CARPENTER® TECHNOLOGY | *Today's Performance, Tomorrow's Breakthroughs™*

ELECTRONIC MAIL

December 16, 2025

Mr. Kevin Bilash
EPA Region III
Land, Chemicals & Redevelopment Division (3LD20)
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

Subject: **Carpenter Technology Corrective Action Groundwater Monitoring Results RCRA Corrective Action Permit No. PAD002344315**

Dear Mr. Bilash,

In accordance with the Media Cleanup Requirements/Points of Compliance (POC) section of our Corrective Action Permit, attached please find the POC monitoring results for the second half of 2025. In addition, as requested, analysis of the sparge tank influent and effluent are included with this submittal.

In addition to the above, trend data for each POC is also attached. The data demonstrates that the remediation system continues to be effective in reducing contaminant concentrations below or near MCLs.

Should you have any questions or require additional information, please do not hesitate to contact me at (610) 208-2141.

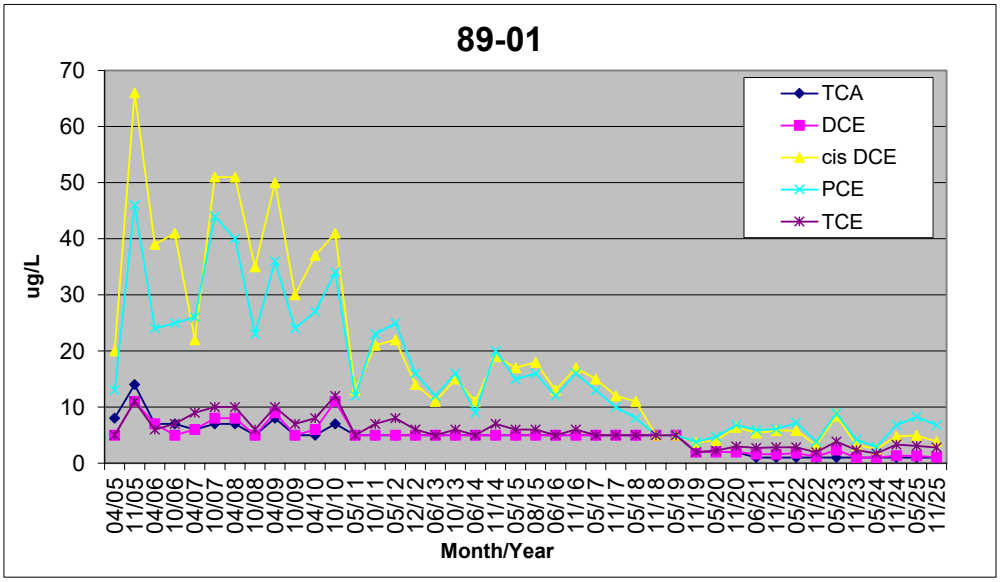
Sincerely,
Carpenter Technology Corporation

Scott C. McGoldrick
Environmental Manager

Attachment
cc: Kelly Lee Kincaid, PG, PADEP

89-01			ug/l		
Month/Year	**TCA**	**DCE**	**cis DCE**	**PCE**	**TCE**
PADEP MSC*	**2000**	**70**	**700**	**50**	**50**
MCL:	**200**	**7**	**70**	**5**	**5**
04/15/05	8	5	20	13	5
11/03/05	14	11	66	46	11
04/19/06	7	7	39	24	6
10/25/06	7	5	41	25	7
04/17/07	6	6	22	26	9
10/15/07	7	8	51	44	10
04/11/08	7	8	51	40	10
10/13/08	5	5	35	23	6
04/15/09	8	9	50	36	10
10/06/09	5	5	30	24	7
04/20/10	5	6	37	27	8
10/01/10	7	11	41	34	12
05/12/11	5	5	13	12	5
10/25/11	5	5	21	23	7
05/22/12	5	5	22	25	8
12/04/12	5	5	14	16	6
06/05/13	5	5	11	12	5
10/24/13	5	5	15	16	6
06/10/14	5	5	11	9	5
11/06/14	5	5	19	20	7
05/28/15	5	5	17	15	6
08/27/15	5	5	18	16	6
06/09/16	5	5	13	12	5
11/16/16	5	5	17	16	6
05/31/17	5	5	15	13	5
11/21/17	5	5	12	10	5
05/16/18	5	5	11	8	5
11/14/18	5	5	5	5	5
05/28/19	5	5	5	5	5
11/14/19	2	2	3.69	3.76	2
05/20/20	2	2	4.05	4.72	2.23
11/05/20	2	2	6.40	6.80	3.00
06/09/21	1	1.6	5.40	5.90	2.70
11/09/21	1	1.56	5.81	6.06	2.82
05/11/22	1	1.77	5.84	7.20	2.83
11/10/22	1	1.17	3.15	3.84	1.93
05/03/23	1	2.33	8.38	8.86	3.84
11/08/23	1	1	3.22	4.23	2.35
05/08/24	1	1	2.53	2.89	1.73
11/18/24	1	1.32	4.78	6.76	3.33
05/07/25	1	1.29	4.92	8.27	3.09
11/19/25	1	1.07	3.83	6.78	2.81

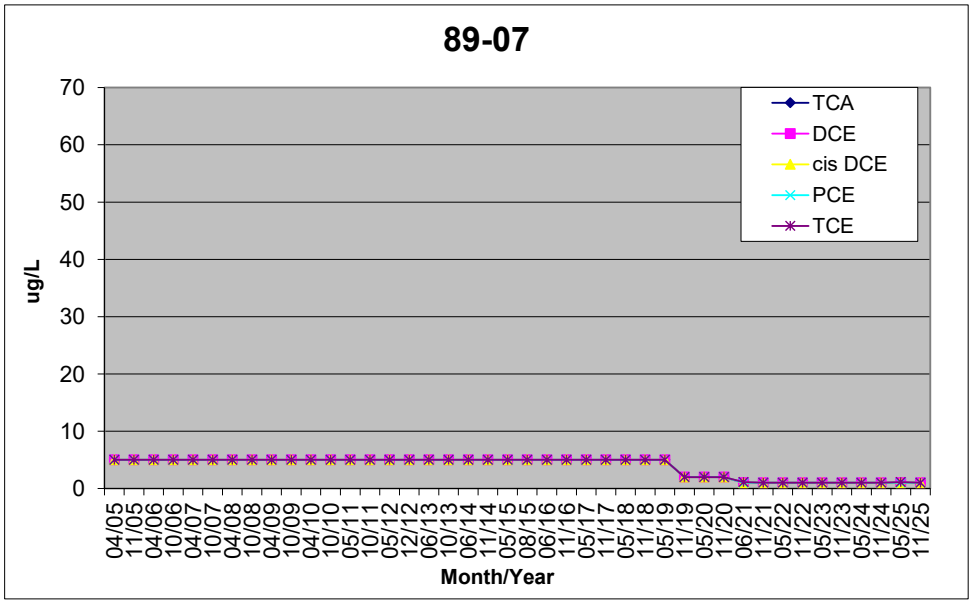
5 = <5 ug/l; 2 = <2 ug/l; 1 = <1 ug/l



89-07 **ug/l**

Month/Year	TCA	DCE	cis DCE	PCE	TCE
PADEP MSC*	2000	70	700	50	50
MCL:	200	7	70	5	5
04/15/05	5	5	5	5	5
11/03/05	5	5	5	5	5
04/19/06	5	5	5	5	5
10/25/06	5	5	5	5	5
04/17/07	5	5	5	5	5
10/15/07	5	5	5	5	5
04/11/08	5	5	5	5	5
10/13/08	5	5	5	5	5
04/15/09	5	5	5	5	5
10/06/09	5	5	5	5	5
04/20/10	5	5	5	5	5
10/01/10	5	5	5	5	5
05/12/11	5	5	5	5	5
10/25/11	5	5	5	5	5
05/22/12	5	5	5	5	5
12/04/12	5	5	5	5	5
06/05/13	5	5	5	5	5
10/24/13	5	5	5	5	5
06/10/14	5	5	5	5	5
11/06/14	5	5	5	5	5
05/28/15	5	5	5	5	5
08/27/15	5	5	5	5	5
06/09/16	5	5	5	5	5
11/16/16	5	5	5	5	5
05/31/17	5	5	5	5	5
11/21/17	5	5	5	5	5
05/16/18	5	5	5	5	5
11/14/18	5	5	5	5	5
05/28/19	5	5	5	5	5
11/14/19	2	2	2	2	2
05/13/20	2	2	2	2	2
11/05/20	2	2	2	2	2.0
06/09/21	1	1	1	1	1.1
11/09/21	1	1	1	1	1
05/11/22	1	1	1	1	1
11/10/22	1	1	1	1	1
05/03/23	1	1	1	1	1
11/08/23	1	1	1	1	1
05/08/24	1	1	1	1	1
11/18/24	1	1	1	1	1
05/07/25	1	1	1	1	1.12
11/19/25	1	1	1	1	1

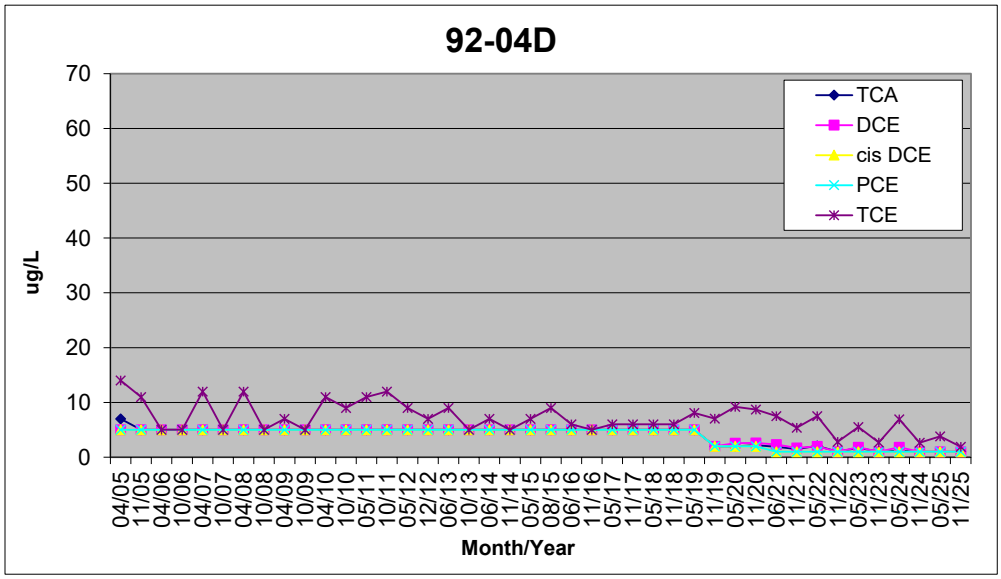
5 = <5 ug/l; 2 = <2 ug/l; 1 = <1 ug/l



92-04D			ug/l		
Month/Year	**TCA**	**DCE**	**cis DCE**	**PCE**	**TCE**
PADEP MSC*	**2000**	**70**	**700**	**50**	**50**
MCL:	**200**	**7**	**70**	**5**	**5**
04/15/05	7	5	5	5	14
11/03/05	5	5	5	5	11
04/19/06	5	5	5	5	5
10/25/06	5	5	5	5	5
04/17/07	5	5	5	5	12
10/15/07	5	5	5	5	5
04/11/08	5	5	5	5	12
10/13/08	5	5	5	5	5
04/15/09	5	5	5	5	7
10/06/09	5	5	5	5	5
04/20/10	5	5	5	5	11
10/01/10	5	5	5	5	9
05/12/11	5	5	5	5	11
10/25/11	5	5	5	5	12
05/22/12	5	5	5	5	9
12/04/12	5	5	5	5	7
06/05/13	5	5	5	5	9
10/24/13	5	5	5	5	5
06/10/14	5	5	5	5	7
11/06/14	5	5	5	5	5
05/28/15	5	5	5	5	7
08/27/15	5	5	5	5	9
06/09/16	5	5	5	5	6
11/16/16	5	5	5	5	5
05/31/17	5	5	5	5	6
11/21/17	5	5	5	5	6
05/16/18	5	5	5	5	6
11/14/18	5	5	5	5	6
05/28/19	5	5	5	5	8
11/14/19	2	2	2	2	7.04
05/13/20	2	2.56	2	2	9.21
11/05/20	2.2	2.60	2	2	8.70
06/09/21	1.9	2.30	1	1	7.50
11/09/21	1.47	1.71	1	1	5.39
05/11/22	2.06	2.00	1	1	7.51
11/10/22	1.00	1.00	1	1	2.80
05/03/23	1.68	1.84	1	1	5.51
11/08/23	1	1	1	1	2.68
05/08/24	1.20	1.80	1	1	6.92
11/18/24	1.00	1.00	1	1	2.63
05/07/25	1.01	1	1	1	3.80
11/19/25	1	1	1	1	1.91

* non-use aquifer

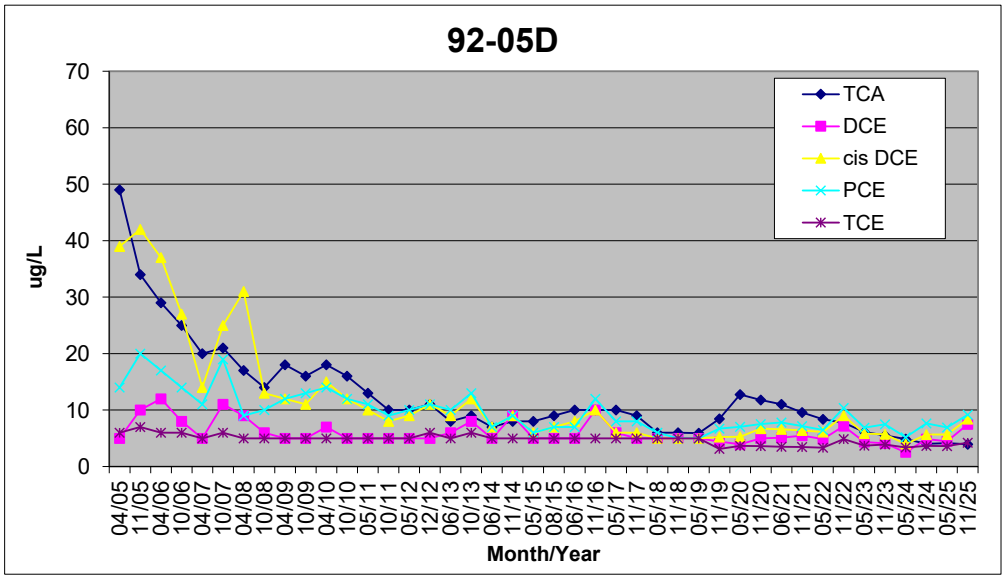
5 = <5 ug/l; 2 = <2 ug/l; 1 = <1 ug/l



92-05D			ug/l		
Month/Year	**TCA**	**DCE**	**cis DCE**	**PCE**	**TCE**
PADEP MSC*	**2000**	**70**	**700**	**50**	**50**
MCL:	**200**	**7**	**70**	**5**	**5**
04/15/05	49	5	39	14	6
11/03/05	34	10	42	20	7
04/19/06	29	12	37	17	6
10/25/06	25	8	27	14	6
04/17/07	20	5	14	11	5
10/15/07	21	11	25	19	6
04/11/08	17	9	31	9	5
10/13/08	14	6	13	10	5
04/15/09	18	5	12	12	5
10/06/09	16	5	11	13	5
04/20/10	18	7	15	14	5
10/01/10	16	5	12	12	5
05/12/11	13	5	10	11	5
10/25/11	10	5	8	9	5
05/22/12	10	5	9	10	5
12/04/12	11	5	11	11	6
06/05/13	8	6	9	10	5
10/24/13	9	8	12	13	6
06/10/14	7	5	7	7	5
11/06/14	8	9	9	9	5
05/28/15	8	5	6	6	5
08/27/15	9	5	7	7	5
06/09/16	10	5	8	7	5
11/16/16	10	10	10	12	5
05/31/17	10	6	6	8	5
11/21/17	9	5	6	8	5
05/16/18	6	5	5	6	5
11/14/18	6	5	5	5	5
05/28/19	5.90	5	5	5	5
11/14/19	8.45	4.41	5.22	6.72	3.11
05/13/20	12.73	3.93	5.26	7.02	3.65
11/05/20	11.80	5.00	6.70	7.50	3.60
06/09/21	11.00	5.10	6.60	7.80	3.50
11/09/21	9.57	5.48	6.41	7.14	3.47
05/11/22	8.36	4.85	6.12	6.46	3.32
11/10/22	7.78	7.15	9.01	10.38	4.86
05/03/23	6.10	4.35	5.81	6.86	3.70
11/08/23	5.50	4.10	5.71	7.46	3.88
05/08/24	4.85	2.51	3.96	5.19	3.36
11/18/24	4.02	4.88	5.68	7.65	3.64
05/07/25	4.14	4.47	5.66	6.93	3.62
11/19/25	3.95	7.47	8.42	9.18	4.21

* non-use aquifer

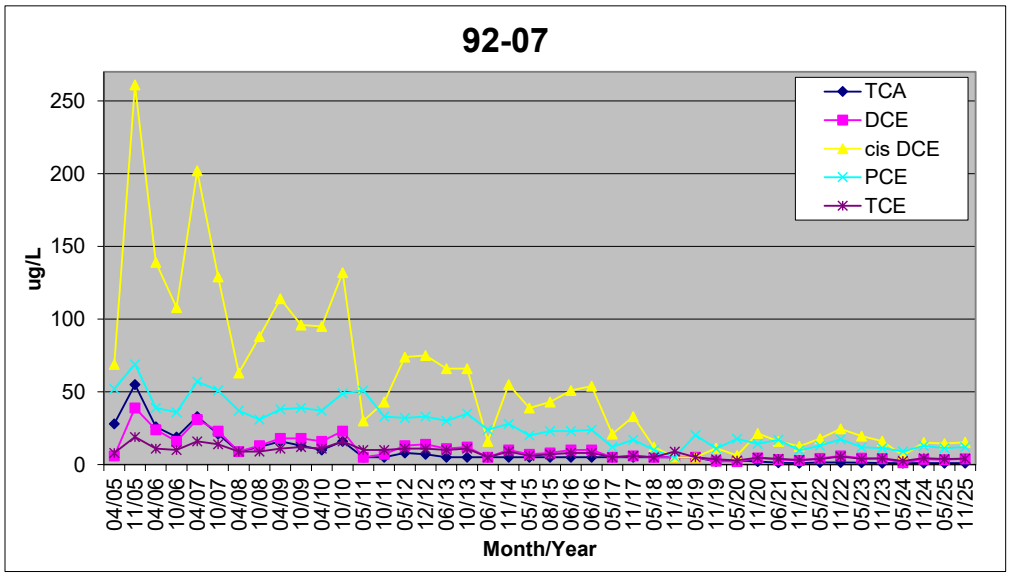
5 = <5 ug/l; 2 = <2 ug/l; 1 = <1 ug/l



92-07			ug/l		
Month/Year	**TCA**	**DCE**	**cis DCE**	**PCE**	**TCE**
PADEP MSC*	**2000**	**70**	**700**	**50**	**50**
MCL:	**200**	**7**	**70**	**5**	**5**
04/15/05	28	6	69	52	8
11/03/05	55	39	261	69	19
04/19/06	26	24	139	39	11
10/25/06	19	16	108	36	10
04/17/07	33	31	202	57	16
10/15/07	21	23	129	51	14
04/11/08	9	9	63	37	9
10/13/08	12	13	88	31	9
04/15/09	16	18	114	38	11
10/06/09	13	18	96	39	12
04/20/10	10	16	95	37	11
10/01/10	16	23	132	49	16
05/12/11	5	5	30	51	10
10/25/11	5	7	43	33	10
05/22/12	8	13	74	32	11
12/04/12	7	14	75	33	11
06/05/13	5	11	66	30	10
10/24/13	5	12	66	35	11
06/10/14	5	5	16	24	5
11/06/14	5	10	55	28	9
05/28/15	5	7	39	20	6
08/27/15	5	8	43	23	7
06/09/16	5	10	51	23	8
06/09/16	5	10	54	24	8
05/31/17	5	5	21	12	5
11/21/17	5	6	33	17	6
05/16/18	5	5	12	10	5
11/14/18	5	5	5	5	8.9
05/28/19	5	5	5	20.40	5
11/14/19	2	2.34	11.35	11.05	3.62
05/13/20	2.85	2	6.35	17.65	2.85
11/05/20	2	4.6	21.40	14.20	4.80
06/09/21	1.3	3.5	16.00	17.00	3.90
11/09/21	1.02	2.93	12.61	9.66	3.19
05/11/22	1.48	4.22	17.84	12.95	3.87
11/10/22	1.49	5.93	24.60	17.35	5.44
05/03/23	1.34	4.35	19.57	11.88	3.91
11/08/23	1	4.03	16.13	11.30	4.19
05/08/24	1	1.30	6.35	9.07	2.47
11/18/24	1	3.58	15.12	12.90	4.47
05/07/25	1	3.33	14.49	11.24	3.73
11/19/25	1.01	4.01	15.30	12.12	4.14

* non-use aquifer

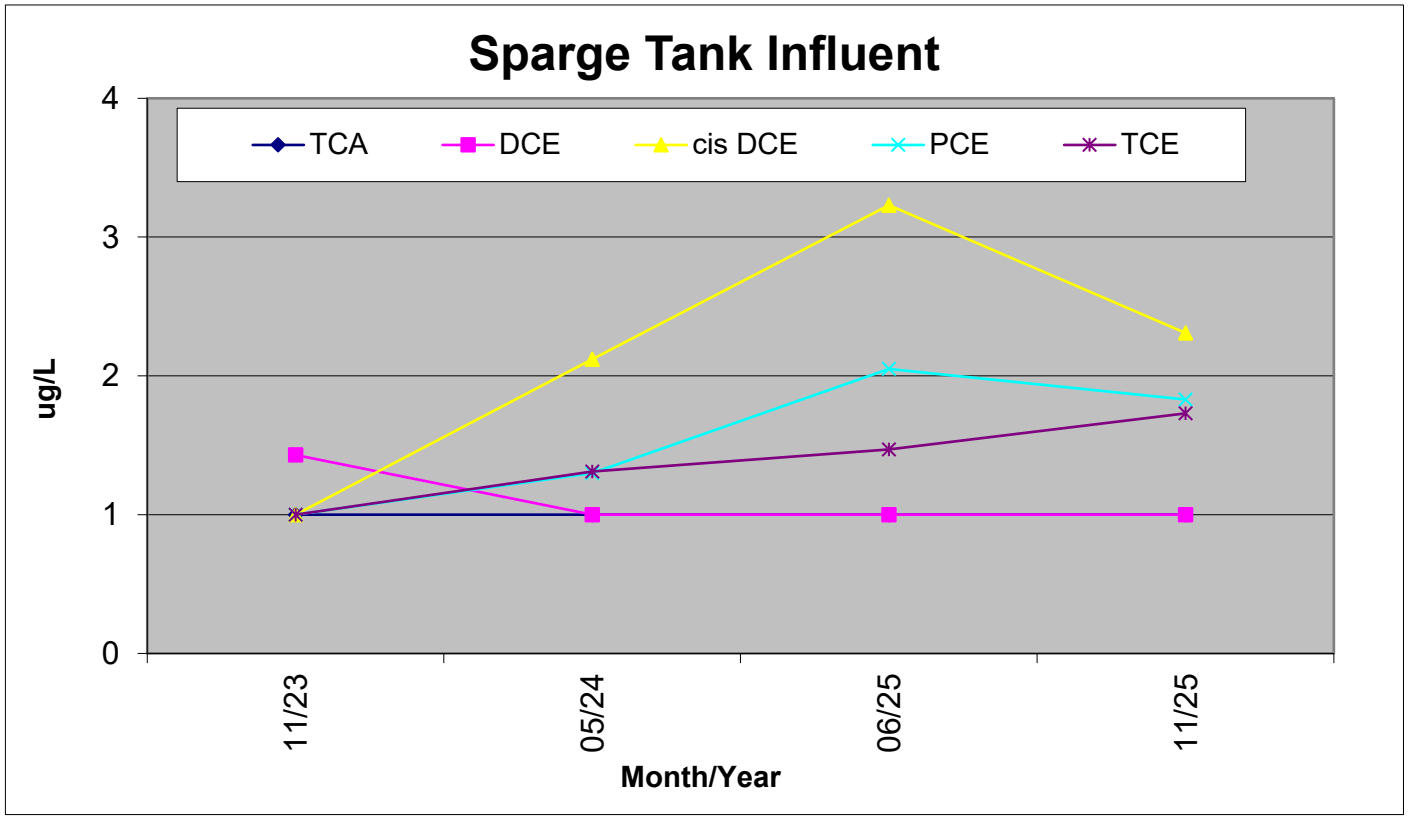
5 = <5 ug/l; 2 = <2 ug/l; 1 = <1 ug/l



Sparge Tank Influent **ug/l**

Month/Year	TCA	DCE	cis DCE	PCE	TCE
PADEP MSC*	**2000**	**70**	**700**	**50**	**50**
MCL:	**200**	**7**	**70**	**5**	**5**
11/08/23	1	1.43	1	1	1
05/08/24	1	1	2.12	1.30	1.31
06/04/25	1	1	3.23	2.05	1.47
11/19/25	1	1	2.31	1.83	1.73

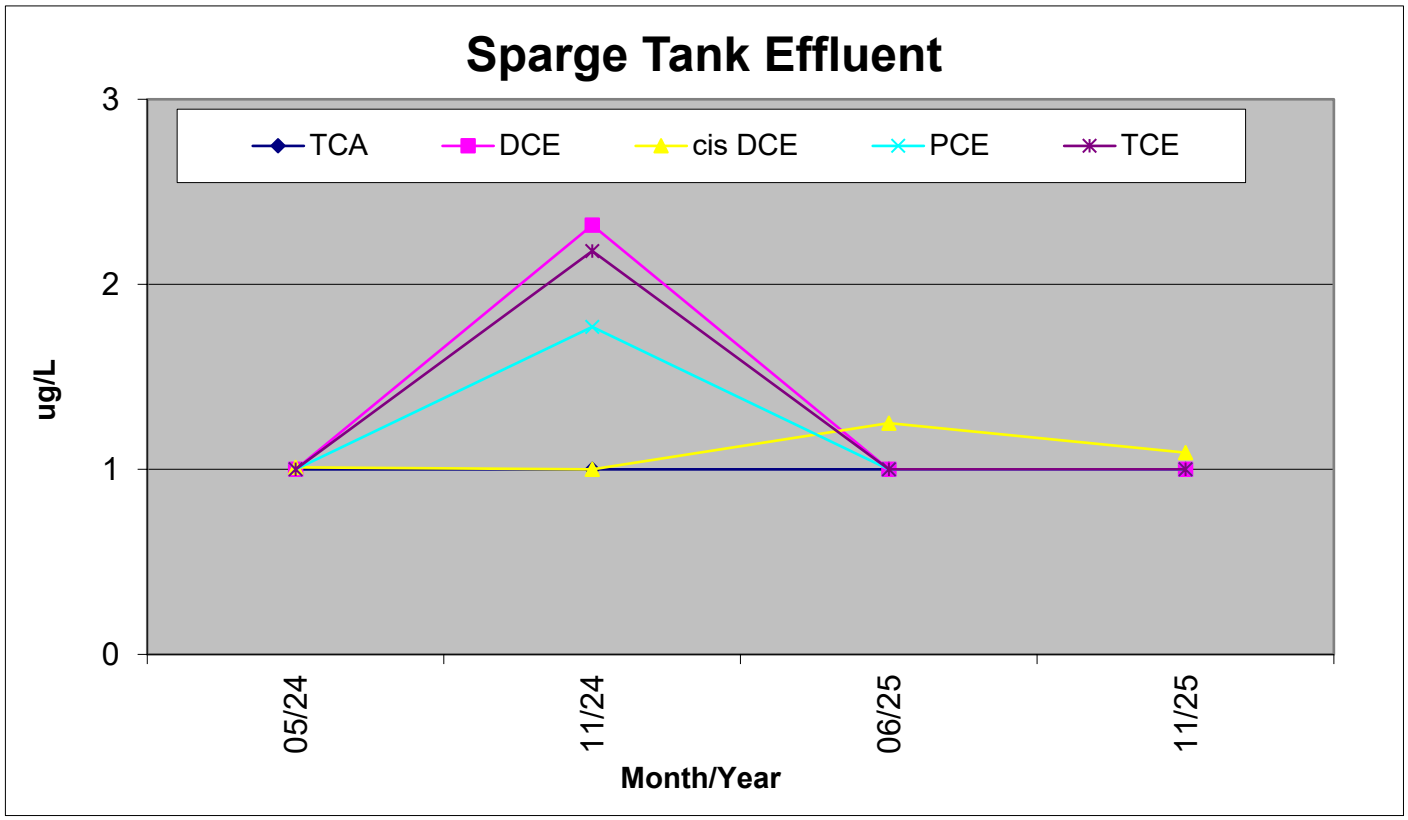
5 = <5 ug/l; 2 = <2 ug/l; 1 = <1 ug/l



Sparge Tank Effluent **ug/l**

Month/Year	TCA	DCE	cis DCE	PCE	TCE
PADEP MSC*	**2000**	**70**	**700**	**50**	**50**
MCL:	**200**	**7**	**70**	**5**	**5**
05/08/24	1	1	1.01	1.0	1.0
11/18/24	1	2.32	1	1.77	2.18
06/04/25	1	1	1.25	1	1
11/19/25	1	1	1.09	1	1

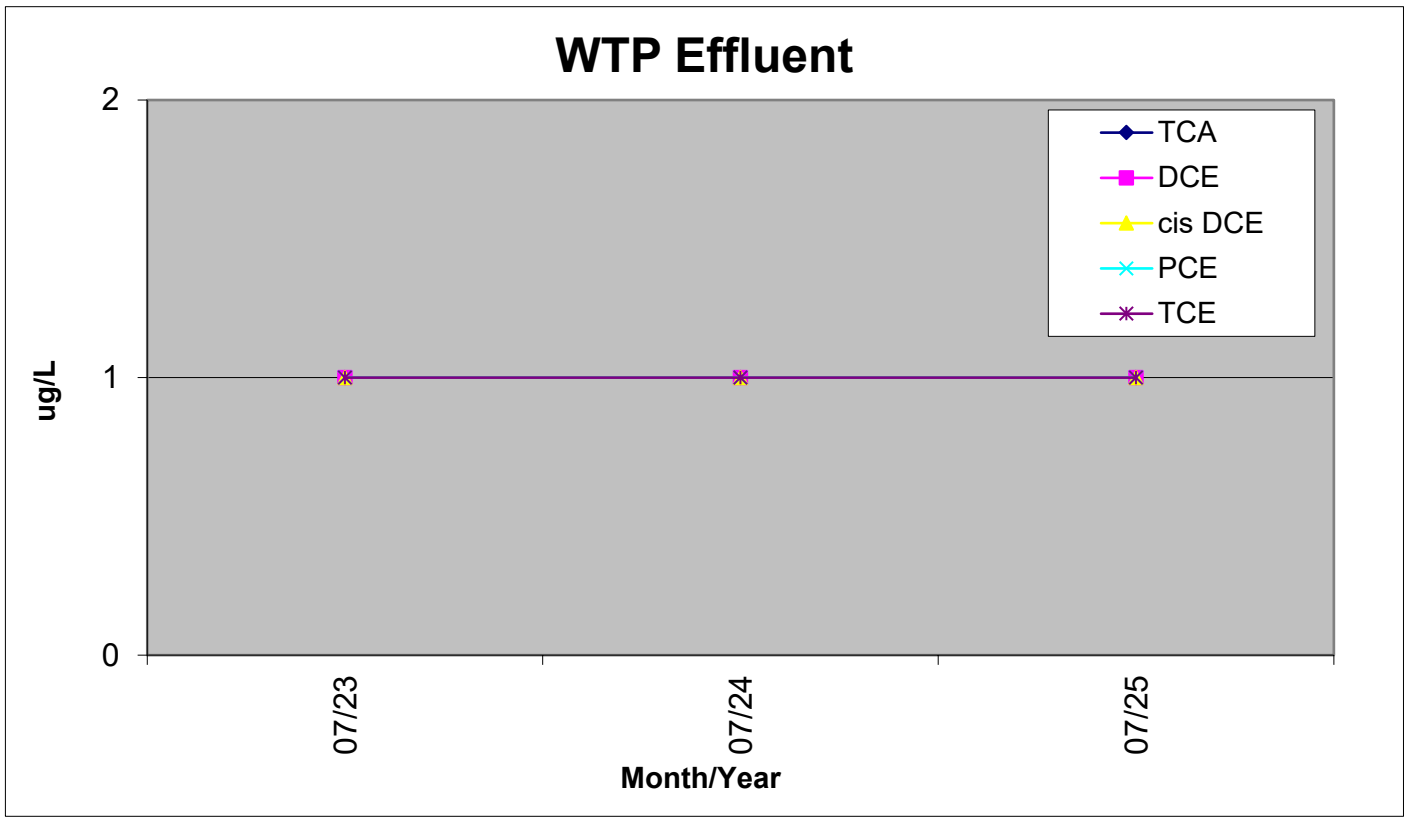
5 = <5 ug/l; 2 = <2 ug/l; 1 = <1 ug/l



WTP Effluent **ug/l**

Month/Year	TCA	DCE	cis DCE	PCE	TCE
PADEP MSC*	**2000**	**70**	**700**	**50**	**50**
MCL:	**200**	**7**	**70**	**5**	**5**
07/18/23	1	1	1	1	1
07/09/24	1	1	1	1	1
07/08/25	1	1	1	1	1

5 = <5 ug/l; 2 = <2 ug/l; 1 = <1 ug/l



SSM GROUP, INC.

GROUNDWATER MONITORING LOG

CLIENT: Carpenter Technology Corporation West Shore Wells **W.O. No.** 100967.0254, Task 6

CONTACT: Scott McGoldrick **PHONE:** 610-208-3018 **PREPARED BY:** DLK **Date:** 11/19/25

WELL NO.	CASING DIAMETER (Inches)	DRILLED WELL DEPTH (Feet)	ACTUAL WELL DEPTH (Feet)	DEPTH TO WATER (Feet)	DEPTH OF WATER COLUMN (Feet)	PUMP RATE (Gal/Min)	MINUTES PUMPED	WATER APPEARANCE	pH	TEMP. (C)	SP. COND. umho/cm	SAMPLE METHOD	FILTERED IN FIELD (0.45u filter)	COMMENTS
				SWL - 18.14				Rust	7.99	16.13	2380			Purge Start - 1134
89-07	4	37	35.50	BP - 18.16	17.34	2	17							Purge End - 1151
				AP - 35.60				Rust	8.16	16.96	2580			PD - 34.50
Well Notes:														Sample Time - 1151
								Rust	8.14	16.92	2570	Pump	N/A	Sample Date -
Well locked and secured; Cement collars in good condition, wells adaquately labeled														11/19/2025
				SWL - 16.21				Clear	7.27	19.61	2370			Purge Start - 1024
92-04D	4	60	61.30	BP - 16.25	45.05	2	45							Purge End - 1109
				AP - 17.40				Clear	7.78	16.06	2690			PD - 60.00
Well Notes:														Sample Time - 1109
								Clear	7.86	16.06	2760	Pump	N/A	Sample Date -
Well locked and secured; Cement collars in good condition, wells adaquately labeled														11/19/2025
				SWL - 17.36				Clear	7.53	15.95	859			Purge Start - 0842
92-05D	2	112	111	BP - 17.40	93.60	2	23							Purge End - 0905
				AP - 19.10				Clear	7.29	16.57	918			PD - 109
Well Notes:														Sample Time - 0905
								Clear	7.22	16.85	932	Pump	N/A	Sample Date -
Well locked and secured; Cement collars in good condition, wells adaquately labeled														11/19/2025
				SWL - 19.06				Clear	7.30	16.17	842			Purge Start - 0749
92-07	4	36	36.35	BP - 19.06	17.29	2	17							Purge End - 0806
				AP - 19.10				Clear	7.22	16.60	800			PD - 35.00
Well Notes:														Sample Time - 0806
								Clear	7.28	16.58	785	Pump	N/A	Sample Date -
Well locked and secured; Cement collars in good condition, wells adaquately labeled														11/19/2025
				SWL - 19.71				Clear	7.27	16.24	671			Purge Start - 0939
89-01	4	35	33.40	BP -19.74	13.66	2	14							Purge End - 0953
				AP - 20.38				Clear	7.1	17.01	686			PD - 32.50
Well Notes:														Sample Time - 0953
								Clear	7.12	17.33	681	Pump	N/A	Sample Date -
Well locked and secured; Cement collars in good condition, wells adaquately labeled														11/19/2025
Field Blank-														Sample = 1100
Dup Blank-														Sample = 0810
Rinse Blank-														Sample = 1115

BP (BEFORE PURGE)
AP (AFTER PURGE)
PD (PUMPING DEPTH)

FIELD CALIBRATION

Date	pH	Cond.
11/19/25	4.0/4.0	4.49/4.49

Chemical Analysis Report

Carpenter Technology 1600 Centre Ave, Reading, PA 19601 610-208-2000
EPA Lab Code: PA00963; PA Accredited Lab ID: 06-00688; NJ Laboratory Certification ID: PA002

Data Approved By:

Order: 25112001 **West Shore Wells**

Sample ID: 25112001-01 **Field Blank**

Field Blank

Collected: 11/19/25 11:00 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	ND	ug/L		1	11/24/2025 5:00:00 PM	1	EPA 624.1
1,1-Dichloroethylene	ND	ug/L		1	11/24/2025 5:00:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	< 1.00	ug/L		1	11/24/2025 5:00:00 PM	1	EPA 624.1
Tetrachloroethylene	ND	ug/L		1	11/24/2025 5:00:00 PM	1	EPA 624.1
Trichloroethylene	< 1.00	ug/L		1	11/24/2025 5:00:00 PM	1	EPA 624.1

Sample ID: 25112001-02 **Rinsate**

Rinsate

Collected: 11/19/25 11:15 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	ND	ug/L		1	11/24/2025 5:26:00 PM	1	EPA 624.1
1,1-Dichloroethylene	ND	ug/L		1	11/24/2025 5:26:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	< 1.00	ug/L		1	11/24/2025 5:26:00 PM	1	EPA 624.1
Tetrachloroethylene	ND	ug/L		1	11/24/2025 5:26:00 PM	1	EPA 624.1
Trichloroethylene	< 1.00	ug/L		1	11/24/2025 5:26:00 PM	1	EPA 624.1

Sample ID: 25112001-03 **Trip Blank** **Trip Blank**

Collected: 11/19/25 11:05 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	ND	ug/L		1	11/24/2025 5:53:00 PM	1	EPA 624.1
1,1-Dichloroethylene	ND	ug/L		1	11/24/2025 5:53:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	ND	ug/L		1	11/24/2025 5:53:00 PM	1	EPA 624.1
Tetrachloroethylene	ND	ug/L		1	11/24/2025 5:53:00 PM	1	EPA 624.1
Trichloroethylene	< 1.00	ug/L		1	11/24/2025 5:53:00 PM	1	EPA 624.1

Sample ID: 25112001-04 **Well 89-01** **89-01**

Collected: 11/19/25 09:53 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	< 1.00	ug/L		1	11/24/2025 6:19:00 PM	1	EPA 624.1
1,1-Dichloroethylene	1.07	ug/L		1	11/24/2025 6:19:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	3.83	ug/L		1	11/24/2025 6:19:00 PM	1	EPA 624.1
Tetrachloroethylene	6.78	ug/L		1	11/24/2025 6:19:00 PM	1	EPA 624.1
Trichloroethylene	2.81	ug/L		1	11/24/2025 6:19:00 PM	1	EPA 624.1

Sample ID: 25112001-05 **Well 89-07** **89-07**

Collected: 11/19/25 11:51 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	< 1.00	ug/L		1	11/24/2025 6:46:00 PM	1	EPA 624.1
1,1-Dichloroethylene	< 1.00	ug/L		1	11/24/2025 6:46:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	< 1.00	ug/L		1	11/24/2025 6:46:00 PM	1	EPA 624.1
Tetrachloroethylene	ND	ug/L		1	11/24/2025 6:46:00 PM	1	EPA 624.1
Trichloroethylene	< 1.00	ug/L		1	11/24/2025 6:46:00 PM	1	EPA 624.1

Sample ID: 25112001-06 **Well 92-04D** **92-04D**

Collected: 11/19/25 11:09 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	< 1.00	ug/L		1	11/24/2025 7:13:00 PM	1	EPA 624.1
1,1-Dichloroethylene	< 1.00	ug/L		1	11/24/2025 7:13:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	< 1.00	ug/L		1	11/24/2025 7:13:00 PM	1	EPA 624.1
Tetrachloroethylene	< 1.00	ug/L		1	11/24/2025 7:13:00 PM	1	EPA 624.1
Trichloroethylene	1.91	ug/L		1	11/24/2025 7:13:00 PM	1	EPA 624.1

Sample ID: 25112001-07 **Well 92-05D** **92-05D**

Collected: 11/19/25 09:05 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	3.95	ug/L		1	11/24/2025 7:39:00 PM	1	EPA 624.1
1,1-Dichloroethylene	7.47	ug/L		1	11/24/2025 7:39:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	8.42	ug/L		1	11/24/2025 7:39:00 PM	1	EPA 624.1
Tetrachloroethylene	9.18	ug/L		1	11/24/2025 7:39:00 PM	1	EPA 624.1
Trichloroethylene	4.21	ug/L		1	11/24/2025 7:39:00 PM	1	EPA 624.1

Sample ID: 25112001-08 **Well 92-07** **92-07**

Collected: 11/19/25 08:06 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	1.01	ug/L		1	11/24/2025 8:06:00 PM	1	EPA 624.1
1,1-Dichloroethylene	4.01	ug/L		1	11/24/2025 8:06:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	15.30	ug/L		1	11/24/2025 8:06:00 PM	1	EPA 624.1
Tetrachloroethylene	12.12	ug/L		1	11/24/2025 8:06:00 PM	1	EPA 624.1
Trichloroethylene	4.14	ug/L		1	11/24/2025 8:06:00 PM	1	EPA 624.1

Sample ID: 25112001-09 **Well Duplicate** **Duplicate**

Collected: 11/19/25 08:10 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	1.01	ug/L		1	11/24/2025 9:25:00 PM	1	EPA 624.1
1,1-Dichloroethylene	4.18	ug/L		1	11/24/2025 9:25:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	15.43	ug/L		1	11/24/2025 9:25:00 PM	1	EPA 624.1
Tetrachloroethylene	11.95	ug/L		1	11/24/2025 9:25:00 PM	1	EPA 624.1
Trichloroethylene	4.26	ug/L		1	11/24/2025 9:25:00 PM	1	EPA 624.1

Sample ID: 25112001-10 **Sparage Tank Influent** **Influent**

Collected: 11/19/25 08:53 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	< 1.00	ug/L		1	11/24/2025 10:45:00 PM	1	EPA 624.1
1,1-Dichloroethylene	< 1.00	ug/L		1	11/24/2025 10:45:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	2.31	ug/L		1	11/24/2025 10:45:00 PM	1	EPA 624.1
Tetrachloroethylene	1.83	ug/L		1	11/24/2025 10:45:00 PM	1	EPA 624.1
Trichloroethylene	1.73	ug/L		1	11/24/2025 10:45:00 PM	1	EPA 624.1

Sample ID: 25112001-11 **Sparge Tank Effluent** **Effluent**

Collected: 11/19/25 10:30 **Flow Rate:** **Temperature:**

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1,1-Trichloroethane	< 1.00	ug/L		1	11/24/2025 11:12:00 PM	1	EPA 624.1
1,1-Dichloroethylene	< 1.00	ug/L		1	11/24/2025 11:12:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	1.09	ug/L		1	11/24/2025 11:12:00 PM	1	EPA 624.1
Tetrachloroethylene	< 1.00	ug/L		1	11/24/2025 11:12:00 PM	1	EPA 624.1
Trichloroethylene	< 1.00	ug/L		1	11/24/2025 11:12:00 PM	1	EPA 624.1

QC Results

QC Batch ID: QC2511033 **Test:** VOCs - PA **Method:** EPA 624.1

Analyte	QC ID	Spike Added	Result	Units	% Recovery	Recovery Limits	RPD	RPD Limits
1,1,1-Trichloroethane	25112001-09: MS 1	20	24.4	ug/L	117	52 - 162		
1,1,1-Trichloroethane	25112001-09: MSD 1	20	25.5	ug/L	122	52 - 162	4.27	0 - 20
1,1,1-Trichloroethane	CCV High 1	160		µg/L	116	70 - 130		
1,1,1-Trichloroethane	CCV Low 1	5		µg/L	106	70 - 130		
1,1,1-Trichloroethane	ICV 1	5		µg/L	105	75 - 125		
1,1,1-Trichloroethane	LFB 1		< 1.00	ug/L	0.00	80 - 120		
1,1-Dichloroethylene	25112001-09: MS 1	20	25.0	ug/L	104	10 - 234		
1,1-Dichloroethylene	25112001-09: MSD 1	20	26.9	ug/L	113	10 - 234	7.05	0 - 20
1,1-Dichloroethylene	CCV High 1	160		µg/L	109	70 - 130		
1,1-Dichloroethylene	CCV Low 1	5		µg/L	96.9	70 - 130		
1,1-Dichloroethylene	ICV 1	5		µg/L	98.0	75 - 125		
1,1-Dichloroethylene	LFB 1		< 1.00	ug/L	0.00	80 - 120		
cis-1,2-Dichloroethylene	25112001-09: MS 1	20	38.0	ug/L	113	80 - 130		
cis-1,2-Dichloroethylene	25112001-09: MSD 1	20	40.0	ug/L	123	80 - 130	5.06	0 - 20
cis-1,2-Dichloroethylene	CCV High 1	160		µg/L	116	75 - 130		
cis-1,2-Dichloroethylene	CCV Low 1	5		µg/L	100	75 - 130		
cis-1,2-Dichloroethylene	ICV 1	5		µg/L	107	75 - 130		
cis-1,2-Dichloroethylene	LFB 1	108	107	ug/L	99.2	80 - 120		
Tetrachloroethylene	25112001-09: MS 1	20	32.0	ug/L	100	64 - 148		
Tetrachloroethylene	25112001-09: MSD 1	20	33.7	ug/L	109	64 - 148	5.13	0 - 20
Tetrachloroethylene	CCV High 1	160		µg/L	101	70 - 130		
Tetrachloroethylene	CCV Low 1	5		µg/L	93.6	70 - 130		
Tetrachloroethylene	ICV 1	5		µg/L	102	75 - 125		
Tetrachloroethylene	LFB 1	108	106	ug/L	97.7	80 - 120		
Trichloroethylene	25112001-09: MS 1	20	24.9	ug/L	103	71 - 157		
Trichloroethylene	25112001-09: MSD 1	20	25.4	ug/L	106	71 - 157	2.00	0 - 20
Trichloroethylene	CCV High 1	160		µg/L	99.7	70 - 130		
Trichloroethylene	CCV Low 1	5		µg/L	92.7	70 - 130		
Trichloroethylene	ICV 1	5		µg/L	101	75 - 125		
Trichloroethylene	LFB 1	74.2	74.3	ug/L	100	80 - 120		

Analyte	QC ID	RDL	Result	Units	% Recovery	Recovery Limits	RPD	RPD Limits
1,1,1-Trichloroethane	Method Blank 1	1	ND	ug/L		0 - 1		
1,1-Dichloroethylene	Method Blank 1	1	ND	ug/L		0 - 1		
cis-1,2-Dichloroethylene	Method Blank 1	1	< 1.00	ug/L		0 - 1		
Tetrachloroethylene	Method Blank 1	1	ND	ug/L		0 - 1		
Trichloroethylene	Method Blank 1	1	< 1.00	ug/L		0 - 1		

Data Qualifier Descriptions:

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CARPENTER TECHNOLOGY

CHAIN OF CUSTODY RECORD

Environmental / Process Chemistry Group

Carpenter Technology
101 W. Bern St.
Reading, PA 19601

Contacts: Tim Oswald 610-208-2980 toswald@cartech.com

Turnaround Time
Standard
RUSH (*may not be guaranteed)
Need RUSH Results By: _____/_____/_____

Requested By: Harry Pehote | **Email / Phone**

Report Copies:

Composite Info

Sample_____
Start ____/____/_____ @ _____
Stop ____/____/_____ @ _____

Sample_____
Start ____/____/_____ @ _____
Stop ____/____/_____ @ _____

Matrix Codes

WW = Waste Water
GW = Ground Water
ST = Storm Water
S = Soil/Solid
O = Other

Container Codes

Size	Type
O = Other	P = Plastic
L = Liter	G = Glass
500 = 500mL	V = VOA Vial
250 = 250mL	O = Other
40 = 40mL	A = Amber

Preservative Codes

N = HNO3 H = NaOH
S = H2SO4 O = Other
C = HCl
FF = Field Filtered

Flow: _____ **Temp** _____ **Field pH** _____

Notes:

Collected By: D.Kuchinski

Sample Description / Location	Date	Time	Matrix	Grab	Composite	# of Bottles	40						G						C						X	X	X	X	X	X
							⇦ Container Size (use codes listed above)						⇦ Container Type (use codes listed above)						⇦ Preservative (use codes listed above)						⇩ Analyses Requested ⇩					
Trip Blank	11/19/2025	1105		x		2	2																		VOA					
Field Blank	11/19/2025	1100		x		2	2																							
Rinsate	11/19/2025	1115		x		2	2																							
92-07	11/19/2025	0806		x		2	2																							
92-05D	11/19/2025	0905		x		2	2																							
89-010	11/19/2025	0953		x		2	2																							
92-04D	11/19/2025	1109		x		2	2																							
89-07	11/19/2025	1151		x		2	2																							
Duplicate	11/19/2025	0810		x		2	2																							

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
(SSM)	11/19/25	1220			
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Sample Receipt
(Lab use only)

Cooler Temp (°C): _____

Therm ID _____

Revision 0, 4/18/24

M.J. Reider Associates, Inc.
107 Angelica St, Reading PA, 19611
610-374-5129 www.mjreider.com

WORK ORDER
Chain of Custody

2546874

Client Code: 0119 **Client:** Spotts Stevens and McCoy
Project Manager: Bradley T Griffiths **Project:** 1752 - Carpenter Semiannual Wells Containers only
Report To: Spotts Stevens and McCoy - Dave Kuchinski - 1047 North Park Road, P.O. Box 6307, Reading, PA 19610 **Project Notes:** **SEE NOTES BELOW**
Invoice To: Spotts Stevens and McCoy - Accounts Payable - 1047 North Park Road, P.O. Box 6307, Reading, PA 19610

Collected By:
(Full Name) _____

Comments: _____

Project Notes: Sample Admin - Please log this WO in at the time it is prepared for pick up, as these containers do not return to the lab for any analyses. Provide a copy of the COC to the PM.

2546874-01 89-01 Carpenter Tech
No Analysis_Container Prep Only
Matrix: Non-Potable Water **Type:** Grab Date/Time: 11/19/25 @ 0953
A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

2546874-02 89-07 Carpenter Tech
No Analysis_Container Prep Only
Matrix: Non-Potable Water **Type:** Grab Date/Time: 11/19/25 @ 1151
A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

2546874-03 92-04D Carpenter Tech
No Analysis_Container Prep Only
Matrix: Non-Potable Water **Type:** Grab Date/Time: 11/19/25 @ 1109
A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

2546874-04 92-05D Carpenter Tech
No Analysis_Container Prep Only
Matrix: Non-Potable Water **Type:** Grab Date/Time: 11/19/25 @ 0905
A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

2546874-05 92-07 Carpenter Tech
No Analysis_Container Prep Only
Matrix: Non-Potable Water **Type:** Grab Date/Time: 11/19/25 @ 0806
A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

Relinquished By	Date/Time	Received By	Date/Time
DJK	11/19/25		

Relinquished By	Date/Time	Received By	Date/Time

Relinquished By	Date/Time	Received at Laboratory By	Date/Time

Sample Kit Prepared By:	Date
CML	10/24

Unless otherwise noted, the samples arrived in good condition, and, where required, were properly preserved and on ice with the temperature of the cooler between 0-6C where required (0-10C for micro; room temperature when permitted).

Checked By: _____ Entered By: _____

Report Template: wko WorkOrder COC ls

M.J. Reider Associates, Inc.

Client Code: 0119
Project Manager: Bradley T Griffiths

Client: Spotts Stevens and McCoy
Project: 1752 - Carpenter Semiannual Wells Containers on

Comments: _____

Collected By:
(Full Name) _____

2546874-06 Trip Blank Carpenter Tech
No Analysis_Container Prep Only

Matrix: Non-Potable Water **Type:** Trip Blank Date/Time: 11/19/25 @ 1105

A - Vial TRIP BLANK 40mL Asc & HCl (pH<2), zero hdspc
B - Vial TRIP BLANK 40mL Asc & HCl (pH<2), zero hdspc
C - Vial TRIP BLANK 40mL Asc & HCl (pH<2), zero hdspc

2546874-07 Field Blank Carpenter Tech
No Analysis_Container Prep Only

Matrix: Non-Potable Water **Type:** Field Blank Date/Time: 11/19/25 @ 1100

A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

2546874-08 Duplicate Blank Carpenter Tech
No Analysis_Container Prep Only

Matrix: Non-Potable Water **Type:** Grab Date/Time: 11/19/25 @ 0810

A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

2546874-09 Rinsate Blank Carpenter Tech
No Analysis_Container Prep Only

Matrix: Non-Potable Water **Type:** Grab Date/Time: 11/19/25 @ 1115

A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

2546874-10 Influent **Carpenter Tech**
No Analysis_Container Prep Only

Matrix: Non-Potable Water **Type:** Grab Date/Time: 11/19/25 @ 0853

A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

2546874-11 Effluent **Carpenter Tech**
No Analysis_Container Prep Only

Matrix: Non-Potable Water **Type:** Grab Date/Time: 11/19/25 @ 1030

A - Vial 40mL Asc & HCL (pH<2), zero hdspc
B - Vial 40mL Asc & HCL (pH<2), zero hdspc
C - Vial 40mL Asc & HCL (pH<2), zero hdspc

Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received at Laboratory By	Date/Time

Sample Kit Prepared By:	Date
CML	10/24

Unless otherwise noted, the samples arrived in good condition, and, where required, were properly preserved and on ice with the temperature of the cooler between 0-6C where required (0-10C for micro; room temperature when permitted).

Checked By: _____ Entered By: _____

Report Template: wko WorkOrder COC ls

Chemical Analysis Report

Carpenter Technology 1600 Centre Ave, Reading, PA 19601 610-208-2000
EPA Lab Code: PA00963; PA Accredited Lab ID: 06-00688; NJ Laboratory Certification ID: PA002

Data Approved By:

Order: 25070801 **WTP Effluent Annual**

Sample ID: 25070801-01 **Outfall 901 - Grab** **Effluent 1**

Collected: 07/08/25 08:42 **Flow Rate:** 1.415 MGD **Temperature:** 22.8 deg C

Param	Result	Units	Qualifiers	LOQ	Analyzed	Dil.	Method
1,1-Dichloroethylene	< 1.00	ug/L		1	7/18/2025 7:45:00 PM	1	EPA 624.1
cis-1,2-Dichloroethylene	< 1.00	ug/L		1	7/18/2025 7:45:00 PM	1	EPA 624.1
1,1,1-Trichloroethane	ND	ug/L		1	7/18/2025 7:45:00 PM	1	EPA 624.1
Trichloroethylene	< 1.00	ug/L		1	7/18/2025 7:45:00 PM	1	EPA 624.1
Tetrachloroethylene	ND	ug/L		1	7/18/2025 7:45:00 PM	1	EPA 624.1

QC Results

QC Batch ID: QC2508015 **Test:** VOCs - PA **Method:** EPA 624.1

Analyte	QC ID	Spike Added	Result	Units	% Recovery	Recovery Limits	RPD	RPD Limits
1,1,1-Trichloroethane	25071801-04: MS 1	20	21.4	ug/L	107	52 - 162		
1,1,1-Trichloroethane	25071801-04: MSD 1	20	20.8	ug/L	104	52 - 162	2.62	0 - 20
1,1,1-Trichloroethane	CCV High 1	160		µg/L	99.6	70 - 130		
1,1,1-Trichloroethane	ICV 1	5		µg/L	90.1	75 - 125		
1,1,1-Trichloroethane	LFB 1	60	62.5	ug/L	104	80 - 120		
1,1,1-Trichloroethane	MDL 1	1	< 1.00	ug/L	96.9	50 - 150		
1,1-Dichloroethylene	25071801-04: MS 1	20	18.6	ug/L	92.8	10 - 234		
1,1-Dichloroethylene	25071801-04: MSD 1	20	18.6	ug/L	92.8	10 - 234	0.0135	0 - 20
1,1-Dichloroethylene	CCV High 1	160		µg/L	93.5	70 - 130		
1,1-Dichloroethylene	ICV 1	5		µg/L	83.7	75 - 125		
1,1-Dichloroethylene	LFB 1	124	130	ug/L	105	80 - 120		
1,1-Dichloroethylene	MDL 1	1	< 1.00	ug/L	86.2	50 - 150		
cis-1,2-Dichloroethylene	25071801-04: MS 1	20	20.6	ug/L	103	80 - 130		
cis-1,2-Dichloroethylene	25071801-04: MSD 1	20	20.0	ug/L	100	80 - 130	3.10	0 - 20
cis-1,2-Dichloroethylene	CCV High 1	160		µg/L	98.4	75 - 130		
cis-1,2-Dichloroethylene	ICV 1	5		µg/L	90.3	75 - 130		
cis-1,2-Dichloroethylene	LFB 1		< 1.00	ug/L	0.00	80 - 120		
cis-1,2-Dichloroethylene	MDL 1	1	1.06	ug/L	106	50 - 150		
Tetrachloroethylene	25071801-04: MS 1	20	20.7	ug/L	103	64 - 148		
Tetrachloroethylene	25071801-04: MSD 1	20	20.2	ug/L	101	64 - 148	2.26	0 - 20
Tetrachloroethylene	CCV High 1	160		µg/L	96.5	70 - 130		
Tetrachloroethylene	ICV 1	5		µg/L	93.4	75 - 125		
Tetrachloroethylene	LFB 1		< 1.00	ug/L	0.00	80 - 120		
Tetrachloroethylene	MDL 1	1	1.02	ug/L	102	50 - 150		
Trichloroethylene	25071801-04: MS 1	20	21.6	ug/L	108	71 - 157		
Trichloroethylene	25071801-04: MSD 1	20	21.2	ug/L	106	71 - 157	1.62	0 - 20
Trichloroethylene	CCV High 1	160		µg/L	98.0	70 - 130		
Trichloroethylene	ICV 1	5		µg/L	96.0	75 - 125		
Trichloroethylene	LFB 1	73.8	78.7	ug/L	107	80 - 120		
Trichloroethylene	MDL 1	1	1.08	ug/L	108	50 - 150		

Analyte	QC ID	RDL	Result	Units	% Recovery	Recovery Limits	RPD	RPD Limits
1,1,1-Trichloroethane	Method Blank 1	1	ND	ug/L		0 - 1		
1,1-Dichloroethylene	Method Blank 1	1	< 1.00	ug/L		0 - 1		
cis-1,2-Dichloroethylene	Method Blank 1	1	< 1.00	ug/L		0 - 1		
Tetrachloroethylene	Method Blank 1	1	< 1.00	ug/L		0 - 1		
Trichloroethylene	Method Blank 1	1	< 1.00	ug/L		0 - 1		

Data Qualifier Descriptions:

: