



CARPENTER
Specialty Alloys

Carpenter Technology Corporation
P.O. Box 14662
Reading, PA 19612-4662

Tel: 610.208.2000

CERTIFIED MAIL

November 17, 2020

Mr. Stephen Hon Lee
Environmental Engineer, PA/DC Section
United States Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

**Subject: Carpenter Technology Corrective Action Groundwater Monitoring Results
RCRA Corrective Action Permit N0. PAD002344315**

Dear Mr. Lee,

In accordance with the Media Cleanup Requirements/Points of Compliance (POC) section of our Corrective Action Permit, I am submitting the attached POC monitoring results for the second half of 2020. I am also including updated trend data for each POC. The data demonstrates that the remediation system has been effective in reducing contaminant concentrations below or near MCLs.

Should you have any questions or require additional information, please don't hesitate to contact me at (610) 208-2141

Sincerely,
Carpenter Technology Corporation

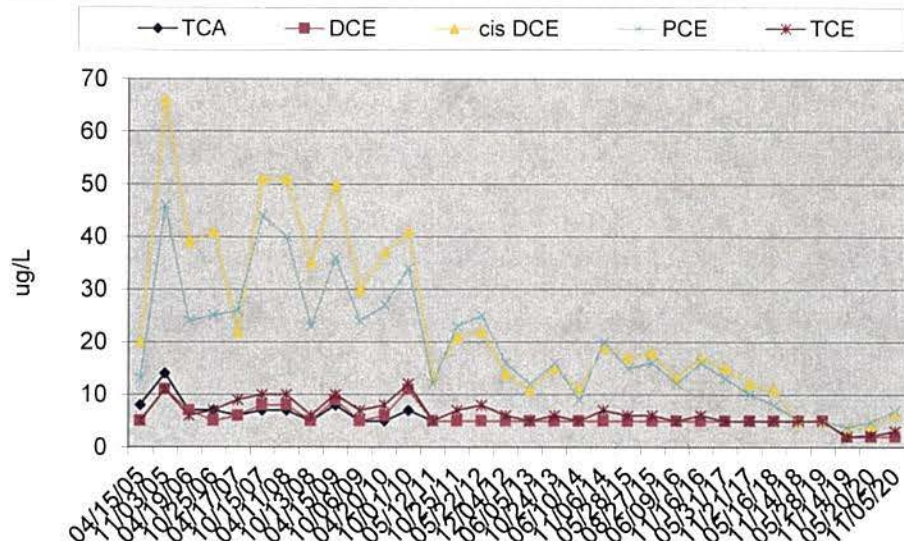
Scott C. McGoldrick
Environmental Manager

89-01

ug/l

	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

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

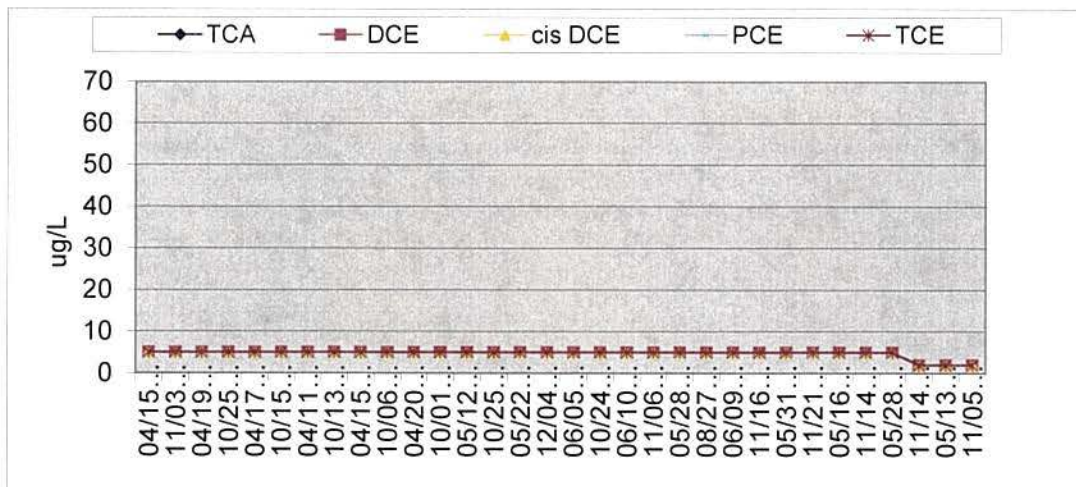


89-07

ug/l

	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

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



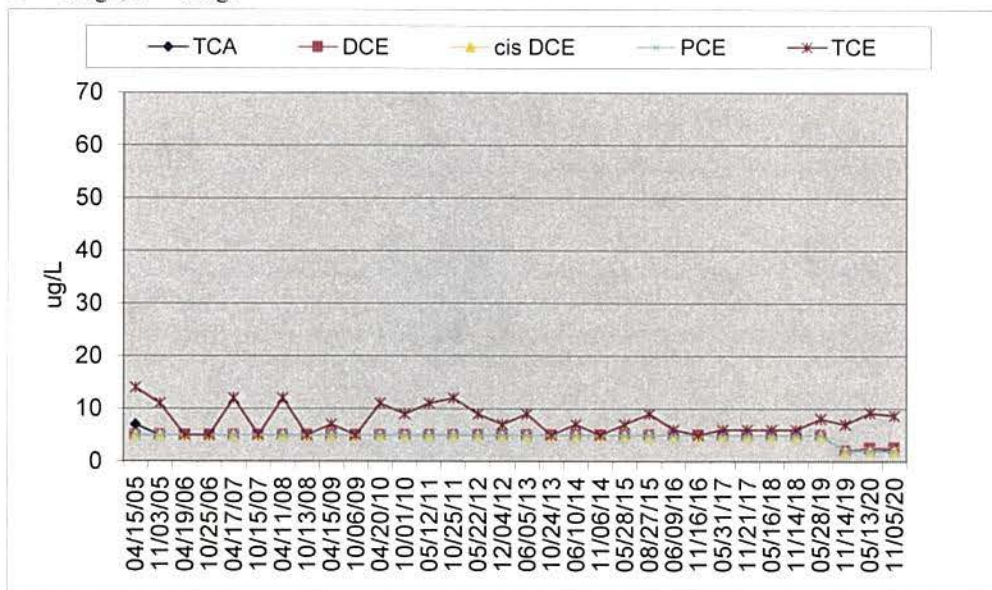
92-04D

ug/l

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

* non-use aquifer

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



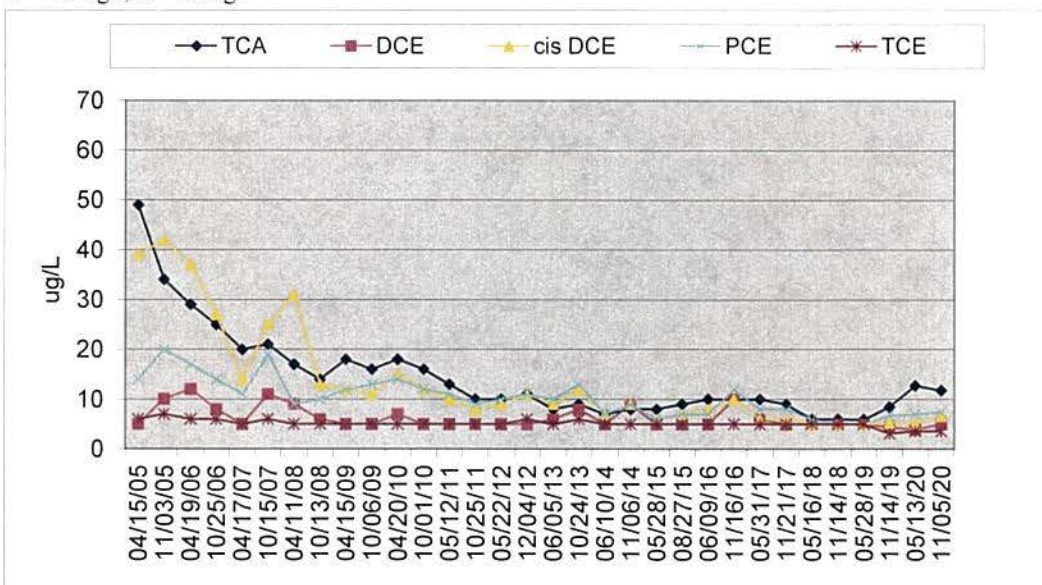
92-05D

ug/l

	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

* non-use aquifer

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



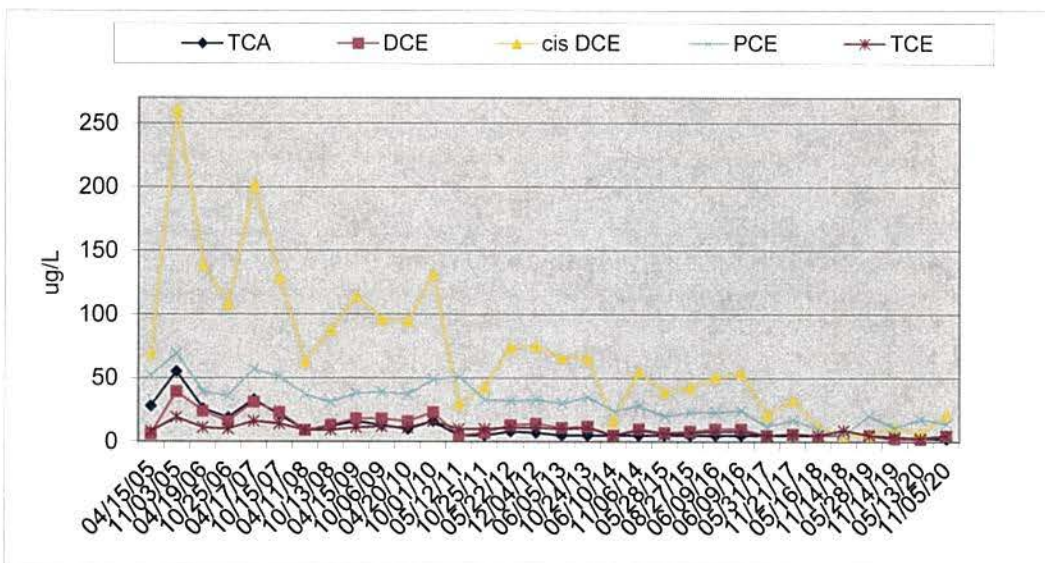
92-07

ug/l

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

* non-use aquifer

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



Carpenter Technology Corporation
Chemical Technology Group
1600 Centre Avenue
Reading, PA 19601

EPA Lab Code: PA00963
PA Accredited Lab ID#: 06-00688
NJ Laboratory Certification ID#: PA002



Chemical Analysis Report

Specimen ID	20114-WE-028	Requestor	Harry Pehote
Copies			

Sample Information

Description	West Shore Groundwater Monitoring Well
Location	West Shore
Request ID	Trip Blank
Sampled	11/4/2020 0855
Submitted	11/4/2020 12:35:14 PM
Reported	11/10/2020
Taken by	D.Kuchinski
Method	Grab
Volume	2x40mL

Comments:	
Trip Blank prepared by MJReider 10/21/20.	

This analysis report was reviewed and approved by:

Julia Mullen

Carpenter Technology Corporation - VOC Analysis Report



Batch Path C:\MassHunter\GCMS\1\data\2020 Data\201105 - Union Eff + MDL + West Shore Wells\QuantResults\Union Eff + MDL + West Shore Wells.batch.bin

Sample Name Trip Blank - West Shore Wells Acq. Time 11/5/2020 4:18 PM
 Data File 20114-WE-028.D Date Received
 Acquisition operator MMK Dilution 1
 GC/MS Column

Compound	Analysis Result	Units	Data Qualifiers	LOQ
1,1-Dichloroethylene	<2.00	µg/L		2.00
cis-1,2-Dichloroethylene	<2.00	µg/L		2.00
1,1,1-Trichloroethane	<2.00	µg/L		2.00
Trichloroethylene	<2.00	µg/L		2.00
Tetrachloroethylene	<2.00	µg/L		2.00

GC/MS analysis performed using EPA Method 624.1

Limit of Quantitation adjusted based upon sample dilution factor

Data Qualifiers:

B Analyte also detected in blank

D Compound quantitated on diluted sample

E Concentration exceeded the calibration range of the instrument

J Estimated Value

ND None Detected

Carpenter Technology Corporation
Chemical Technology Group
1600 Centre Avenue
Reading, PA 19601

EPA Lab Code: PA00963
PA Accredited Lab ID#: 06-00688
NJ Laboratory Certification ID#: PA002



Chemical Analysis Report

Specimen ID	20114-WE-029	Requestor	Harry Pehote
Copies			

Sample Information

Description	West Shore Groundwater Monitoring Well
Location	West Shore
Request ID	Field Blank
Sampled	11/4/2020 1016
Submitted	11/4/2020 12:35:30 PM
Reported	11/10/2020
Taken by	D.Kuchinski
Method	Grab
Volume	2x40mL

Comments:	
Trip Blank prepared by MJReider 10/21/20.	

This analysis report was reviewed and approved by:

Julia Mullen

Carpenter Technology Corporation - VOC Analysis Report



Batch Path C:\MassHunter\GCMS\1\data\2020 Data\201105 - Union Eff + MDL + West Shore Wells\QuantResults\Union Eff + MDL + West Shore Wells.batch.bin

Sample Name Field Blank - West Shore Wells Acq. Time 11/5/2020 4:45 PM

Data File 20114-WE-029.D Date Received

Acquisition operator MMK Dilution 1

GC/MS Column

Compound	Analysis Result	Units	Data Qualifiers	LOQ
1,1-Dichloroethylene	<2.00	µg/L		2.00
cis-1,2-Dichloroethylene	<2.00	µg/L		2.00
1,1,1-Trichloroethane	<2.00	µg/L		2.00
Trichloroethylene	<2.00	µg/L		2.00
Tetrachloroethylene	<2.00	µg/L		2.00

GC/MS analysis performed using EPA Method 624.1

Limit of Quantitation adjusted based upon sample dilution factor

Data Qualifiers:

B Analyte also detected in blank

D Compound quantitated on diluted sample

E Concentration exceeded the calibration range of the instrument

J Estimated Value

ND None Detected

Carpenter Technology Corporation
Chemical Technology Group
1600 Centre Avenue
Reading, PA 19601

EPA Lab Code: PA00963
PA Accredited Lab ID#: 06-00688
NJ Laboratory Certification ID#: PA002



Chemical Analysis Report

Specimen ID	20114-WE-030	Requestor	Harry Pehote
Copies			

Sample Information

Description	West Shore Groundwater Monitoring Well
Location	West Shore
Request ID	Rinsate
Sampled	11/4/2020 1105
Submitted	11/4/2020 12:35:42 PM
Reported	11/10/2020
Taken by	D.Kuchinski
Method	Grab
Volume	2x40mL

Comments:	
Trip Blank prepared by MJReider 10/21/20.	

This analysis report was reviewed and approved by:

Julia Miller

Carpenter Technology Corporation - VOC Analysis Report



Batch Path C:\MassHunter\GCMS\1\data\2020 Data\201105 - Union Eff + MDL + West Shore Wells\QuantResults\Union Eff + MDL + West Shore Wells.batch.bin

Sample Name Rinsate Acq. Time 11/5/2020 5:11 PM
 Data File 20114-WE-030.D Date Received
 Acquisition operator MMK Dilution 1
 GC/MS Column

Compound	Analysis Result	Units	Data Qualifiers	LOQ
1,1-Dichloroethylene	<2.00	µg/L		2.00
cis-1,2-Dichloroethylene	<2.00	µg/L		2.00
1,1,1-Trichloroethane	<2.00	µg/L		2.00
Trichloroethylene	<2.00	µg/L		2.00
Tetrachloroethylene	<2.00	µg/L		2.00

GC/MS analysis performed using EPA Method 624.1

Limit of Quantitation adjusted based upon sample dilution factor

Data Qualifiers:

B Analyte also detected in blank

D Compound quantitated on diluted sample

E Concentration exceeded the calibration range of the instrument

J Estimated Value

ND None Detected

Carpenter Technology Corporation
Chemical Technology Group
1600 Centre Avenue
Reading, PA 19601

EPA Lab Code: PA00963
PA Accredited Lab ID#: 06-00688
NJ Laboratory Certification ID#: PA002



Chemical Analysis Report

Specimen ID	20114-WE-031	Requestor	Harry Pehote
Copies			

Sample Information

Description	West Shore Groundwater Monitoring Well
Location	West Shore
Request ID	89-01
Sampled	11/4/2020 0913
Submitted	11/4/2020 12:35:53 PM
Reported	11/10/2020
Taken by	D.Kuchinski
Method	Grab
Volume	2x40mL

Comments:	
Trip Blank prepared by MJReider 10/21/20.	

This analysis report was reviewed and approved by:

Julia Mullen

Carpenter Technology Corporation - VOC Analysis Report



Batch Path C:\MassHunter\GCMS\1\data\2020 Data\201105 - Union Eff + MDL + West Shore Wells\QuantResults\Union Eff + MDL + West Shore Wells.batch.bin

Sample Name 89-01 Acq. Time 11/5/2020 5:38 PM
 Data File 20114-WE-031.D Date Received
 Acquisition operator MMK Dilution 1
 GC/MS Column

Compound	Analysis Result	Units	Data Qualifiers	LOQ
1,1-Dichloroethylene	<2.00	µg/L		2.00
cis-1,2-Dichloroethylene	6.37	µg/L		2.00
1,1,1-Trichloroethane	<2.00	µg/L		2.00
Trichloroethylene	2.95	µg/L		2.00
Tetrachloroethylene	6.81	µg/L		2.00

GC/MS analysis performed using EPA Method 624.1

Limit of Quantitation adjusted based upon sample dilution factor

Data Qualifiers:

B Analyte also detected in blank

D Compound quantitated on diluted sample

E Concentration exceeded the calibration range of the instrument

J Estimated Value

ND None Detected

Carpenter Technology Corporation
Chemical Technology Group
1600 Centre Avenue
Reading, PA 19601

EPA Lab Code: PA00963
PA Accredited Lab ID#: 06-00688
NJ Laboratory Certification ID#: PA002



Chemical Analysis Report

Specimen ID	20114-WE-032	Requestor	Harry Pehote
Copies			

Sample Information

Description	West Shore Groundwater Monitoring Well
Location	West Shore
Request ID	89-07
Sampled	11/4/2020 1055
Submitted	11/4/2020 12:36:05 PM
Reported	11/10/2020
Taken by	D.Kuchinski
Method	Grab
Volume	2x40mL

Comments:	
Trip Blank prepared by MJReider 10/21/20.	

This analysis report was reviewed and approved by:

Julia Muller

Carpenter Technology Corportation - VOC Analysis Report



Batch Path C:\MassHunter\GCMS\1\data\2020 Data\201105 - Union Eff + MDL + West Shore Wells\QuantResults\Union Eff + MDL + West Shore Wells.batch.bin
Sample Name 89-07 **Acq. Time** 11/5/2020 6:04 PM
Data File 20114-WE-032.D **Date Received**
Acquisition operator MMK **Dilution** 1
GC/MS Column

Compound	Analysis Result	Units	Data Qualifiers	LOQ
1,1-Dichloroethylene	<2.00	µg/L		2.00
cis-1,2-Dichloroethylene	<2.00	µg/L		2.00
1,1,1-Trichloroethane	<2.00	µg/L		2.00
Trichloroethylene	2.01	µg/L		2.00
Tetrachloroethylene	<2.00	µg/L		2.00

GC/MS analysis performed using EPA Method 624.1

Limit of Quantitation adjusted based upon sample dilution factor

Data Qualifiers:

B Analyte also detected in blank

D Compound quantitated on diulted sample

E Concentration exceeded the calibration range of the instrument

J Estimated Value

ND None Detected

Carpenter Technology Corporation
Chemical Technology Group
1600 Centre Avenue
Reading, PA 19601

EPA Lab Code: PA00963
PA Accredited Lab ID#: 06-00688
NJ Laboratory Certification ID#: PA002



Chemical Analysis Report

Specimen ID	20114-WE-033	Requestor	Harry Pehote
Copies			

Sample Information

Description	West Shore Groundwater Monitoring Well
Location	West Shore
Request ID	92-04D
Sampled	11/4/2020 1016
Submitted	11/4/2020 12:36:18 PM
Reported	11/10/2020
Taken by	D.Kuchinski
Method	Grab
Volume	2x40mL

Comments:

Trip Blank prepared by MJReider 10/21/20.

This analysis report was reviewed and approved by:

Julia Mullen

Carpenter Technology Corporation - VOC Analysis Report



Batch Path C:\MassHunter\GCMS\1\data\2020 Data\201105 - Union Eff + MDL + West Shore Wells\QuantResults\Union Eff + MDL + West Shore Wells.batch.bin

Sample Name 92-04D Acq. Time 11/5/2020 6:30 PM
Data File 20114-WE-033.D Date Received
Acquisition operator MMK Dilution 1
GC/MS Column

Compound	Analysis Result	Units	Data Qualifiers	LOQ
1,1-Dichloroethylene	2.64	µg/L		2.00
cis-1,2-Dichloroethylene	<2.00	µg/L		2.00
1,1,1-Trichloroethane	2.18	µg/L		2.00
Trichloroethylene	8.72	µg/L		2.00
Tetrachloroethylene	<2.00	µg/L		2.00

GC/MS analysis performed using EPA Method 624.1

Limit of Quantitation adjusted based upon sample dilution factor

Data Qualifiers:

J Estimated Value

B Analyte also detected in blank

ND None Detected

D Compound quantitated on diluted sample

E Concentration exceeded the calibration range of the instrument

**Carpenter Technology Corporation
Chemical Technology Group**

1600 Centre Avenue
Reading, PA 19601

EPA Lab Code: PA00963
PA Accredited Lab ID#: 06-00688
NJ Laboratory Certification ID#: PA002



Chemical Analysis Report

Specimen ID	20114-WE-034	Requestor	Harry Pehote
Copies			

Sample Information

Description	West Shore Groundwater Monitoring Well
Location	West Shore
Request ID	92-05D
Sampled	11/4/2020 0834
Submitted	11/4/2020 12:36:33 PM
Reported	11/10/2020
Taken by	D.Kuchinski
Method	Grab
Volume	2x40mL

Comments:	
Trip Blank prepared by MJReider 10/21/20.	

This analysis report was reviewed and approved by:

Julia Mullen

Carpenter Technology Corporation - VOC Analysis Report



Batch Path C:\MassHunter\GCMS\1\data\2020 Data\201105 - Union Eff + MDL + West Shore Wells\QuantResults\Union Eff + MDL + West Shore Wells.batch.bin
Sample Name 92-05D **Acq. Time** 11/5/2020 6:57 PM
Data File 20114-WE-034.D **Date Received**
Acquisition operator MMK **Dilution** 1
GC/MS Column

Compound	Analysis Result	Units	Data Qualifiers	LOQ
1,1-Dichloroethylene	4.98	µg/L		2.00
cis-1,2-Dichloroethylene	6.66	µg/L		2.00
1,1,1-Trichloroethane	11.77	µg/L		2.00
Trichloroethylene	3.60	µg/L		2.00
Tetrachloroethylene	7.52	µg/L		2.00

GC/MS analysis performed using EPA Method 624.1

Limit of Quantitation adjusted based upon sample dilution factor

Data Qualifiers:

J Estimated Value

B Analyte also detected in blank

ND None Detected

D Compound quantitated on diluted sample

E Concentration exceeded the calibration range of the instrument

Carpenter Technology Corporation
Chemical Technology Group

1600 Centre Avenue
Reading, PA 19601

EPA Lab Code: PA00963
PA Accredited Lab ID#: 06-00688
NJ Laboratory Certification ID#: PA002



Chemical Analysis Report

Specimen ID	20114-WE-035	Requestor	Harry Pehote
Copies			

Sample Information

Description	West Shore Groundwater Monitoring Well
Location	West Shore
Request ID	92-07
Sampled	11/4/2020 0747
Submitted	11/4/2020 12:36:45 PM
Reported	11/10/2020
Taken by	D.Kuchinski
Method	Grab
Volume	2x40mL

Comments:	
Trip Blank prepared by MJReider 10/21/20.	

This analysis report was reviewed and approved by:

Julia Muller

Carpenter Technology Corporation - VOC Analysis Report



Batch Path C:\MassHunter\GCMS\1\data\2020 Data\201105 - Union Eff + MDL + West Shore Wells\QuantResults\Union Eff + MDL + West Shore Wells.batch.bin
Sample Name 92-07 **Acq. Time** 11/5/2020 8:16 PM
Data File 20114-WE-035.D **Date Received**
Acquisition operator MMK **Dilution** 1
GC/MS Column

Compound	Analysis Result	Units	Data Qualifiers	LOQ
1,1-Dichloroethylene	4.59	µg/L		2.00
cis-1,2-Dichloroethylene	21.37	µg/L		2.00
1,1,1-Trichloroethane	<2.00	µg/L		2.00
Trichloroethylene	4.76	µg/L		2.00
Tetrachloroethylene	14.20	µg/L		2.00

GC/MS analysis performed using EPA Method 624.1

Limit of Quantitation adjusted based upon sample dilution factor

Data Qualifiers:

B Analyte also detected in blank

D Compound quantitated on diluted sample

E Concentration exceeded the calibration range of the instrument

J Estimated Value

ND None Detected

Carpenter Technology Corporation
Chemical Technology Group

1600 Centre Avenue
Reading, PA 19601

EPA Lab Code: PA00963
PA Accredited Lab ID#: 06-00688
NJ Laboratory Certification ID#: PA002



Chemical Analysis Report

Specimen ID	20114-WE-036	Requestor	Harry Pehote
Copies			

Sample Information

Description	West Shore Groundwater Monitoring Well
Location	West Shore
Request ID	Duplicate
Sampled	11/4/2020 0840
Submitted	11/4/2020 12:36:56 PM
Reported	11/10/2020
Taken by	D.Kuchinski
Method	Grab
Volume	2x40mL

Comments:	
Trip Blank prepared by MJReider 10/21/20.	

This analysis report was reviewed and approved by:

Julia Muller

Carpenter Technology Corporation - VOC Analysis Report



Batch Path C:\MassHunter\GCMS\1\data\2020 Data\201105 - Union Eff + MDL + West Shore Wells\QuantResults\Union Eff + MDL + West Shore Wells.batch.bin
Sample Name Duplicate **Acq. Time** 11/5/2020 8:42 PM
Data File 20114-WE-036.D **Date Received**
Acquisition operator MMK **Dilution** 1
GC/MS Column

Compound	Analysis Result	Units	Data Qualifiers	LOQ
1,1-Dichloroethylene	4.75	µg/L		2.00
cis-1,2-Dichloroethylene	6.29	µg/L		2.00
1,1,1-Trichloroethane	11.16	µg/L		2.00
Trichloroethylene	3.56	µg/L		2.00
Tetrachloroethylene	7.22	µg/L		2.00

GC/MS analysis performed using EPA Method 624.1

Limit of Quantitation adjusted based upon sample dilution factor

Data Qualifiers:

J Estimated Value

B Analyte also detected in blank

ND None Detected

D Compound quantitated on diluted sample

E Concentration exceeded the calibration range of the instrument



2011040355 L68GCMS1

Trip Blank

West Shore Groundwater Monitoring

RQ-110420-000028 20114-WE-028

Due Date: 11/20/20

Sample Date: 11/4/20

Sample Time: 0855



2011040356 L68GCMS1

Field Blank

West Shore Groundwater Monitoring

RQ-110420-000029 20114-WE-029

Due Date: 11/20/20

Sample Date: 11/4/20

Sample Time: 1016



2011040357 L68GCMS1

Rinsate

West Shore Groundwater Monitoring

RQ-110420-000030 20114-WE-030

Due Date: 11/20/20

Sample Date: 11/4/20



2011040358 L68GCMS1

89-01

West Shore Groundwater Monitoring

RQ-110420-000031 20114-WE-031

Due Date: 11/20/20

Sample Date: 11/4/20



2011040359 L68GCMS1

89-07

West Shore Groundwater Monitoring

RQ-110420-000032 20114-WE-032

Due Date: 11/20/20

Sample Date: 11/4/20



2011040360 L68GCMS1

92-04D

West Shore Groundwater Monitoring

RQ-110420-000033 20114-WE-033

Due Date: 11/20/20

Sample Date: 11/4/20



2011040361 L68GCMS1

92-05D

West Shore Groundwater Monitoring

RQ-110420-000034 20114-WE-034

Due Date: 11/20/20

Sample Date: 11/4/20

Sample Time: 0831



2011040362 L68GCMS1

92-07

West Shore Groundwater Monitoring

RQ-110420-000035 20114-WE-035

Due Date: 11/20/20

Sample Date: 11/4/20



2011040363 L68GCMS1

Duplicate

West Shore Groundwater Monitoring

RQ-110420-000036 20114-WE-036

Due Date: 11/20/20

Sample Date: 11/4/20

Sample Time: 0840

Sampling Location : West Shore Wells	
Sampling Method : Grab	
Turnaround Time Requested :	Date Submitted : 11/4/20
Requested By : H. Penote	Sampling Personnel : D. Kuchinski
Copies :	Charge # (office use only)
Sample/Waste Code :	
Remarks : Trip Blank prep by m. Reider 10/21/20	
Remarks :	

Sample Identification	Date Collected	Time Collected	Quantity	Preservative
Trip Blank	11/4/20	0855	2 x 40 mL	HCl
Field Blank		1016		
Rinsate		1105		
89-01		0913		
89-07		1055		
92-04D		1016		
92-05D		0834		
92-07		0747		
Duplicate		0840		

Analysis Requested	
NPDES WTP Effluent	Leachate
West Shore Wells	Solid Waste
Hartman Tract Wells	Waste Analysis Plan (WAP)
City Sample	Industrial Hygiene
Waste Acids	Outside Lab
Slag	See Back of Form

Chain of Custody		
Relinquished by: (signature)	Date/Time	Received by: (signature)
<i>[Signature]</i>	11/4/20 1143	<i>[Signature]</i>



M.J. Reider Associates, Inc.

107 Angelica St, Reading PA, 19611

610-374-5129 www.mjreider.com

WORK ORDER
Chain of Custody

2036566

Client Code: 0119

Project Manager: Twila E Dixon

Report To: Spots Stevens and McCoy - Dave Kuchinski - 1047 North Park Road, P.O. Box 6307, Reading, PA 19610

Invoice To: Spots Stevens and McCoy - Accounts Payable - 1047 North Park Road, P.O. Box 6307, Reading, PA 19610

Client: Spots Stevens and McCoy

Project: 1752 - Carpenter Semiannual Wells Containers only

Collected By: Dave Kuchinski

Comments: _____

2036566-01 89-01 Carpenter Tech

No Analysis_Container Prep Only

2036566-02 89-07 Carpenter Tech

No Analysis_Container Prep Only

2036566-03 92-04D Carpenter Tech

No Analysis_Container Prep Only

2036566-04 92-05D Carpenter Tech

No Analysis_Container Prep Only

2036566-05 92-07 Carpenter Tech

No Analysis_Container Prep Only

2036566-06 Trip Blank Carpenter Tech

No Analysis_Container Prep Only

Disinfectant By: D. Kuchinski Date/Time: 11/4/20

Received By: _____ Date/Time: _____

Received at Laboratory By: _____ Date/Time: _____

Matrix: Non-Potable Water

Type: Grab

A - Vial 40ml Asc & HCL (pH<2), zero hdspe

B - Vial 40ml Asc & HCL (pH<2), zero hdspe

Matrix: Non-Potable Water

Type: Grab

A - Vial 40ml Asc & HCL (pH<2), zero hdspe

B - Vial 40ml Asc & HCL (pH<2), zero hdspe

Matrix: Non-Potable Water

Type: Grab

A - Vial 40ml Asc & HCL (pH<2), zero hdspe

B - Vial 40ml Asc & HCL (pH<2), zero hdspe

Matrix: Non-Potable Water

Type: Grab

A - Vial 40ml Asc & HCL (pH<2), zero hdspe

B - Vial 40ml Asc & HCL (pH<2), zero hdspe

Matrix: Non-Potable Water

Type: Grab

A - Vial 40ml Asc & HCL (pH<2), zero hdspe

B - Vial 40ml Asc & HCL (pH<2), zero hdspe

Matrix: Non-Potable Water

Type: Trip Blank

A - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspe

B - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspe

Sample Kit Prepared By: TSV

Date/Time: 10-26-20

Sample Temp (°C): 10

Samples on Ice? Yes

Approved By: _____

Entered By: _____



M.J. Reider Associates, Inc.

2036566

Client Code: 0119
Project Manager: Twilla E Dixon

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

Collected By :
(Full Name)

Comments:

2036566-07 Field Blank Carpenter Tech

No Analysis_Container Prep Only

Matrix: Non-Potable Water

Type: Field Blank

Date: 11/1/20
Time: 10:10

A - Vial 40ml Asc & HCL (pH<2), zero hdspe
B - Vial 40ml Asc & HCL (pH<2), zero hdspe

2036566-08 Duplicate Blank Carpenter Tech

No Analysis_Container Prep Only

Matrix: Non-Potable Water

Type: Grab

Date: 11/1/20
Time: 08:40

A - Vial 40ml Asc & HCL (pH<2), zero hdspe
B - Vial 40ml Asc & HCL (pH<2), zero hdspe

2036566-09 Rinsate Blank Carpenter Tech

No Analysis_Container Prep Only

Matrix: Non-Potable Water

Type: Grab

Date: 11/1/20
Time: 11:05

A - Vial 40ml Asc & HCL (pH<2), zero hdspe
B - Vial 40ml Asc & HCL (pH<2), zero hdspe

Demiquished By: [Signature] 11/1/20

Relinquished By

Date/Time

Received By

Date/Time

Received By

Date/Time

Received By

Date/Time

Received at Laboratory By

Date/Time

By having the client's agent sign, agrees to MIRA's Terms and Conditions and services including any additional associated fees incurred.

Sample Kit Prepared By:

Date/Time

JSV

10-26-20

Sample Temp (°C):

Samples on Ice?

Yes No N/A

Approved By:

Entered By: