LETTER OF TRANSMITTAL

Ramboll Americas Engineering Solutions, Inc.
234 West Florida Street, 5th Floor, Milwaukee, WI 53204

To: Mr. John Feeney
WDNR – Plymouth Service Center
1155 Pilgrim Road
Plymouth, WI 53073

Date: June 13, 2024 **Proj. No:** 1690004812
RE: BRRTS No. 02-46-248387
Former HVC, Inc. – Fredonia, Wisconsin

WE ARE SENDING YOU:

☒ Enclosed ☐ Under separate cover via _____the following items:

☒ Data ☐ Technical Paper ☐ Prints ☐ Plans
☐ Copy of Letter ☐ Samples ☐ Specifications ☐ Reports

COPIES	TYPE	DESCRIPTION
1	Electronic	Sample results from the groundwater monitoring well sampling activities completed at the site May 15 through 17, 2024.

THESE ARE TRANSMITTED AS CHECKED BELOW:

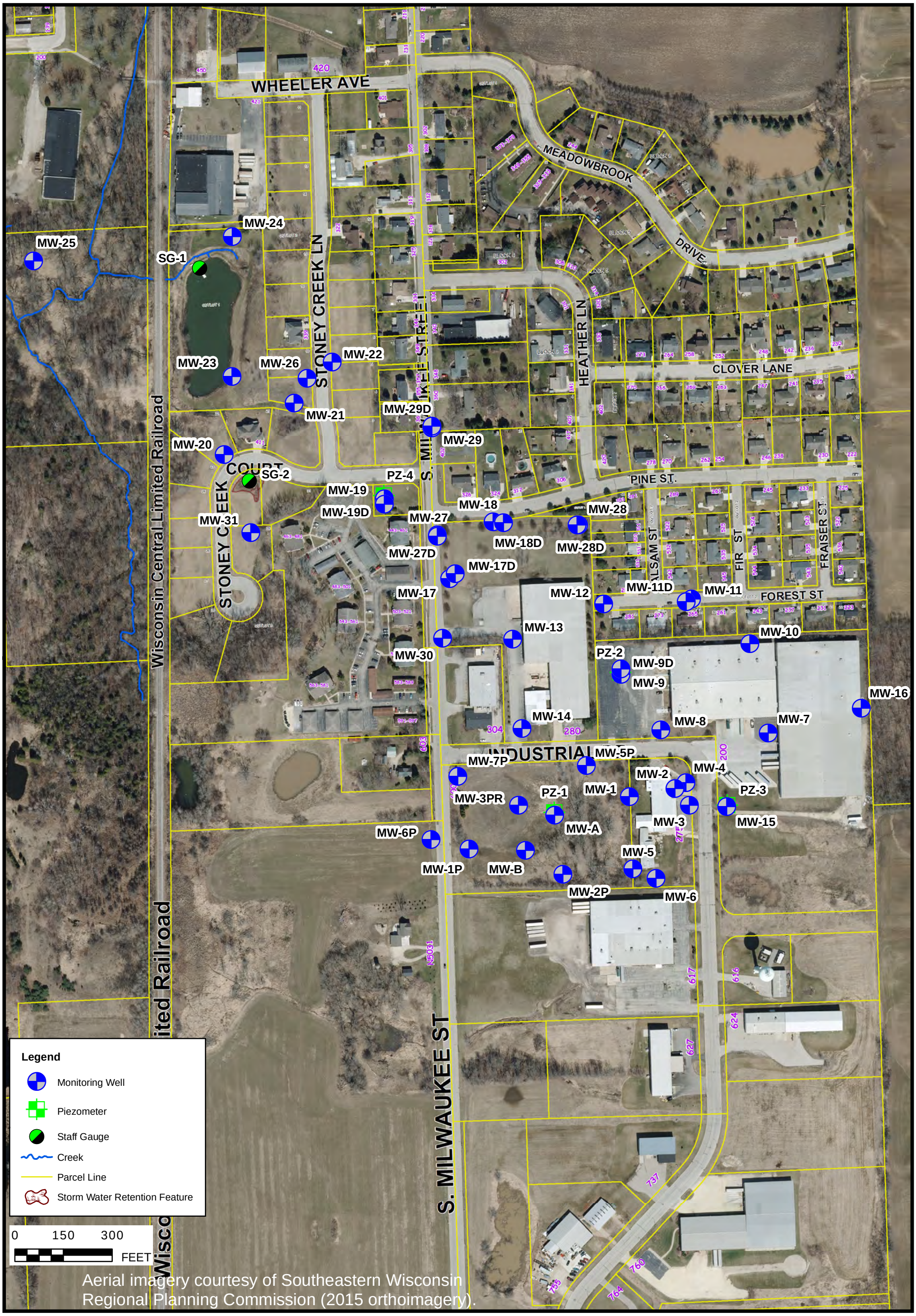
☐ For approval ☐ Approved as submitted ☐ Resubmit____copies for approval
☒ For your use ☐ Approved as noted ☐ Submit____copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return____corrected prints
☐ For Review and Comment

REMARKS:

COPY TO:

FROM: Scott Tarmann, PE

If enclosures are not as noted, please notify us immediately.



RAMBOLL

DRAFTED BY: TLB

DATE: 12/4/2020

GROUNDWATER MONITORING WELL LOCATIONS

FORMER HVC, INC.

FREDONIA, WISCONSIN

N

FIGURE

1

1690004812

M:\Client Project Files\21-34158A_Phillips-Medisize Env Oversight Services\GIS\MXD\Off Site GW Investigation\Figure 1_Groundwater Treatment Performance Monitoring Well Locations_20201204.mxd

May 2024 Groundwater Analytical Results
Former HVC, Inc.
Fredonia, Wisconsin

	Analyte	1,1,1-Trichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Trichloroethene	1,1,2-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	Tetrachloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
	NR140 PAL	40	0.7	7	0.5	0.5	85	0.5	0.5	20	0.02
	NR140 ES	200	7	70	5	5	850	5	5	100	0.2
Sample Location	**Sample Date**	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)
MW-1	5/16/2024	<1.5	<2.9	*9.9*	**312**	<1.7	<1.5	<1.5	<2.0	3.6 J	<0.87
MW-2	5/16/2024	<6.1	<11.6	*24.2*	**1,490**	<6.9	<5.9	<5.8	<8.2	<10.6	<3.5
MW-4	5/16/2024	<0.30	<0.58	<0.47	*2.7*	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
MW-8	5/16/2024	<3.0	<5.8	<4.7	**428**	<3.4	<3.0	<2.9	<4.1	<5.3	<1.7
MW-15	5/16/2024	0.52 J	*0.74 J*	*37.2*	**178**	<0.34	0.90 J	<0.29	<0.41	<0.53	**19.2**
MW-17	5/15/2024	<0.30	<0.58	<0.47	<0.32	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
MW-17D	5/15/2024	<0.30	<0.58	<0.47	0.37 J	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
MW-18D	5/15/2024	<0.30	<0.58	<0.47	<0.32	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
MW-23	5/15/2024	<0.30	<0.58	<0.47	*1.1*	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
MW-26	5/15/2024	<0.30	<0.58	<0.47	**6.9**	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
MW-27	5/17/2024	<0.30	<0.58	<0.47	**22.0**	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
MW-27D	5/17/2024	<15.1	<29.1	<23.6	**4,760**	<17.2	<14.8	<14.6	<20.4	<26.4	<8.7
MW-30	5/15/2024	<0.30	<0.58	<0.47	<0.32	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
MW-31	5/15/2024	<0.30	<0.58	<0.47	**15.5**	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
MW-A	5/17/2024	<0.30	*1.3*	*9.2*	**285**	<0.34	0.73 J	<0.29	<0.41	10.9	**0.67 J**
PZ-1	5/17/2024	<0.30	<0.58	<0.47	*0.83 J*	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17
PZ-3	5/16/2024	<0.30	<0.58	<0.47	*0.70 J*	<0.34	<0.30	<0.29	<0.41	<0.53	**0.31 J**
PZ-4	5/15/2024	<0.30	<0.58	<0.47	<0.32	<0.34	<0.30	<0.29	<0.41	<0.53	<0.17

Notes:
All concentrations reported in micrograms per liter (µg/L).
J or Ja = Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
All samples were submitted for analysis by Method SW 8260B.
Values shown in *italics* exceed the NR140 Preventive action limit (PAL).
Values shown in **bold** exceed the NR140 Enforcement standard (ES).
Analytical results compared to the WDNR NR 140 groundwater quality standards published February 2017.

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

May 30, 2024

Scott Tarmann
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Dear Scott Tarmann:

Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,

Steven Mleczko
steve.mleczko@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Duncan Glasford, Ramboll US Consulting, Inc.
Kyle Heimstead, Ramboll US Consulting, Inc.
Michelle Peters, Ramboll

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Pace Analytical Services Green Bay
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
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

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SAMPLE SUMMARY

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40278468001	**MW-18D**	Water	05/15/24 09:15	05/18/24 08:55
40278468002	**MW-17**	Water	05/15/24 10:15	05/18/24 08:55
40278468003	**MW-17D**	Water	05/15/24 11:00	05/18/24 08:55
40278468004	**PZ-4**	Water	05/15/24 12:05	05/18/24 08:55
40278468005	**PZ-4 DUP**	Water	05/15/24 12:05	05/18/24 08:55
40278468006	**MW-23**	Water	05/15/24 13:00	05/18/24 08:55
40278468007	**MW-31**	Water	05/15/24 13:40	05/18/24 08:55
40278468008	**MW-26**	Water	05/15/24 14:30	05/18/24 08:55
40278468009	**MW-30**	Water	05/15/24 15:30	05/18/24 08:55
40278468010	**EB-01**	Water	05/15/24 16:00	05/18/24 08:55
40278468011	**PZ-3**	Water	05/16/24 08:05	05/18/24 08:55
40278468012	**MW-15**	Water	05/16/24 08:55	05/18/24 08:55
40278468013	**MW-1**	Water	05/16/24 10:45	05/18/24 08:55
40278468014	**MW-8**	Water	05/16/24 11:40	05/18/24 08:55
40278468015	**MW-4**	Water	05/16/24 12:40	05/18/24 08:55
40278468016	**MW-2**	Water	05/16/24 13:40	05/18/24 08:55
40278468017	**EB-01**	Water	05/16/24 14:30	05/18/24 08:55
40278468018	**PZ-1**	Water	05/17/24 08:50	05/18/24 08:55
40278468019	**MW-A**	Water	05/17/24 09:40	05/18/24 08:55
40278468020	**MW-27**	Water	05/17/24 10:40	05/18/24 08:55
40278468021	**MW-27 DUP**	Water	05/17/24 10:40	05/18/24 08:55
40278468022	**MW-27D**	Water	05/17/24 11:30	05/18/24 08:55
40278468023	**EB-01**	Water	05/17/24 12:00	05/18/24 08:55
40278468024	**TRIP BLANK**	Water	05/17/24 00:00	05/18/24 08:55

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SAMPLE ANALYTE COUNT

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40278468001	**MW-18D**	EPA 8260	CXJ	13	PASI-G
40278468002	**MW-17**	EPA 8260	CXJ	13	PASI-G
40278468003	**MW-17D**	EPA 8260	CXJ	13	PASI-G
40278468004	**PZ-4**	EPA 8260	CXJ	13	PASI-G
40278468005	**PZ-4 DUP**	EPA 8260	CXJ	13	PASI-G
40278468006	**MW-23**	EPA 8260	CXJ	13	PASI-G
40278468007	**MW-31**	EPA 8260	CXJ	13	PASI-G
40278468008	**MW-26**	EPA 8260	CXJ	13	PASI-G
40278468009	**MW-30**	EPA 8260	CXJ	13	PASI-G
40278468010	**EB-01**	EPA 8260	CXJ	13	PASI-G
40278468011	**PZ-3**	EPA 8260	CXJ	13	PASI-G
40278468012	**MW-15**	EPA 8260	CXJ	13	PASI-G
40278468013	**MW-1**	EPA 8260	CXJ	13	PASI-G
40278468014	**MW-8**	EPA 8260	CXJ	13	PASI-G
40278468015	**MW-4**	EPA 8260	CXJ	13	PASI-G
40278468016	**MW-2**	EPA 8260	CXJ	13	PASI-G
40278468017	**EB-01**	EPA 8260	CXJ	13	PASI-G
40278468018	**PZ-1**	EPA 8260	CXJ	13	PASI-G
40278468019	**MW-A**	EPA 8260	CXJ	13	PASI-G
40278468020	**MW-27**	EPA 8260	CXJ	13	PASI-G
40278468021	**MW-27 DUP**	EPA 8260	CXJ	13	PASI-G
40278468022	**MW-27D**	EPA 8260	CXJ	13	PASI-G
40278468023	**EB-01**	EPA 8260	CXJ	13	PASI-G
40278468024	**TRIP BLANK**	EPA 8260	CXJ	13	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40278468003	**MW-17D**					
EPA 8260	Trichloroethene	0.37J	ug/L	1.0	05/20/24 18:30	
40278468006	**MW-23**					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	05/20/24 19:24	
40278468007	**MW-31**					
EPA 8260	Trichloroethene	15.5	ug/L	1.0	05/20/24 21:47	
40278468008	**MW-26**					
EPA 8260	Trichloroethene	6.9	ug/L	1.0	05/20/24 22:05	
40278468011	**PZ-3**					
EPA 8260	Trichloroethene	0.70J	ug/L	1.0	05/20/24 20:00	
EPA 8260	Vinyl chloride	0.31J	ug/L	1.0	05/20/24 20:00	
40278468012	**MW-15**					
EPA 8260	1,1-Dichloroethane	0.90J	ug/L	1.0	05/20/24 22:41	
EPA 8260	1,1-Dichloroethene	0.74J	ug/L	1.0	05/20/24 22:41	
EPA 8260	cis-1,2-Dichloroethene	37.2	ug/L	1.0	05/20/24 22:41	
EPA 8260	1,1,1-Trichloroethane	0.52J	ug/L	1.0	05/20/24 22:41	
EPA 8260	Trichloroethene	178	ug/L	1.0	05/20/24 22:41	
EPA 8260	Vinyl chloride	19.2	ug/L	1.0	05/20/24 22:41	
40278468013	**MW-1**					
EPA 8260	cis-1,2-Dichloroethene	9.9	ug/L	5.0	05/20/24 23:53	
EPA 8260	trans-1,2-Dichloroethene	3.6J	ug/L	5.0	05/20/24 23:53	
EPA 8260	Trichloroethene	312	ug/L	5.0	05/20/24 23:53	
40278468014	**MW-8**					
EPA 8260	Trichloroethene	428	ug/L	10.0	05/20/24 23:35	
40278468015	**MW-4**					
EPA 8260	Trichloroethene	2.7	ug/L	1.0	05/20/24 20:18	
40278468016	**MW-2**					
EPA 8260	cis-1,2-Dichloroethene	24.2	ug/L	20.0	05/20/24 23:17	
EPA 8260	Trichloroethene	1490	ug/L	20.0	05/20/24 23:17	
40278468018	**PZ-1**					
EPA 8260	Trichloroethene	0.83J	ug/L	1.0	05/20/24 20:53	
40278468019	**MW-A**					
EPA 8260	1,1-Dichloroethane	0.73J	ug/L	1.0	05/21/24 08:33	
EPA 8260	1,1-Dichloroethene	1.3	ug/L	1.0	05/21/24 08:33	
EPA 8260	cis-1,2-Dichloroethene	9.2	ug/L	1.0	05/21/24 08:33	
EPA 8260	trans-1,2-Dichloroethene	10.9	ug/L	1.0	05/21/24 08:33	
EPA 8260	Trichloroethene	285	ug/L	1.0	05/21/24 08:33	
EPA 8260	Vinyl chloride	0.67J	ug/L	1.0	05/21/24 08:33	
40278468020	**MW-27**					
EPA 8260	Trichloroethene	22.0	ug/L	1.0	05/20/24 22:59	

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SUMMARY OF DETECTION

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40278468021	**MW-27 DUP**					
EPA 8260	Trichloroethene	23.4	ug/L	1.0	05/28/24 13:37	
40278468022	**MW-27D**					
EPA 8260	Trichloroethene	4760	ug/L	50.0	05/28/24 17:43	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-18D **Lab ID: 40278468001** Collected: 05/15/24 09:15 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 21:11	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 21:11	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 21:11	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 21:11	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 21:11	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 21:11	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 21:11	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 21:11	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/20/24 21:11	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 21:11	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/20/24 21:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/20/24 21:11	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		05/20/24 21:11	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-17 **Lab ID: 40278468002** Collected: 05/15/24 10:15 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 21:29	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 21:29	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 21:29	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 21:29	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 21:29	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 21:29	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 21:29	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 21:29	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/20/24 21:29	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 21:29	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/20/24 21:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		05/20/24 21:29	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		05/20/24 21:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-17D **Lab ID: 40278468003** Collected: 05/15/24 11:00 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 18:30	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 18:30	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 18:30	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 18:30	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 18:30	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 18:30	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 18:30	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 18:30	79-00-5	
Trichloroethene	**0.37J**	ug/L	1.0	0.32	1		05/20/24 18:30	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 18:30	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/20/24 18:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/20/24 18:30	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		05/20/24 18:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: PZ-4 **Lab ID: 40278468004** Collected: 05/15/24 12:05 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 18:48	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 18:48	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 18:48	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 18:48	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 18:48	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 18:48	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 18:48	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 18:48	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/20/24 18:48	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 18:48	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		05/20/24 18:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/20/24 18:48	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		05/20/24 18:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: PZ-4 DUP **Lab ID: 40278468005** Collected: 05/15/24 12:05 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 19:06	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 19:06	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 19:06	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 19:06	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 19:06	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 19:06	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 19:06	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 19:06	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/20/24 19:06	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 19:06	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/20/24 19:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/20/24 19:06	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/20/24 19:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-23 **Lab ID: 40278468006** Collected: 05/15/24 13:00 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 19:24	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 19:24	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 19:24	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 19:24	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 19:24	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 19:24	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 19:24	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 19:24	79-00-5	
Trichloroethene	**1.1**	ug/L	1.0	0.32	1		05/20/24 19:24	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 19:24	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/20/24 19:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/20/24 19:24	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		05/20/24 19:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-31 **Lab ID: 40278468007** Collected: 05/15/24 13:40 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 21:47	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 21:47	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 21:47	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 21:47	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 21:47	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 21:47	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 21:47	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 21:47	79-00-5	
Trichloroethene	**15.5**	ug/L	1.0	0.32	1		05/20/24 21:47	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 21:47	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/20/24 21:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/20/24 21:47	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		05/20/24 21:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-26 **Lab ID: 40278468008** Collected: 05/15/24 14:30 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 22:05	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 22:05	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 22:05	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 22:05	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 22:05	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 22:05	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 22:05	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 22:05	79-00-5	
Trichloroethene	**6.9**	ug/L	1.0	0.32	1		05/20/24 22:05	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 22:05	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		05/20/24 22:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		05/20/24 22:05	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/20/24 22:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-30 **Lab ID: 40278468009** Collected: 05/15/24 15:30 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 22:23	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 22:23	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 22:23	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 22:23	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 22:23	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 22:23	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 22:23	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 22:23	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/20/24 22:23	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 22:23	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		05/20/24 22:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		05/20/24 22:23	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		05/20/24 22:23	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: EB-01 **Lab ID: 40278468010** Collected: 05/15/24 16:00 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 19:42	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 19:42	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 19:42	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 19:42	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 19:42	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 19:42	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 19:42	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 19:42	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/20/24 19:42	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 19:42	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/20/24 19:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		05/20/24 19:42	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/20/24 19:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: PZ-3 **Lab ID: 40278468011** Collected: 05/16/24 08:05 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 20:00	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 20:00	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 20:00	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 20:00	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 20:00	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 20:00	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 20:00	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 20:00	79-00-5	
Trichloroethene	**0.70J**	ug/L	1.0	0.32	1		05/20/24 20:00	79-01-6	
Vinyl chloride	**0.31J**	ug/L	1.0	0.17	1		05/20/24 20:00	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/20/24 20:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/20/24 20:00	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/20/24 20:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-15 **Lab ID: 40278468012** Collected: 05/16/24 08:55 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**0.90J**	ug/L	1.0	0.30	1		05/20/24 22:41	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 22:41	107-06-2	
1,1-Dichloroethene	**0.74J**	ug/L	1.0	0.58	1		05/20/24 22:41	75-35-4	
cis-1,2-Dichloroethene	**37.2**	ug/L	1.0	0.47	1		05/20/24 22:41	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 22:41	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 22:41	127-18-4	
1,1,1-Trichloroethane	**0.52J**	ug/L	1.0	0.30	1		05/20/24 22:41	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 22:41	79-00-5	
Trichloroethene	**178**	ug/L	1.0	0.32	1		05/20/24 22:41	79-01-6	
Vinyl chloride	**19.2**	ug/L	1.0	0.17	1		05/20/24 22:41	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/20/24 22:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/20/24 22:41	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		05/20/24 22:41	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-1 **Lab ID: 40278468013** Collected: 05/16/24 10:45 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		05/20/24 23:53	75-34-3	
1,2-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		05/20/24 23:53	107-06-2	
1,1-Dichloroethene	**<2.9**	ug/L	5.0	2.9	5		05/20/24 23:53	75-35-4	
cis-1,2-Dichloroethene	**9.9**	ug/L	5.0	2.4	5		05/20/24 23:53	156-59-2	
trans-1,2-Dichloroethene	**3.6J**	ug/L	5.0	2.6	5		05/20/24 23:53	156-60-5	
Tetrachloroethene	**<2.0**	ug/L	5.0	2.0	5		05/20/24 23:53	127-18-4	
1,1,1-Trichloroethane	**<1.5**	ug/L	5.0	1.5	5		05/20/24 23:53	71-55-6	
1,1,2-Trichloroethane	**<1.7**	ug/L	5.0	1.7	5		05/20/24 23:53	79-00-5	
Trichloroethene	**312**	ug/L	5.0	1.6	5		05/20/24 23:53	79-01-6	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		05/20/24 23:53	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		5		05/20/24 23:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		5		05/20/24 23:53	2199-69-1	
Toluene-d8 (S)	105	%	70-130		5		05/20/24 23:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-8 **Lab ID: 40278468014** Collected: 05/16/24 11:40 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<3.0**	ug/L	10.0	3.0	10		05/20/24 23:35	75-34-3	
1,2-Dichloroethane	**<2.9**	ug/L	10.0	2.9	10		05/20/24 23:35	107-06-2	
1,1-Dichloroethene	**<5.8**	ug/L	10.0	5.8	10		05/20/24 23:35	75-35-4	
cis-1,2-Dichloroethene	**<4.7**	ug/L	10.0	4.7	10		05/20/24 23:35	156-59-2	
trans-1,2-Dichloroethene	**<5.3**	ug/L	10.0	5.3	10		05/20/24 23:35	156-60-5	
Tetrachloroethene	**<4.1**	ug/L	10.0	4.1	10		05/20/24 23:35	127-18-4	
1,1,1-Trichloroethane	**<3.0**	ug/L	10.0	3.0	10		05/20/24 23:35	71-55-6	
1,1,2-Trichloroethane	**<3.4**	ug/L	10.0	3.4	10		05/20/24 23:35	79-00-5	
Trichloroethene	**428**	ug/L	10.0	3.2	10		05/20/24 23:35	79-01-6	
Vinyl chloride	**<1.7**	ug/L	10.0	1.7	10		05/20/24 23:35	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-130		10		05/20/24 23:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		10		05/20/24 23:35	2199-69-1	
Toluene-d8 (S)	105	%	70-130		10		05/20/24 23:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-4 **Lab ID: 40278468015** Collected: 05/16/24 12:40 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 20:18	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 20:18	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 20:18	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 20:18	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 20:18	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 20:18	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 20:18	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 20:18	79-00-5	
Trichloroethene	**2.7**	ug/L	1.0	0.32	1		05/20/24 20:18	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 20:18	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/20/24 20:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		05/20/24 20:18	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		05/20/24 20:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-2 **Lab ID: 40278468016** Collected: 05/16/24 13:40 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<5.9**	ug/L	20.0	5.9	20		05/20/24 23:17	75-34-3	
1,2-Dichloroethane	**<5.8**	ug/L	20.0	5.8	20		05/20/24 23:17	107-06-2	
1,1-Dichloroethene	**<11.6**	ug/L	20.0	11.6	20		05/20/24 23:17	75-35-4	
cis-1,2-Dichloroethene	**24.2**	ug/L	20.0	9.4	20		05/20/24 23:17	156-59-2	
trans-1,2-Dichloroethene	**<10.6**	ug/L	20.0	10.6	20		05/20/24 23:17	156-60-5	
Tetrachloroethene	**<8.2**	ug/L	20.0	8.2	20		05/20/24 23:17	127-18-4	
1,1,1-Trichloroethane	**<6.1**	ug/L	20.0	6.1	20		05/20/24 23:17	71-55-6	
1,1,2-Trichloroethane	**<6.9**	ug/L	20.0	6.9	20		05/20/24 23:17	79-00-5	
Trichloroethene	**1490**	ug/L	20.0	6.4	20		05/20/24 23:17	79-01-6	
Vinyl chloride	**<3.5**	ug/L	20.0	3.5	20		05/20/24 23:17	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		20		05/20/24 23:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		20		05/20/24 23:17	2199-69-1	
Toluene-d8 (S)	104	%	70-130		20		05/20/24 23:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: EB-01 **Lab ID: 40278468017** Collected: 05/16/24 14:30 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 20:36	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 20:36	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 20:36	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 20:36	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 20:36	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 20:36	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 20:36	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 20:36	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/20/24 20:36	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 20:36	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		05/20/24 20:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/20/24 20:36	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/20/24 20:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: PZ-1 **Lab ID: 40278468018** Collected: 05/17/24 08:50 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 20:53	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 20:53	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 20:53	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 20:53	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 20:53	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 20:53	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 20:53	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 20:53	79-00-5	
Trichloroethene	**0.83J**	ug/L	1.0	0.32	1		05/20/24 20:53	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 20:53	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/20/24 20:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		05/20/24 20:53	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/20/24 20:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-A **Lab ID: 40278468019** Collected: 05/17/24 09:40 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**0.73J**	ug/L	1.0	0.30	1		05/21/24 08:33	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/21/24 08:33	107-06-2	
1,1-Dichloroethene	**1.3**	ug/L	1.0	0.58	1		05/21/24 08:33	75-35-4	
cis-1,2-Dichloroethene	**9.2**	ug/L	1.0	0.47	1		05/21/24 08:33	156-59-2	
trans-1,2-Dichloroethene	**10.9**	ug/L	1.0	0.53	1		05/21/24 08:33	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/21/24 08:33	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/21/24 08:33	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/21/24 08:33	79-00-5	
Trichloroethene	**285**	ug/L	1.0	0.32	1		05/21/24 08:33	79-01-6	
Vinyl chloride	**0.67J**	ug/L	1.0	0.17	1		05/21/24 08:33	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		05/21/24 08:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		05/21/24 08:33	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		05/21/24 08:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-27 **Lab ID: 40278468020** Collected: 05/17/24 10:40 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 22:59	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/20/24 22:59	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/20/24 22:59	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/20/24 22:59	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/20/24 22:59	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/20/24 22:59	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/20/24 22:59	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/20/24 22:59	79-00-5	
Trichloroethene	**22.0**	ug/L	1.0	0.32	1		05/20/24 22:59	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/20/24 22:59	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		05/20/24 22:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		05/20/24 22:59	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		05/20/24 22:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-27 DUP **Lab ID: 40278468021** Collected: 05/17/24 10:40 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/28/24 13:37	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/28/24 13:37	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/28/24 13:37	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/28/24 13:37	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/28/24 13:37	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/28/24 13:37	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/28/24 13:37	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/28/24 13:37	79-00-5	
Trichloroethene	**23.4**	ug/L	1.0	0.32	1		05/28/24 13:37	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/24 13:37	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		05/28/24 13:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		05/28/24 13:37	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/28/24 13:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: MW-27D **Lab ID: 40278468022** Collected: 05/17/24 11:30 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<14.8**	ug/L	50.0	14.8	50		05/28/24 17:43	75-34-3	
1,2-Dichloroethane	**<14.6**	ug/L	50.0	14.6	50		05/28/24 17:43	107-06-2	
1,1-Dichloroethene	**<29.1**	ug/L	50.0	29.1	50		05/28/24 17:43	75-35-4	
cis-1,2-Dichloroethene	**<23.6**	ug/L	50.0	23.6	50		05/28/24 17:43	156-59-2	
trans-1,2-Dichloroethene	**<26.4**	ug/L	50.0	26.4	50		05/28/24 17:43	156-60-5	
Tetrachloroethene	**<20.4**	ug/L	50.0	20.4	50		05/28/24 17:43	127-18-4	
1,1,1-Trichloroethane	**<15.1**	ug/L	50.0	15.1	50		05/28/24 17:43	71-55-6	
1,1,2-Trichloroethane	**<17.2**	ug/L	50.0	17.2	50		05/28/24 17:43	79-00-5	
Trichloroethene	**4760**	ug/L	50.0	16.0	50		05/28/24 17:43	79-01-6	
Vinyl chloride	**<8.7**	ug/L	50.0	8.7	50		05/28/24 17:43	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		50		05/28/24 17:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		50		05/28/24 17:43	2199-69-1	
Toluene-d8 (S)	103	%	70-130		50		05/28/24 17:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: EB-01 **Lab ID: 40278468023** Collected: 05/17/24 12:00 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/28/24 12:25	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/28/24 12:25	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/28/24 12:25	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/28/24 12:25	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/28/24 12:25	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/28/24 12:25	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/28/24 12:25	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/28/24 12:25	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/28/24 12:25	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/24 12:25	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		05/28/24 12:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		05/28/24 12:25	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/28/24 12:25	2037-26-5	

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Sample: TRIP BLANK **Lab ID: 40278468024** Collected: 05/17/24 00:00 Received: 05/18/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/28/24 11:49	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/28/24 11:49	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/28/24 11:49	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/28/24 11:49	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/28/24 11:49	156-60-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/28/24 11:49	127-18-4	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/28/24 11:49	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		05/28/24 11:49	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/28/24 11:49	79-01-6	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/28/24 11:49	75-01-4	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/28/24 11:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/28/24 11:49	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/28/24 11:49	2037-26-5	

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QUALITY CONTROL DATA

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

QC Batch: 474766
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40278468001, 40278468002, 40278468003, 40278468004, 40278468005, 40278468006, 40278468007, 40278468008, 40278468009, 40278468010, 40278468011, 40278468012, 40278468013, 40278468014, 40278468015, 40278468016, 40278468017, 40278468018, 40278468019, 40278468020

METHOD BLANK: 2719272
Matrix: Water

Associated Lab Samples: 40278468001, 40278468002, 40278468003, 40278468004, 40278468005, 40278468006, 40278468007, 40278468008, 40278468009, 40278468010, 40278468011, 40278468012, 40278468013, 40278468014, 40278468015, 40278468016, 40278468017, 40278468018, 40278468019, 40278468020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/20/24 17:01	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	05/20/24 17:01	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/20/24 17:01	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/20/24 17:01	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/20/24 17:01	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/20/24 17:01	
Tetrachloroethene	ug/L	<0.41	1.0	05/20/24 17:01	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/20/24 17:01	
Trichloroethene	ug/L	<0.32	1.0	05/20/24 17:01	
Vinyl chloride	ug/L	<0.17	1.0	05/20/24 17:01	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130	05/20/24 17:01	
4-Bromofluorobenzene (S)	%	104	70-130	05/20/24 17:01	
Toluene-d8 (S)	%	103	70-130	05/20/24 17:01	

LABORATORY CONTROL SAMPLE: 2719273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.0	108	70-132	
1,1,2-Trichloroethane	ug/L	50	50.7	101	70-130	
1,1-Dichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethene	ug/L	50	46.1	92	73-140	
1,2-Dichloroethane	ug/L	50	52.7	105	70-130	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	70-130	
Tetrachloroethene	ug/L	50	53.0	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.4	95	70-131	
Trichloroethene	ug/L	50	51.6	103	70-130	
Vinyl chloride	ug/L	50	50.2	100	51-145	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2719274 2719275

Parameter	Units	40278468003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.3	52.0	105	104	70-132	1	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	48.8	47.7	98	95	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	49.2	49.0	98	98	70-131	1	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	45.9	45.2	92	90	69-146	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	51.1	51.9	102	104	70-130	2	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	47.6	48.4	95	97	70-130	2	20	
Tetrachloroethene	ug/L	<0.41	50	50	40.3	40.8	81	82	70-131	1	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	45.0	47.8	90	96	70-135	6	20	
Trichloroethene	ug/L	0.37J	50	50	46.3	45.3	92	90	70-130	2	20	
Vinyl chloride	ug/L	<0.17	50	50	51.3	51.1	103	102	45-147	1	20	
1,2-Dichlorobenzene-d4 (S)	%						99	99	70-130			
4-Bromofluorobenzene (S)	%						106	105	70-130			
Toluene-d8 (S)	%						101	101	70-130			

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QUALITY CONTROL DATA

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

QC Batch: 475027
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40278468021, 40278468022, 40278468023, 40278468024

METHOD BLANK: 2720728
Matrix: Water
Associated Lab Samples: 40278468021, 40278468022, 40278468023, 40278468024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/28/24 09:44	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	05/28/24 09:44	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/28/24 09:44	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/28/24 09:44	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/28/24 09:44	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/28/24 09:44	
Tetrachloroethene	ug/L	<0.41	1.0	05/28/24 09:44	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/28/24 09:44	
Trichloroethene	ug/L	<0.32	1.0	05/28/24 09:44	
Vinyl chloride	ug/L	<0.17	1.0	05/28/24 09:44	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	05/28/24 09:44	
4-Bromofluorobenzene (S)	%	105	70-130	05/28/24 09:44	
Toluene-d8 (S)	%	105	70-130	05/28/24 09:44	

LABORATORY CONTROL SAMPLE: 2720729

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.9	102	70-132	
1,1,2-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethane	ug/L	50	48.6	97	70-130	
1,1-Dichloroethene	ug/L	50	45.0	90	73-140	
1,2-Dichloroethane	ug/L	50	54.7	109	70-130	
cis-1,2-Dichloroethene	ug/L	50	46.9	94	70-130	
Tetrachloroethene	ug/L	50	52.1	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	52.0	104	70-131	
Trichloroethene	ug/L	50	50.5	101	70-130	
Vinyl chloride	ug/L	50	45.0	90	51-145	
1,2-Dichlorobenzene-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2720730 2720731

Parameter	Units	40278574001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<7.6	1250	1250	1290	1310	103	105	70-132	1	20	
1,1,2-Trichloroethane	ug/L	<8.6	1250	1250	1340	1330	107	107	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2720730 2720731

Parameter	Units	40278574001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethane	ug/L	<7.4	1250	1250	1270	1290	102	103	70-131	1	20	
1,1-Dichloroethene	ug/L	<14.6	1250	1250	1160	1170	93	93	69-146	1	20	
1,2-Dichloroethane	ug/L	<7.3	1250	1250	1510	1450	121	116	70-130	4	20	
cis-1,2-Dichloroethene	ug/L	<11.8	1250	1250	1220	1220	98	98	70-130	0	20	
Tetrachloroethene	ug/L	<10.2	1250	1250	1360	1320	109	106	70-131	3	20	
trans-1,2-Dichloroethene	ug/L	<13.2	1250	1250	1150	1180	92	94	70-135	2	20	
Trichloroethene	ug/L	<8.0	1250	1250	1320	1300	105	104	70-130	1	20	
Vinyl chloride	ug/L	<4.4	1250	1250	1120	1110	90	89	45-147	1	20	
1,2-Dichlorobenzene-d4 (S)	%						102	100	70-130			
4-Bromofluorobenzene (S)	%						107	104	70-130			
Toluene-d8 (S)	%						103	101	70-130			

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QUALIFIERS

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

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 - The reported result is an estimated value.

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.

DL - Adjusted Method Detection Limit.

S - Surrogate

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

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690004812_conv-15 Phillips
Pace Project No.: 40278468

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40278468001	**MW-18D**	EPA 8260	474766		
40278468002	**MW-17**	EPA 8260	474766		
40278468003	**MW-17D**	EPA 8260	474766		
40278468004	**PZ-4**	EPA 8260	474766		
40278468005	**PZ-4 DUP**	EPA 8260	474766		
40278468006	**MW-23**	EPA 8260	474766		
40278468007	**MW-31**	EPA 8260	474766		
40278468008	**MW-26**	EPA 8260	474766		
40278468009	**MW-30**	EPA 8260	474766		
40278468010	**EB-01**	EPA 8260	474766		
40278468011	**PZ-3**	EPA 8260	474766		
40278468012	**MW-15**	EPA 8260	474766		
40278468013	**MW-1**	EPA 8260	474766		
40278468014	**MW-8**	EPA 8260	474766		
40278468015	**MW-4**	EPA 8260	474766		
40278468016	**MW-2**	EPA 8260	474766		
40278468017	**EB-01**	EPA 8260	474766		
40278468018	**PZ-1**	EPA 8260	474766		
40278468019	**MW-A**	EPA 8260	474766		
40278468020	**MW-27**	EPA 8260	474766		
40278468021	**MW-27 DUP**	EPA 8260	475027		
40278468022	**MW-27D**	EPA 8260	475027		
40278468023	**EB-01**	EPA 8260	475027		
40278468024	**TRIP BLANK**	EPA 8260	475027		

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Pace® Location Requested (City/State):
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1241 Bellevue Street, Suite 9
Green Bay, WI 54302

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

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40278468

Scan QR Code for instructions

Company Name: Ramboll US Consulting, Inc.
Street Address: 234 W. Florida Street, Fifth Floor
Milwaukee, WI 53204

Contact/Report To: SCOTT TARMANN
Phone #:
E-Mail: STARMANN@RAMBOLL.COM
Cc E-Mail: MPETERS@RAMBOLL.COM

Customer Project #

Project Name: 1690004812_conv-15 Phillips

Site Collection Info/Facility ID (as applicable):

Invoice To: ~~Ramboll Americas~~
Invoice E-Mail: ~~ramboll.us@pdfbusiness.com~~
Purchase Order # (if applicable):
Quote #.

Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET

County / State origin of sample(s): Wisconsin

Data Deliverables.
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable

Date Results Requested: STD

Field Filtered (if applicable): [ ] Yes [X] No
Analysis.

Specify Container Size **: 6
Identify Container Preservative Type***: 4
Analysis Requested: 8260 cVOC

**Container Size (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only:
Proj. Mgr: Steven Mleczko
AcctNum / Client ID:
Table #:
Profile / Template: 5063
Prelog / Bottle Ord. ID: EZ 3107102

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 cVOC	Sample Comment	Preservation non-conformance identified for sample
MW-18D	GW	G			5-15-24	915	3			X	001	
MW-17						1015	3			X	002	
MW-17D						1100	9			X	003	
PZ-4						1205	3			X	004	
PZ-4 DUP						1205	3			X	005	
MW-23						1300	3			X	006	
MW-31						1340	3			X	007	
MW-26						1430	3			X	008	
MW-30						1530	3			X	009	
EB-01						1600	3			X	010	

Additional Instructions from Pace®:

Collected By: (Printed Name) D-GLASFORD
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID	Correction Factor (°C)	Obs Temp (°C)	Corrected Temp (°C)	On Ice

Relinquished by/Company. (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	Tracking Number
	5-17-24 1400	CS LOGISTICS	5-17-24 1400	
CS Logistics	5/18/24 0855		5/18/24 0855	Delivered by. [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	Page: 1 of 3

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https //www pacelabs.com/resource-library/resource/pace-terms-and-conditions/

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40278468

Scan QR Code for instructions

Company Name: Ramboll US Consulting, Inc.
Street Address: 234 W. Florida Street, Fifth Floor
Milwaukee, WI 53204

Contact/Report To: SCOTT TARMANN
Phone #:
E-Mail: STARMANN@RAMBOLL.COM
Cc E-Mail: MPETERS@RAMBOLL.COM

Customer Project #.
Project Name: 1690004812_conv-15 Phillips
Site Collection Info/Facility ID (as applicable):

Invoice To: ~~Ramboll Americas~~
Invoice E-Mail: ~~ramboll.us@pdfrbaswore.com~~
Purchase Order # (if applicable):
Quote #.

Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET

County / State origin of sample(s): Wisconsin

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable.

Date Results Requested: STD

Field Filtered (if applicable). [ ] Yes [X] No
Analysis:

Specify Container Size **: 6
Identify Container Preservative Type***: 4
Analysis Requested: 8260 cVOC

**Container Size (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Steven Mleczko
AcctNum / Client ID:
Table #:
Profile / Template: 5063
Prelog / Bottle Ord. ID: EZ 3107102

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 cVOC	Sample Comment	Preservation non-conformance identified for sample
PZ-3	GW	G			5-16-24	805	3			X	011	
MW-15						855				X	012	
MW-1						1045				X	013	
MW-8						1140				X	014	
MW-4						1240				X	015	
MW-2						1340				X	016	
EB-01						1430				X	017	
PZ-1					5-17-24	850				X	018	
MW-A						940				X	019	
MW-27						1040				X	020	

Additional Instructions from Pace®:

Collected By (Printed Name): D. GLASFORD
Signature:

Customer Remarks / Special Conditions / Possible Hazards

# Coolers.	Thermometer ID	Correction Factor (°C)	Obs. Temp (°C)	Corrected Temp (°C)	On Ice

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	Tracking Number.
	5-17-24 1400	CS Logistics	5-17-24 1400	
Relinquished by/Company. (Signature) CS Logistics	5/18/24 0855		5/18/24 0855	Delivered by. [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company (Signature)	Date/Time	Received by/Company. (Signature)	Date/Time.	
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	Page: 2 of 3

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www pacelabs com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):
Pace Analytical Green Bay
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

40278468

Scan QR Code for instructions

Company Name: Ramboll US Consulting, Inc.
Street Address: 234 W. Florida Street, Fifth Floor
Milwaukee, WI 53204

Contact/Report To: SCOTT TARMANN
Phone #:
E-Mail: STARMANN@RAMBOLL.COM
Cc E-Mail: MPETERS@RAMBOLL.COM

Customer Project #.
Project Name: 1690004812_conv-15 Phillips
Site Collection Info/Facility ID (as applicable).

Invoice To: ~~Ramboll Americas~~
Invoice E-Mail: ~~ramboll.us@pdfbasware.com~~
Purchase Order # (if applicable).
Quote #.

Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET

County / State origin of sample(s): Wisconsin

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable

Date Results Requested: STD

Field Filtered (if applicable): [ ] Yes [X] No
Analysis:

Specify Container Size **: 6
Identify Container Preservative Type***: 4
Analysis Requested: 8260 cVOC

**Container Size (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only:
Proj Mgr: Steven Mleczko
AcctNum / Client ID:
Table #:
Profile / Template: 5063
Prelog / Bottle Ord. ID: EZ 3107102

* Matrix Codes (Insert in Matrix box below) Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8260 cVOC	Sample Comment	Preservation non-conformance identified for sample
MW-27 DUP	GW	G			5-17-24	1040	3			X	021	
MW-27D					↓	1130	3			X	~~028~~ 022	
EB-01					↓	1200	3			X	~~03~~ 023	
TRIP BLANK	W	—			—	—	2			X	5/18/24 86 024	

Additional Instructions from Pace®:

Collected By: (Printed Name) D. GLASFORD
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID.	Correction Factor (°C)	Obs Temp. (°C)	Corrected Temp. (°C)	On Ice

Relinquished by/Company (Signature)	Date/Time	Received by/Company. (Signature)	Date/Time.	Tracking Number
	5-17-24 1400	CSLOGISTICS	5-17-24 1400	
CSL Logistics	5/18/24 0655		5/18/24 0655	Delivered by [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company. (Signature)	Date/Time	Received by/Company (Signature)	Date/Time	
Relinquished by/Company: (Signature)	Date/Time.	Received by/Company. (Signature)	Date/Time.	Page: 3 of 3

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Sample Preservation Receipt Form

Client Name: Ramboll

Project # 40278468

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

Lab Lot# of pH paper.

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

Initial when completed:

Date/ Time:

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	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001																	W																	2.5 / 5
002																	W																	2.5 / 5
003																	W																	2.5 / 5
004																	W																	2.5 / 5
005																	W																	2.5 / 5
006																	W																	2.5 / 5
007																	W																	2.5 / 5
008																	W																	2.5 / 5
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017																	W																	2.5 / 5
018																	W																	2.5 / 5
019																	W																	2.5 / 5
020																	W																	2.5 / 5

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	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 3

Client Name: Ramboll

Sample Preservation Receipt Form

Project #: 40278468

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	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
021																	3																	2.5 / 5
022																	3																	2.5 / 5
023																	3																	2.5 / 5
024																	4																	2.5 / 5
025																																		2.5 / 5
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5/18 1024 SG

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Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40278468

40278468

Client Name: Ramboll

Courier: ☑ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☐ 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 - 139 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr. -0.5 /Corr. 0.0

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 if shipped on Dry Ice.

Person examining contents:
Date: 5/18/24 Initials: SG

Labeled By Initials: NK

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☑Yes ☐No ☐N/A	8.
Correct Containers Used: Correct Type: Pace Green Bay, Pace IR, Non-Pace	☑Yes ☐No	9.
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WO	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 518		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Page 3 of 3