170342

Sample: 060418004 Lab ID: 40170342004 Collected: 06/04/18 12:07 Received: 06/06/18 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Methane	5560	ug/L	112	54.8	40		06/12/18 11:05	74-82-8	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	19.2	ug/L	1.4	0.28	50	06/07/18 10:50	06/07/18 21:12	83-32-9	
Acenaphthylene	1.0J	ug/L	1.2	0.23	50	06/07/18 10:50	06/07/18 21:12	208-96-8	
Anthracene	1.3J	ug/L	2.4	0.49	50	06/07/18 10:50	06/07/18 21:12	120-12-7	
Benzo(a)anthracene	<0.35	ug/L	1.8	0.35	50	06/07/18 10:50	06/07/18 21:12	56-55-3	
Benzo(a)pyrene	<0.49	ug/L	2.5	0.49	50	06/07/18 10:50	06/07/18 21:12	50-32-8	
Benzo(b)fluoranthene	<0.27	ug/L	1.3	0.27	50	06/07/18 10:50	06/07/18 21:12	205-99-2	
Benzo(g,h,i)perylene	<0.32	ug/L	1.6	0.32	50	06/07/18 10:50	06/07/18 21:12	191-24-2	
Benzo(k)fluoranthene	<0.35	ug/L	1.8	0.35	50	06/07/18 10:50	06/07/18 21:12	207-08-9	
Chrysene	<0.61	ug/L	3.0	0.61	50	06/07/18 10:50	06/07/18 21:12	218-01-9	
Dibenz(a,h)anthracene	<0.47	ug/L	2.3	0.47	50	06/07/18 10:50	06/07/18 21:12	53-70-3	
Fluoranthene	<0.50	ug/L	2.5	0.50	50	06/07/18 10:50	06/07/18 21:12	206-44-0	
Fluorene	7.1	ug/L	1.9	0.37	50	06/07/18 10:50	06/07/18 21:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.82	ug/L	4.1	0.82	50	06/07/18 10:50	06/07/18 21:12	193-39-5	
1-Methylnaphthalene	83.2	ug/L	1.4	0.28	50	06/07/18 10:50	06/07/18 21:12	90-12-0	
2-Methylnaphthalene	1.3	ug/L	1.1	0.23	50	06/07/18 10:50	06/07/18 21:12	91-57-6	
Naphthalene	412	ug/L	4.3	0.86	50	06/07/18 10:50	06/07/18 21:12	91-20-3	
Phenanthrene	6.4	ug/L	3.2	0.64	50	06/07/18 10:50	06/07/18 21:12	85-01-8	
Pyrene	0.62J	ug/L	1.8	0.36	50	06/07/18 10:50	06/07/18 21:12	129-00-0	
Total PAHs	532	ug/L			50	06/07/18 10:50	06/07/18 21:12		
Surrogates									
2-Fluorobiphenyl (S)	41	%	29-80		50	06/07/18 10:50	06/07/18 21:12	321-60-8	
Terphenyl-d14 (S)	43	%	10-123		50	06/07/18 10:50	06/07/18 21:12	1718-51-0	
8260 MSV UST		Analytical Method: EPA 8260							
Benzene	1450	ug/L	20.0	10.0	20		06/07/18 18:17	71-43-2	
Ethylbenzene	1940	ug/L	20.0	10.0	20		06/07/18 18:17	100-41-4	
Toluene	22.2	ug/L	20.0	10.0	20		06/07/18 18:17	108-88-3	
Xylene (Total)	538	ug/L	60.0	30.0	20		06/07/18 18:17	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	110	%	70-130		20		06/07/18 18:17	1868-53-7	
Toluene-d8 (S)	99	%	70-130		20		06/07/18 18:17	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		20		06/07/18 18:17	460-00-4	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Sulfate	107	mg/L	15.0	5.0	5		06/15/18 15:24	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		06/14/18 09:07		

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ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40170342

Sample: 060418005 Lab ID: 40170342005 Collected: 06/04/18 12:46 Received: 06/06/18 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Methane	1100	ug/L	28.0	13.7	10		06/12/18 11:12	74-82-8	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.025J	ug/L	0.029	0.0058	1	06/07/18 10:50	06/07/18 18:44	83-32-9	
Acenaphthylene	0.051	ug/L	0.024	0.0048	1	06/07/18 10:50	06/07/18 18:44	208-96-8	
Anthracene	<0.010	ug/L	0.050	0.010	1	06/07/18 10:50	06/07/18 18:44	120-12-7	
Benzo(a)anthracene	<0.0073	ug/L	0.036	0.0073	1	06/07/18 10:50	06/07/18 18:44	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.051	0.010	1	06/07/18 10:50	06/07/18 18:44	50-32-8	
Benzo(b)fluoranthene	<0.0055	ug/L	0.028	0.0055	1	06/07/18 10:50	06/07/18 18:44	205-99-2	
Benzo(g,h,i)perylene	<0.0065	ug/L	0.033	0.0065	1	06/07/18 10:50	06/07/18 18:44	191-24-2	
Benzo(k)fluoranthene	<0.0073	ug/L	0.036	0.0073	1	06/07/18 10:50	06/07/18 18:44	207-08-9	
Chrysene	<0.013	ug/L	0.063	0.013	1	06/07/18 10:50	06/07/18 18:44	218-01-9	
Dibenz(a,h)anthracene	<0.0096	ug/L	0.048	0.0096	1	06/07/18 10:50	06/07/18 18:44	53-70-3	
Fluoranthene	<0.010	ug/L	0.051	0.010	1	06/07/18 10:50	06/07/18 18:44	206-44-0	
Fluorene	0.060	ug/L	0.038	0.0077	1	06/07/18 10:50	06/07/18 18:44	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.085	0.017	1	06/07/18 10:50	06/07/18 18:44	193-39-5	
1-Methylnaphthalene	0.0061J	ug/L	0.028	0.0057	1	06/07/18 10:50	06/07/18 18:44	90-12-0	
2-Methylnaphthalene	<0.0047	ug/L	0.024	0.0047	1	06/07/18 10:50	06/07/18 18:44	91-57-6	
Naphthalene	0.041J	ug/L	0.088	0.018	1	06/07/18 10:50	06/07/18 18:44	91-20-3	
Phenanthrene	0.022J	ug/L	0.066	0.013	1	06/07/18 10:50	06/07/18 18:44	85-01-8	
Pyrene	0.0074J	ug/L	0.037	0.0074	1	06/07/18 10:50	06/07/18 18:44	129-00-0	
Total PAHs	0.23	ug/L			1	06/07/18 10:50	06/07/18 18:44		
Surrogates									
2-Fluorobiphenyl (S)	55	%	29-80		1	06/07/18 10:50	06/07/18 18:44	321-60-8	
Terphenyl-d14 (S)	75	%	10-123		1	06/07/18 10:50	06/07/18 18:44	1718-51-0	
8260 MSV UST		Analytical Method: EPA 8260							
Benzene	429	ug/L	2.5	1.2	2.5		06/07/18 14:21	71-43-2	
Ethylbenzene	153	ug/L	2.5	1.2	2.5		06/07/18 14:21	100-41-4	
Toluene	10.7	ug/L	2.5	1.2	2.5		06/07/18 14:21	108-88-3	
Xylene (Total)	94.7	ug/L	7.5	3.8	2.5		06/07/18 14:21	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		2.5		06/07/18 14:21	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2.5		06/07/18 14:21	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		2.5		06/07/18 14:21	460-00-4	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Sulfate	<5.0	mg/L	15.0	5.0	5		06/15/18 15:37	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		06/14/18 09:08		

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ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40170342

Sample: 060418006 Lab ID: 40170342006 Collected: 06/04/18 13:45 Received: 06/06/18 09:40 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		06/12/18 09:36	74-82-8	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0059	ug/L	0.029	0.0059	1	06/07/18 10:50	06/07/18 19:03	83-32-9	
Acenaphthylene	<0.0048	ug/L	0.024	0.0048	1	06/07/18 10:50	06/07/18 19:03	208-96-8	
Anthracene	<0.010	ug/L	0.051	0.010	1	06/07/18 10:50	06/07/18 19:03	120-12-7	
Benzo(a)anthracene	<0.0073	ug/L	0.037	0.0073	1	06/07/18 10:50	06/07/18 19:03	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.051	0.010	1	06/07/18 10:50	06/07/18 19:03	50-32-8	
Benzo(b)fluoranthene	<0.0056	ug/L	0.028	0.0056	1	06/07/18 10:50	06/07/18 19:03	205-99-2	
Benzo(g,h,i)perylene	<0.0066	ug/L	0.033	0.0066	1	06/07/18 10:50	06/07/18 19:03	191-24-2	
Benzo(k)fluoranthene	<0.0073	ug/L	0.037	0.0073	1	06/07/18 10:50	06/07/18 19:03	207-08-9	
Chrysene	<0.013	ug/L	0.063	0.013	1	06/07/18 10:50	06/07/18 19:03	218-01-9	
Dibenz(a,h)anthracene	<0.0097	ug/L	0.049	0.0097	1	06/07/18 10:50	06/07/18 19:03	53-70-3	
Fluoranthene	<0.010	ug/L	0.052	0.010	1	06/07/18 10:50	06/07/18 19:03	206-44-0	
Fluorene	<0.0077	ug/L	0.039	0.0077	1	06/07/18 10:50	06/07/18 19:03	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.086	0.017	1	06/07/18 10:50	06/07/18 19:03	193-39-5	
1-Methylnaphthalene	<0.0057	ug/L	0.029	0.0057	1	06/07/18 10:50	06/07/18 19:03	90-12-0	
2-Methylnaphthalene	<0.0048	ug/L	0.024	0.0048	1	06/07/18 10:50	06/07/18 19:03	91-57-6	
Naphthalene	0.019J	ug/L	0.089	0.018	1	06/07/18 10:50	06/07/18 19:03	91-20-3	
Phenanthrene	<0.013	ug/L	0.067	0.013	1	06/07/18 10:50	06/07/18 19:03	85-01-8	
Pyrene	<0.0074	ug/L	0.037	0.0074	1	06/07/18 10:50	06/07/18 19:03	129-00-0	
Total PAHs	0.045	ug/L			1	06/07/18 10:50	06/07/18 19:03		
Surrogates									
2-Fluorobiphenyl (S)	52	%	29-80		1	06/07/18 10:50	06/07/18 19:03	321-60-8	
Terphenyl-d14 (S)	80	%	10-123		1	06/07/18 10:50	06/07/18 19:03	1718-51-0	
8260 MSV UST		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		06/07/18 16:51	71-43-2	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/18 16:51	100-41-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/18 16:51	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/18 16:51	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%	70-130		1		06/07/18 16:51	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/07/18 16:51	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		06/07/18 16:51	460-00-4	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Sulfate	91.8	mg/L	15.0	5.0	5		06/15/18 15:55	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	0.43	mg/L	0.25	0.095	1		06/14/18 09:09		

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ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

Sample: 060418007 Lab ID: 40170342007 Collected: 06/04/18 14:23 Received: 06/06/18 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	6220	ug/L	140	68.5	50		06/12/18 11:19	74-82-8	M1
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	117	ug/L	3.0	0.60	100	06/07/18 10:50	06/07/18 19:58	83-32-9	M6
Acenaphthylene	1.3J	ug/L	2.5	0.49	100	06/07/18 10:50	06/07/18 19:58	208-96-8	
Anthracene	8.7	ug/L	5.2	1.0	100	06/07/18 10:50	06/07/18 19:58	120-12-7	M6
Benzo(a)anthracene	<0.75	ug/L	3.7	0.75	100	06/07/18 10:50	06/07/18 19:58	56-55-3	M6
Benzo(a)pyrene	<1.0	ug/L	5.2	1.0	100	06/07/18 10:50	06/07/18 19:58	50-32-8	M6
Benzo(b)fluoranthene	<0.57	ug/L	2.8	0.57	100	06/07/18 10:50	06/07/18 19:58	205-99-2	
Benzo(g,h,i)perylene	<0.67	ug/L	3.4	0.67	100	06/07/18 10:50	06/07/18 19:58	191-24-2	
Benzo(k)fluoranthene	<0.75	ug/L	3.7	0.75	100	06/07/18 10:50	06/07/18 19:58	207-08-9	M6
Chrysene	<1.3	ug/L	6.5	1.3	100	06/07/18 10:50	06/07/18 19:58	218-01-9	
Dibenz(a,h)anthracene	<0.99	ug/L	5.0	0.99	100	06/07/18 10:50	06/07/18 19:58	53-70-3	M6
Fluoranthene	3.3J	ug/L	5.3	1.1	100	06/07/18 10:50	06/07/18 19:58	206-44-0	M6
Fluorene	25.8	ug/L	3.9	0.79	100	06/07/18 10:50	06/07/18 19:58	86-73-7	M6
Indeno(1,2,3-cd)pyrene	<1.7	ug/L	8.7	1.7	100	06/07/18 10:50	06/07/18 19:58	193-39-5	M6
1-Methylnaphthalene	179	ug/L	2.9	0.58	100	06/07/18 10:50	06/07/18 19:58	90-12-0	M6
2-Methylnaphthalene	140	ug/L	2.4	0.49	100	06/07/18 10:50	06/07/18 19:58	91-57-6	M6
Naphthalene	1090	ug/L	9.1	1.8	100	06/07/18 10:50	06/07/18 19:58	91-20-3	M6
Phenanthrene	44.5	ug/L	6.8	1.4	100	06/07/18 10:50	06/07/18 19:58	85-01-8	M6
Pyrene	4.7	ug/L	3.8	0.76	100	06/07/18 10:50	06/07/18 19:58	129-00-0	M6
Total PAHs	1610	ug/L			100	06/07/18 10:50	06/07/18 19:58		
Surrogates									
2-Fluorobiphenyl (S)	73	%	29-80		100	06/07/18 10:50	06/07/18 19:58	321-60-8	
Terphenyl-d14 (S)	67	%	10-123		100	06/07/18 10:50	06/07/18 19:58	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	3550	ug/L	25.0	12.5	25		06/07/18 15:04	71-43-2	
Ethylbenzene	311	ug/L	25.0	12.5	25		06/07/18 15:04	100-41-4	
Toluene	14.9J	ug/L	25.0	12.5	25		06/07/18 15:04	108-88-3	
Xylene (Total)	165	ug/L	75.0	37.5	25		06/07/18 15:04	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		25		06/07/18 15:04	1868-53-7	
Toluene-d8 (S)	99	%	70-130		25		06/07/18 15:04	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		25		06/07/18 15:04	460-00-4	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	<5.0	mg/L	15.0	5.0	5		06/15/18 16:48	14808-79-8	D3,M0
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		06/14/18 09:10		

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ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40170342

Sample: 060418008 Lab ID: 40170342008 Collected: 06/04/18 15:39 Received: 06/06/18 09:40 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		06/12/18 11:40	74-82-8	
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.0059	ug/L	0.029	0.0059	1	06/07/18 10:50	06/08/18 15:39	83-32-9	
Acenaphthylene	<0.0048	ug/L	0.024	0.0048	1	06/07/18 10:50	06/08/18 15:39	208-96-8	
Anthracene	<0.010	ug/L	0.051	0.010	1	06/07/18 10:50	06/08/18 15:39	120-12-7	
Benzo(a)anthracene	<0.0073	ug/L	0.037	0.0073	1	06/07/18 10:50	06/08/18 15:39	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.051	0.010	1	06/07/18 10:50	06/08/18 15:39	50-32-8	
Benzo(b)fluoranthene	<0.0056	ug/L	0.028	0.0056	1	06/07/18 10:50	06/08/18 15:39	205-99-2	
Benzo(g,h,i)perylene	<0.0066	ug/L	0.033	0.0066	1	06/07/18 10:50	06/08/18 15:39	191-24-2	
Benzo(k)fluoranthene	<0.0073	ug/L	0.037	0.0073	1	06/07/18 10:50	06/08/18 15:39	207-08-9	
Chrysene	<0.013	ug/L	0.063	0.013	1	06/07/18 10:50	06/08/18 15:39	218-01-9	
Dibenz(a,h)anthracene	<0.0097	ug/L	0.049	0.0097	1	06/07/18 10:50	06/08/18 15:39	53-70-3	
Fluoranthene	<0.010	ug/L	0.052	0.010	1	06/07/18 10:50	06/08/18 15:39	206-44-0	
Fluorene	<0.0077	ug/L	0.039	0.0077	1	06/07/18 10:50	06/08/18 15:39	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.086	0.017	1	06/07/18 10:50	06/08/18 15:39	193-39-5	
1-Methylnaphthalene	0.0083J	ug/L	0.029	0.0057	1	06/07/18 10:50	06/08/18 15:39	90-12-0	
2-Methylnaphthalene	0.013J	ug/L	0.024	0.0048	1	06/07/18 10:50	06/08/18 15:39	91-57-6	
Naphthalene	0.042J	ug/L	0.089	0.018	1	06/07/18 10:50	06/08/18 15:39	91-20-3	
Phenanthrene	<0.013	ug/L	0.067	0.013	1	06/07/18 10:50	06/08/18 15:39	85-01-8	
Pyrene	<0.0074	ug/L	0.037	0.0074	1	06/07/18 10:50	06/08/18 15:39	129-00-0	
Total PAHs	0.088	ug/L			1	06/07/18 10:50	06/08/18 15:39		
Surrogates									
2-Fluorobiphenyl (S)	55	%	29-80		1	06/07/18 10:50	06/08/18 15:39	321-60-8	
Terphenyl-d14 (S)	79	%	10-123		1	06/07/18 10:50	06/08/18 15:39	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		06/07/18 17:12	71-43-2	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/18 17:12	100-41-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/18 17:12	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/18 17:12	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		1		06/07/18 17:12	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		06/07/18 17:12	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		06/07/18 17:12	460-00-4	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Sulfate	<5.0	mg/L	15.0	5.0	5		06/15/18 17:28	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		06/14/18 09:14		

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ANALYTICAL RESULTS

Project: 67971 CAMP MARINA
 Pace Project No.: 40170342

Sample: 060418009 Lab ID: 40170342009 Collected: 06/04/18 16:05 Received: 06/06/18 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified									
Methane	26.6	ug/L	2.8	1.4	1		06/12/18 09:57	74-82-8	
8270 MSSV PAH by HVI Analytical Method: EPA 8270.by HVI Preparation Method: EPA 3510									
Acenaphthene	11.9	ug/L	5.8	1.2	200	06/07/18 10:50	06/11/18 12:08	83-32-9	
Acenaphthylene	166	ug/L	4.8	0.96	200	06/07/18 10:50	06/11/18 12:08	208-96-8	
Anthracene	11.6	ug/L	10.0	2.0	200	06/07/18 10:50	06/11/18 12:08	120-12-7	
Benzo(a)anthracene	3.4J	ug/L	7.3	1.5	200	06/07/18 10:50	06/11/18 12:08	56-55-3	
Benzo(a)pyrene	2.3J	ug/L	10.1	2.0	200	06/07/18 10:50	06/11/18 12:08	50-32-8	
Benzo(b)fluoranthene	2.8J	ug/L	5.5	1.1	200	06/07/18 10:50	06/11/18 12:08	205-99-2	
Benzo(g,h,i)perylene	1.9J	ug/L	6.5	1.3	200	06/07/18 10:50	06/11/18 12:08	191-24-2	
Benzo(k)fluoranthene	<1.5	ug/L	7.3	1.5	200	06/07/18 10:50	06/11/18 12:08	207-08-9	
Chrysene	4.3J	ug/L	12.5	2.5	200	06/07/18 10:50	06/11/18 12:08	218-01-9	
Dibenz(a,h)anthracene	<1.9	ug/L	9.6	1.9	200	06/07/18 10:50	06/11/18 12:08	53-70-3	
Fluoranthene	9.9J	ug/L	10.3	2.1	200	06/07/18 10:50	06/11/18 12:08	206-44-0	
Fluorene	39.8	ug/L	7.7	1.5	200	06/07/18 10:50	06/11/18 12:08	86-73-7	
Indeno(1,2,3-cd)pyrene	<3.4	ug/L	17.0	3.4	200	06/07/18 10:50	06/11/18 12:08	193-39-5	
1-Methylnaphthalene	282	ug/L	5.7	1.1	200	06/07/18 10:50	06/11/18 12:08	90-12-0	
2-Methylnaphthalene	285	ug/L	4.7	0.94	200	06/07/18 10:50	06/11/18 12:08	91-57-6	
Naphthalene	2270	ug/L	17.6	3.5	200	06/07/18 10:50	06/11/18 12:08	91-20-3	
Phenanthrene	50.7	ug/L	13.3	2.7	200	06/07/18 10:50	06/11/18 12:08	85-01-8	
Pyrene	12.3	ug/L	7.4	1.5	200	06/07/18 10:50	06/11/18 12:08	129-00-0	
Total PAHs	3150	ug/L			200	06/07/18 10:50	06/11/18 12:08		
Surrogates									
2-Fluorobiphenyl (S)	65	%	29-80		200	06/07/18 10:50	06/11/18 12:08	321-60-8	
Terphenyl-d14 (S)	52	%	10-123		200	06/07/18 10:50	06/11/18 12:08	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260									
Benzene	6170	ug/L	100	50.0	100		06/07/18 14:42	71-43-2	
Ethylbenzene	830	ug/L	100	50.0	100		06/07/18 14:42	100-41-4	
Toluene	3960	ug/L	100	50.0	100		06/07/18 14:42	108-88-3	
Xylene (Total)	1130	ug/L	300	150	100		06/07/18 14:42	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	107	%	70-130		100		06/07/18 14:42	1868-53-7	
Toluene-d8 (S)	100	%	70-130		100		06/07/18 14:42	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		100		06/07/18 14:42	460-00-4	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Sulfate	69.5	mg/L	15.0	5.0	5		06/15/18 17:42	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		06/14/18 09:15		

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QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

QC Batch: 291575 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

METHOD BLANK: 1705016 Matrix: Water
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<1.4	2.8	06/12/18 08:38	

LABORATORY CONTROL SAMPLE & LCSD: 1705017 1705018

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	28.2	28.1	99	98	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1705019 1705020

Parameter	Units	40170342007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	6220	1430	1430	12000	11900	407	401	44-167	1	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.

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QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

QC Batch: 291212 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

METHOD BLANK: 1702834 Matrix: Water
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.50	1.0	06/07/18 09:42	
Ethylbenzene	ug/L	<0.50	1.0	06/07/18 09:42	
Toluene	ug/L	<0.50	1.0	06/07/18 09:42	
Xylene (Total)	ug/L	<1.5	3.0	06/07/18 09:42	
4-Bromofluorobenzene (S)	%	99	70-130	06/07/18 09:42	
Dibromofluoromethane (S)	%	97	70-130	06/07/18 09:42	
Toluene-d8 (S)	%	98	70-130	06/07/18 09:42	

LABORATORY CONTROL SAMPLE: 1702835

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	47.2	94	69-137	
Ethylbenzene	ug/L	50	46.8	94	86-127	
Toluene	ug/L	50	45.2	90	84-124	
Xylene (Total)	ug/L	150	140	93	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1702836 1702837

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		40170342007 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
Benzene	ug/L	3550	1250	1250	5060	5190	121	131	66-143	2	20
Ethylbenzene	ug/L	311	1250	1250	1640	1640	106	106	81-136	0	20
Toluene	ug/L	14.9J	1250	1250	1260	1250	99	99	81-130	1	20
Xylene (Total)	ug/L	165	3750	3750	4070	4080	104	105	70-134	0	20
4-Bromofluorobenzene (S)	%						103	104	70-130		
Dibromofluoromethane (S)	%						110	105	70-130		
Toluene-d8 (S)	%						97	98	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

QC Batch: 291222 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

METHOD BLANK: 1702863 Matrix: Water
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	06/07/18 13:34	
2-Methylnaphthalene	ug/L	<0.0049	0.024	06/07/18 13:34	
Acenaphthene	ug/L	<0.0061	0.030	06/07/18 13:34	
Acenaphthylene	ug/L	<0.0050	0.025	06/07/18 13:34	
Anthracene	ug/L	<0.010	0.052	06/07/18 13:34	
Benzo(a)anthracene	ug/L	<0.0076	0.038	06/07/18 13:34	
Benzo(a)pyrene	ug/L	<0.011	0.053	06/07/18 13:34	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	06/07/18 13:34	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	06/07/18 13:34	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	06/07/18 13:34	
Chrysene	ug/L	<0.013	0.065	06/07/18 13:34	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	06/07/18 13:34	
Fluoranthene	ug/L	<0.011	0.053	06/07/18 13:34	
Fluorene	ug/L	<0.0080	0.040	06/07/18 13:34	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	06/07/18 13:34	
Naphthalene	ug/L	<0.018	0.092	06/07/18 13:34	
Phenanthrene	ug/L	<0.014	0.069	06/07/18 13:34	
Pyrene	ug/L	<0.0076	0.038	06/07/18 13:34	
Total PAHs	ug/L	0.0040		06/07/18 13:34	
2-Fluorobiphenyl (S)	%	60	29-80	06/07/18 13:34	
Terphenyl-d14 (S)	%	85	10-123	06/07/18 13:34	

LABORATORY CONTROL SAMPLE: 1702864

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.4	72	53-92	
2-Methylnaphthalene	ug/L	2	1.4	70	51-87	
Acenaphthene	ug/L	2	1.4	68	49-90	
Acenaphthylene	ug/L	2	1.3	65	50-84	
Anthracene	ug/L	2	1.6	82	49-109	
Benzo(a)anthracene	ug/L	2	1.4	72	42-97	
Benzo(a)pyrene	ug/L	2	1.8	88	61-106	
Benzo(b)fluoranthene	ug/L	2	1.7	84	51-95	
Benzo(g,h,i)perylene	ug/L	2	1.0	52	27-120	
Benzo(k)fluoranthene	ug/L	2	1.9	93	58-103	
Chrysene	ug/L	2	2.4	118	69-125	
Dibenz(a,h)anthracene	ug/L	2	0.89	45	21-120	
Fluoranthene	ug/L	2	1.9	95	68-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

LABORATORY CONTROL SAMPLE: 1702864

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/L	2	1.5	75	54-95	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	82	50-94	
Naphthalene	ug/L	2	1.3	65	46-78	
Phenanthrene	ug/L	2	1.6	80	51-95	
Pyrene	ug/L	2	1.9	95	66-106	
Total PAHs	ug/L		28.0			
2-Fluorobiphenyl (S)	%			63	29-80	
Terphenyl-d14 (S)	%			84	10-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1702865 1702866

Parameter	Units	1702865		1702866		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40170342007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
1-Methylnaphthalene	ug/L	179	2	2	153	131	-1310	-2390	38-92	15	24	M6
2-Methylnaphthalene	ug/L	140	2	2	120	104	-992	-1820	40-87	15	28	M6
Acenaphthene	ug/L	117	2	2	89.3	74.9	-1370	-2100	23-90	18	23	M6
Acenaphthylene	ug/L	1.3J	2	2	2.1J	2.0J	41	33	31-84		25	
Anthracene	ug/L	8.7	2	2	8.8	6.9	7	-87	16-111	24	27	M6
Benzo(a)anthracene	ug/L	<0.75	2	2	<0.76	<0.76	0	0	10-98		31	M6
Benzo(a)pyrene	ug/L	<1.0	2	2	<1.1	<1.1	0	0	10-106		29	M6
Benzo(b)fluoranthene	ug/L	<0.57	2	2	<0.57	<0.57	20	22	10-102		27	
Benzo(g,h,i)perylene	ug/L	<0.67	2	2	<0.68	<0.68	19	16	10-120		33	
Benzo(k)fluoranthene	ug/L	<0.75	2	2	<0.76	<0.76	0	0	10-107		28	M6
Chrysene	ug/L	<1.3	2	2	2.1J	2.0J	107	101	10-137		30	
Dibenz(a,h)anthracene	ug/L	<0.99	2	2	<1.0	<1.0	0	0	10-120		40	M6
Fluoranthene	ug/L	3.3J	2	2	3.4J	3.3J	4	-2	16-127		28	M6
Fluorene	ug/L	25.8	2	2	20.7	17.5	-253	-414	23-95	17	25	M6
Indeno(1,2,3-cd)pyrene	ug/L	<1.7	2	2	<1.8	<1.8	0	0	10-94		30	M6
Naphthalene	ug/L	1090	2	2	935	822	-7750	-13400	34-78	13	26	M6
Phenanthrene	ug/L	44.5	2	2	37.2	32.4	-366	-606	37-95	14	24	M6
Pyrene	ug/L	4.7	2	2	4.6	4.0	-7	-34	33-113	13	32	M6
Total PAHs	ug/L	1610			1380	1200					14	
2-Fluorobiphenyl (S)	%						52	42	29-80			
Terphenyl-d14 (S)	%						46	38	10-123			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

QC Batch: 291556 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

METHOD BLANK: 1704911 Matrix: Water
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	3.0	06/15/18 12:57	

LABORATORY CONTROL SAMPLE: 1704912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1704913 1704914

Parameter	Units	40170332001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	219	400	400	629	621	102	100	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1704915 1704916

Parameter	Units	40170342007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	<5.0	100	100	115	114	112	111	90-110	0	15 M0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

QC Batch: 291784 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

METHOD BLANK: 1706048 Matrix: Water
Associated Lab Samples: 40170342001, 40170342002, 40170342003, 40170342004, 40170342005, 40170342006, 40170342007, 40170342008, 40170342009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	06/14/18 08:58	

LABORATORY CONTROL SAMPLE: 1706049

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: 1706050 1706051

Parameter	Units	40170342007 Result	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.3	2.3	91	91	90-110	0	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1706052 1706053

Parameter	Units	40170610002 Result	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Nitrogen, NO2 plus NO3	mg/L	4.8	12.5	12.5	17.4	17.7	101	103	90-110	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

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 and percent moisture.
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
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.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 67971 CAMP MARINA
Pace Project No.: 40170342

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40170342001	060418001	EPA 8015B Modified	291575		
40170342002	060418002	EPA 8015B Modified	291575		
40170342003	060418003	EPA 8015B Modified	291575		
40170342004	060418004	EPA 8015B Modified	291575		
40170342005	060418005	EPA 8015B Modified	291575		
40170342006	060418006	EPA 8015B Modified	291575		
40170342007	060418007	EPA 8015B Modified	291575		
40170342008	060418008	EPA 8015B Modified	291575		
40170342009	060418009	EPA 8015B Modified	291575		
40170342001	060418001	EPA 3510	291222	EPA 8270 by HVI	291281
40170342002	060418002	EPA 3510	291222	EPA 8270 by HVI	291281
40170342003	060418003	EPA 3510	291222	EPA 8270 by HVI	291281
40170342004	060418004	EPA 3510	291222	EPA 8270 by HVI	291281
40170342005	060418005	EPA 3510	291222	EPA 8270 by HVI	291281
40170342006	060418006	EPA 3510	291222	EPA 8270 by HVI	291281
40170342007	060418007	EPA 3510	291222	EPA 8270 by HVI	291281
40170342008	060418008	EPA 3510	291222	EPA 8270 by HVI	291281
40170342009	060418009	EPA 3510	291222	EPA 8270 by HVI	291281
40170342001	060418001	EPA 8260	291212		
40170342002	060418002	EPA 8260	291212		
40170342003	060418003	EPA 8260	291212		
40170342004	060418004	EPA 8260	291212		
40170342005	060418005	EPA 8260	291212		
40170342006	060418006	EPA 8260	291212		
40170342007	060418007	EPA 8260	291212		
40170342008	060418008	EPA 8260	291212		
40170342009	060418009	EPA 8260	291212		
40170342001	060418001	EPA 300.0	291556		
40170342002	060418002	EPA 300.0	291556		
40170342003	060418003	EPA 300.0	291556		
40170342004	060418004	EPA 300.0	291556		
40170342005	060418005	EPA 300.0	291556		
40170342006	060418006	EPA 300.0	291556		
40170342007	060418007	EPA 300.0	291556		
40170342008	060418008	EPA 300.0	291556		
40170342009	060418009	EPA 300.0	291556		
40170342001	060418001	EPA 353.2	291784		
40170342002	060418002	EPA 353.2	291784		
40170342003	060418003	EPA 353.2	291784		
40170342004	060418004	EPA 353.2	291784		
40170342005	060418005	EPA 353.2	291784		
40170342006	060418006	EPA 353.2	291784		
40170342007	060418007	EPA 353.2	291784		
40170342008	060418008	EPA 353.2	291784		
40170342009	060418009	EPA 353.2	291784		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: OBG
 Branch/Location: Milwaukee, WI
 Project Contact: Andrew Course
 Phone: 208-981-2838
 Project Number: 67971
 Project Name: Campmarina
 Project State: WI
 Sampled By (Print): Melissa Marra
 Sampled By (Sign): *Miss Marra*
 PO #:
 Regulatory Program:

QC:



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40170342
 COC# 67971-0618-001

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:
 Mail To Contact: GDSdata@obg.com
 Mail To Company: OBG
 Mail To Address: 234 w. Florida St. 5th Floor Milwaukee, WI
 Invoice To Contact: Accounts Payable
 Invoice To Company: WEC Business Services LLC
 Invoice To Address: PO Box 19800 Green Bay, WI
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
001	060418001	6/4/18	1008	GW	N	B	BTEX (Total) 82608 Methane 8015B
002	060418002		1113		N	B	
003	060418003		1202				
004	060418004		1207				
005	060418005		1246				
006	060418006		1345				
007	060418007		1423				
008	060418008		1539				
009	060418009		1605				
010	060418010		1620	DI			
011	060418011			lab			

MILWAUKEE 6-5-18

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *Miss Marra* / OBG Date/Time: 6/5/18 1200
 Relinquished By: *CS Logistics* 6/6/18 0940
 Relinquished By:
 Relinquished By:
 Relinquished By:

Received By: Date/Time:
 Received By: *[Signature]* Date/Time: 6/6/18 0940
 Received By:
 Received By:
 Received By:

PACE Project No. 40170342
 Receipt Temp = 2, 3 °C
 Sample Receipt pH 6.7 Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

Custody Seals: 67971-001 3002

Carrier: Pace/CS Logistics

(Please Print Clearly)

Company Name: OBG
Branch/Location: Milwaukee, WI
Project Contact: Andrew Cause
Phone: 208-981-2834
Project Number: 67971
Project Name: Campmarina
Project State: WI
Sampled By (Print): Melissa Marra
Sampled By (Sign): *Melissa Marra*
PO #:
Regulatory Program:



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1
 40170342
 LOC# 67971-0618-002
 Page 24 of 26

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
 (YES/NO)
PRESERVATION
 (CODE)*

Y/N	N	N	N						
Pick Letter	A	C	A						
Analyses Requested	PAT 5 (8270 by HVI)	Nitrate + Nitrite (3.53.2)	sulfate (300.0)						

Quote #:
Mail To Contact: GDSdata@obg.com
Mail To Company: OBG
Mail To Address: 234 W. Florida St 5th Floor
 Milwaukee, WI
Invoice To Contact: Accounts Payable
Invoice To Company: WEC Business Services LLC
Invoice To Address: PO Box 19800
 Green Bay, WI
Invoice To Phone:
CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)
Profile #

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Blota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested	FILTERED?	PRESERVATION
		DATE	TIME						
001	060418001	6-4-18	1008	GW	X	X	X		
002	060418002		1113		X	X	X		
003	060418003		1202		X	X	X		
004	060418004		1207		X	X	X		
005	060418005		1246		X	X	X		
006	060418006		1345		X	X	X		
007	060418007		1423		X	X	X		
008	060418008		1539		X	X	X		
009	060418009		1605		X	X	X		

②
②
②
②
②
②
MS/MSD ②
②
Screen ②

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *Melissa Marra* OBG
Date/Time: 6/5/18 1200
Relinquished By: CS Logistics
Date/Time: 6/6/18 0940
Relinquished By:
Date/Time:
Relinquished By:
Date/Time:
Relinquished By:
Date/Time:

Received By:
Date/Time:
Received By: *[Signature]*
Date/Time: 6/6/18 0940
Received By:
Date/Time:
Received By:
Date/Time:
Received By:
Date/Time:

PACE Project No.
 40170342
Receipt Temp = 23 °C
Sample Receipt pH
 05/ Adjusted
Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

C019a(27Jun2006) Custody Seals: 67971-003 & 004

Courier: Pace/CS Logistics

Sample Preservation Receipt Form

Client Name: OBG

Project # 4017042

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

Initial when completed: [Signature] Date/Time:

Lab Lot# of pH paper: 1054771 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass						Plastic						Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)						
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU								WPFU	SP5T	ZPLC	GN		
001					2						1		1				6																		2.5 / 5 / 10
002					2						1		1				6																	2.5 / 5 / 10	
003					2						1		1				6																	2.5 / 5 / 10	
004					2						1		1				6																	2.5 / 5 / 10	
005					2						1		1				6																	2.5 / 5 / 10	
006					2						1		1				6																	2.5 / 5 / 10	
007					6						3		3				18																	2.5 / 5 / 10	
008					2						1		1				6																	2.5 / 5 / 10	
009					2						1		1				6																	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	

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, 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, Znact	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	BP3C	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:	



Document Name:
Sample Condition Upon Receipt (SCUR)
Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018
Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: OBG

Project #: **WO# : 40170342**

Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____



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 - 75 Type of Ice: Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature Uncorr: 2,3 / Corr: 2,3
 Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 6/6/18
 Initials: SS

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No Pott, invoice info, Quote #, SS 6/6/18</u>
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	6.
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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No <input 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: 6-7-18



Wisconsin Public Service Corporation

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

www.wisconsinpublicservice.com

August 24, 2018

Mr. Pablo Valentín
Remedial Project Manager
United States Environmental Protection Agency
77 W. Jackson Boulevard
Chicago, Illinois 60604-3590

**RE: July 2018 Monthly Progress Report
Campmarina Former Manufactured Gas Plant
Sheboygan, Wisconsin
Wisconsin Public Services Corporation
CERCLA Docket No. V-W-07-C-862, CERCLIS ID – WIN000510058**

Dear Mr. Valentín:

Wisconsin Public Services Corporation (WPSC) is providing this monthly progress report for the WPSC Former Campmarina Manufactured Gas Plant (MGP) Site.

1) PROGRESS MADE DURING THE PAST MONTH

- Prepared and submitted June 2018 Monthly Progress Report to United States Environmental Protection Agency (USEPA) by July 26, 2018.

2) ANALYTICAL AND OTHER TESTING RESULTS RECEIVED

- None

3) PROJECTED WORK

WPSC Actions

- Submit monthly progress report to USEPA by the 26th of the month.

USEPA Actions

- USEPA review of the Sheboygan-Campmarina River Operable Unit Five-Year Review Data Summary Technical Memorandum.

4) PROBLEMS OR POTENTIAL PROBLEMS ENCOUNTERED

- None

5) ACTUAL OR PLANNED RESOLUTION OF PROBLEMS OR POTENTIAL PROBLEMS

- None

Wisconsin Public Service Corporation | A subsidiary of the WEC Energy Group

If you have any questions, please don't hesitate to contact me at (920) 433-2643 or brian.bartoszek@wecenergygroup.com.

Sincerely,

A handwritten signature in black ink, appearing to be 'BBA' with a long horizontal line extending to the right.

Brian F. Bartoszek, P.E.
Manager – Remediation

Enclosures: None

For distribution to: Mr. Pablo Valentín, USEPA (email)
 Mr. John Feeney, WDNR (US Mail and email)