Average Concentration Data Last Two Years

Values reported at 5 ug/l were <5 Results

Well	ug/l	PCE	TCE
89-01	12/04/12	16	6
89-01	06/05/13	12	5
89-01	10/24/13	16	6
89-01	06/10/14	9	5
	Average:	**13.3**	**5.5**
2008/2009 PENTOXSD Model Values:		**30.8**	**8.3**
89-07	12/04/12	5	5
89-07	06/05/13	5	5
89-07	10/24/13	5	5
89-07	06/10/14	5	5
	Average:	**5.0**	**5.0**
2008/2009 PENTOXSD Model Values:		**5.0**	**5.0**
92-04D	12/04/12	5	7
92-04D	06/05/13	5	9
92-04D	10/24/13	5	5
92-04D	06/10/14	5	7
	Average:	**5.0**	**7.0**
2008/2009 PENTOXSD Model Values:		**5.0**	**7.5**
92-05D	12/04/12	11	6
92-05D	06/05/13	10	5
92-05D	10/24/13	13	6
92-05D	06/10/14	7	5
	Average:	**10.3**	**5.5**
2008/2009 PENTOXSD Model Values:		**11.0**	**5.0**
92-07	12/04/12	33	11
92-07	06/05/13	30	10
92-07	10/24/13	35	11
92-07	06/10/14	24	5
	Average:	**30.5**	**9.3**
2008/2009 PENTOXSD Model Values:		**36.3**	**10.3**

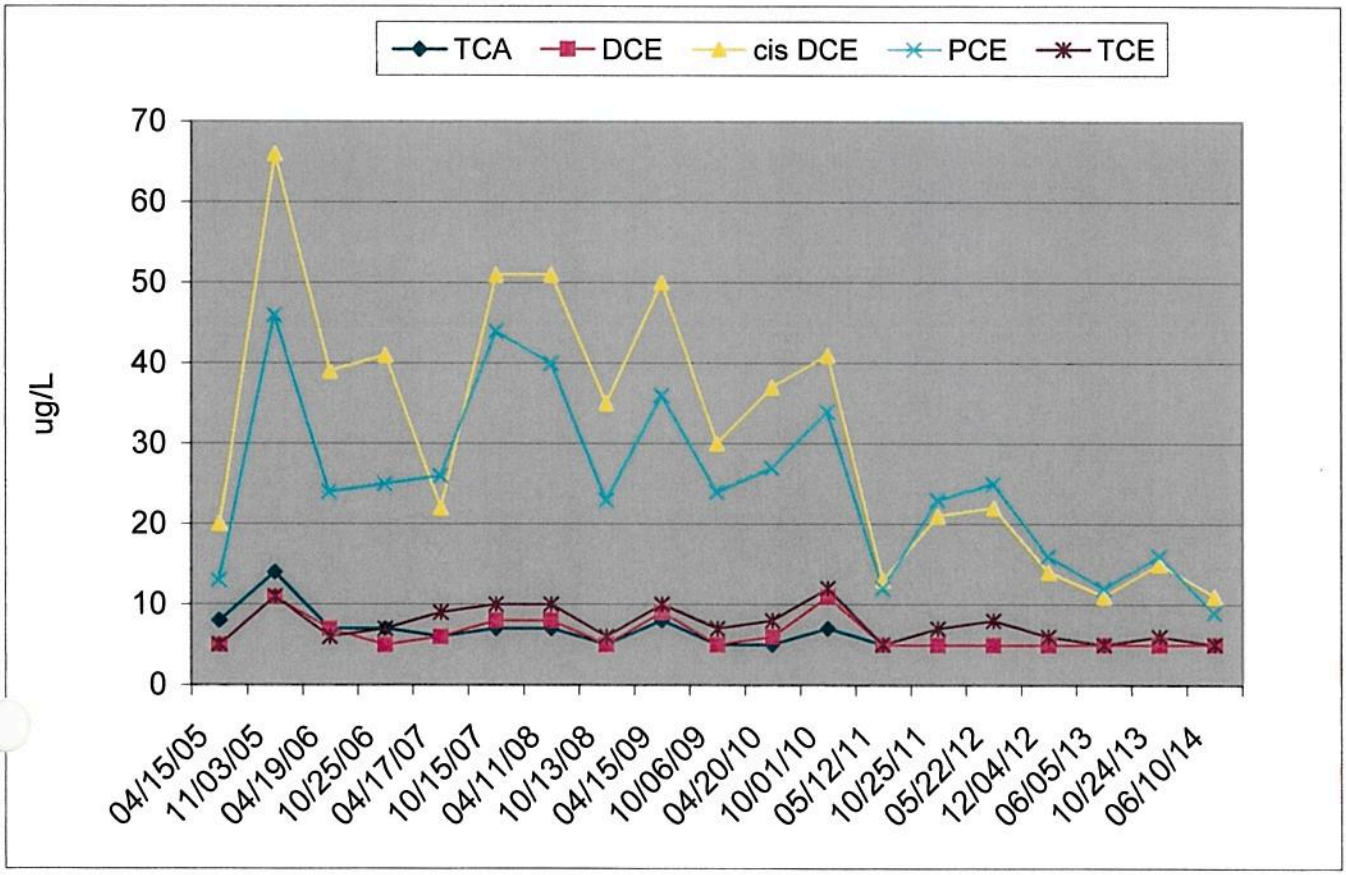
	ug/l:	PCE	TCE
Current Two Year Average:		**12.8**	**6.5**
Site 2008/2009 PennTox Model Values:		**17.6**	**7.2**

89-01 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	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

* non-use aquifer

5 = <5 ug/l

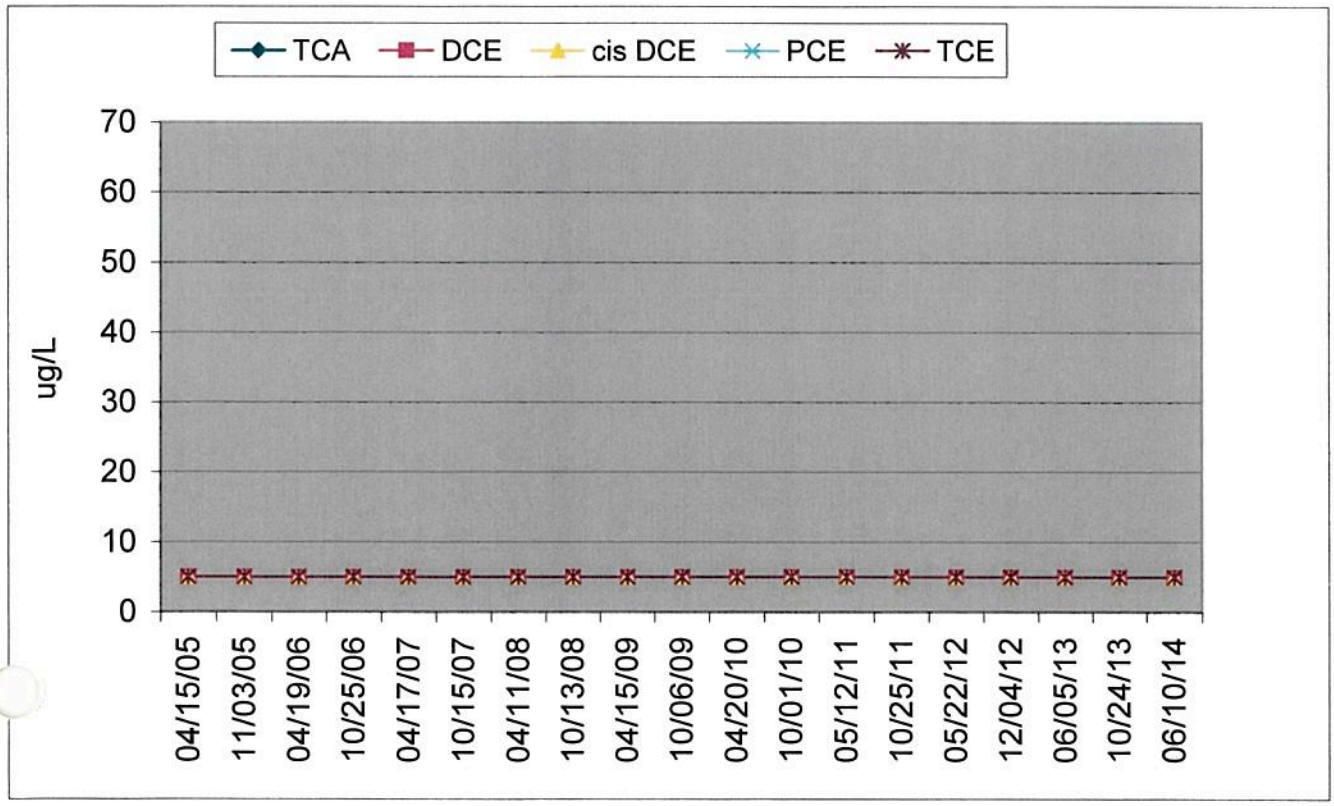


89-07 **ug/l**

Year	TCA	DCE	cis DCE	PCE	TCE
PADEP MSC*	2000	70	700	50	50
MCL:	200	7	70	5	5
04/15/05	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

non-use aquifer

5 = <5 ug/l

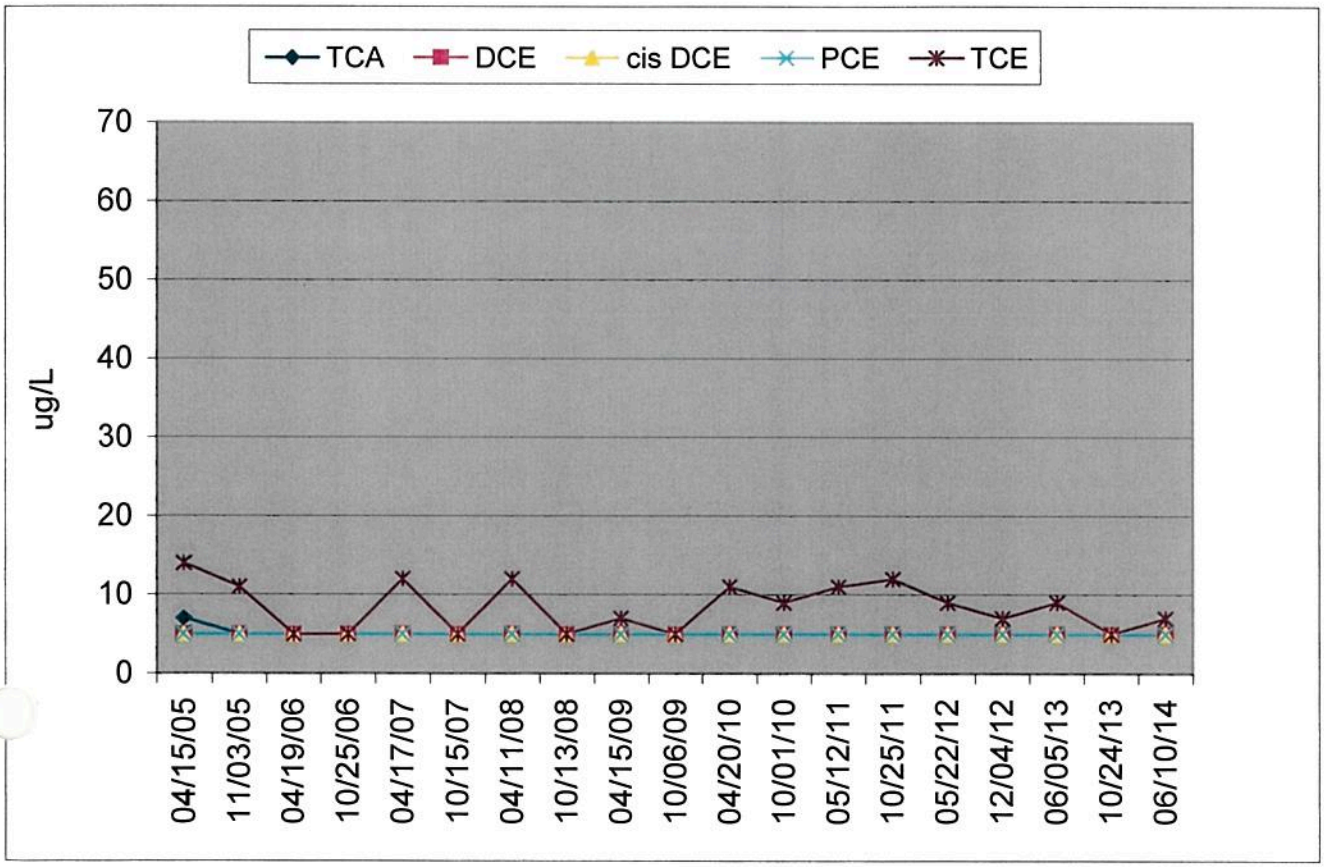


92-04D ug/l

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

non-use aquifer

5 = <5 ug/l

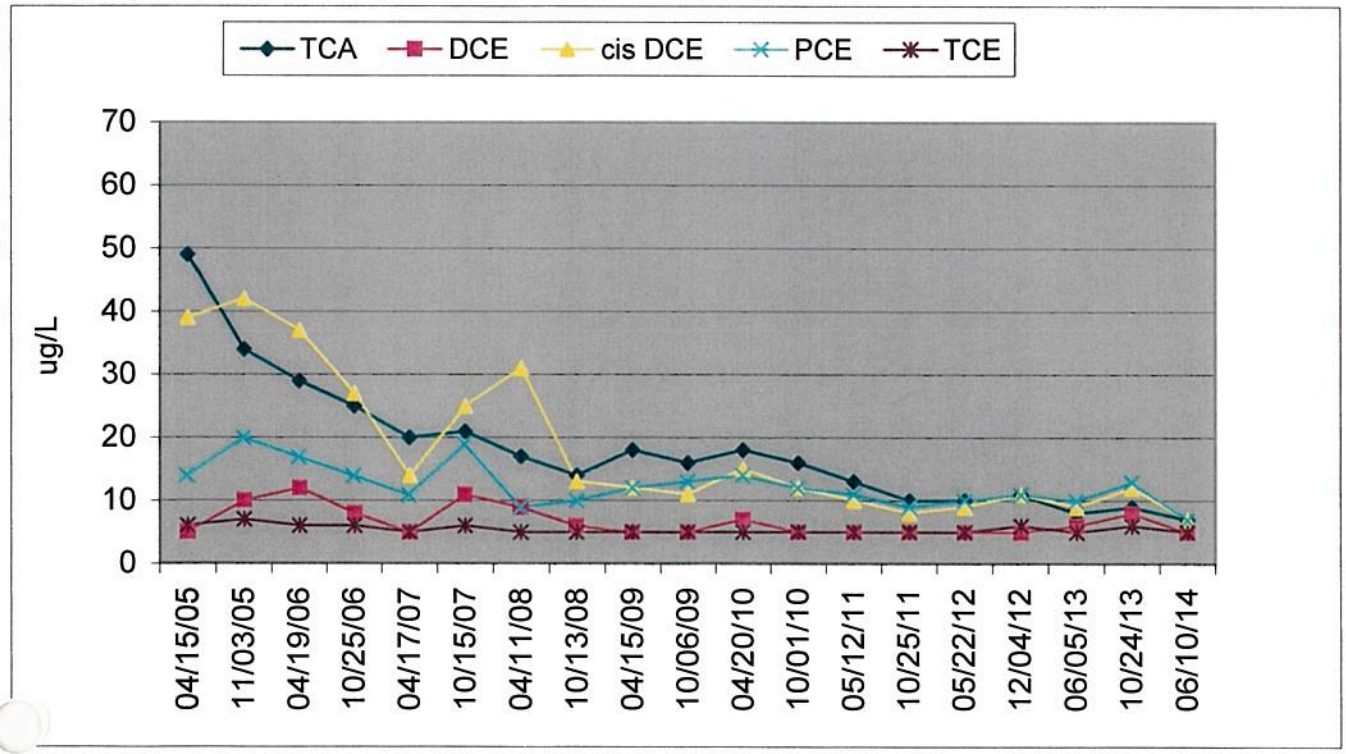


92-05D ug/l

Year	TCA	DCE	cis DCE	PCE	TCE
PADEP MSC*	2000	70	700	50	50
MCL:	200	7	70	5	5
04/15/05	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

non-use aquifer

5 = <5 ug/l

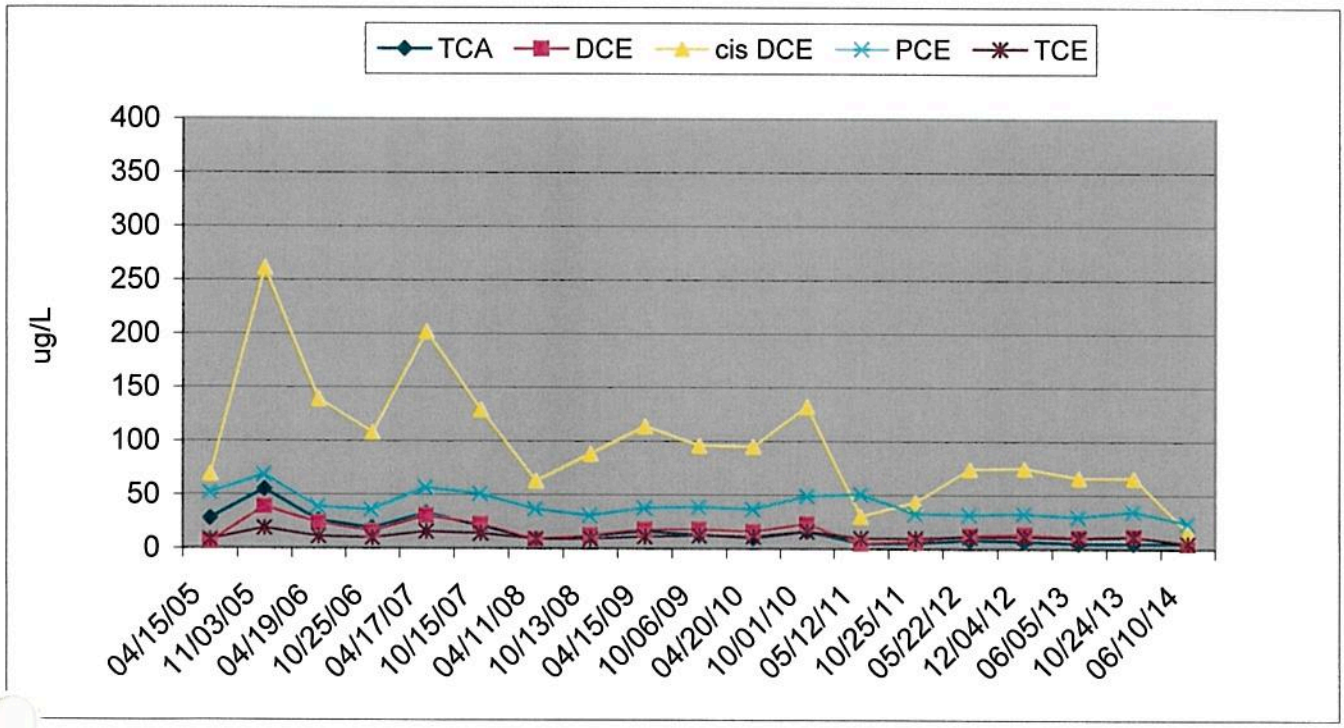


92-07 ug/l

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

non-use aquifer

5 = <5 ug/l



Carpenter Technology Corporation
Chemical Technology Group

CARPENTER

Chemical Analysis Report

Sample ID	***E24936***	**Requestor**	*Sean McGowan*
Copies	CPolinko		

Sample Information

Description	West Shore Groundwater Monitoring Well		
Location	89-01		
Code	R-WE-WEST-89-01X		
Requestor ID	89-01		
Sampled	06/10/2014	**Time**	1053
Submitted	06/10/2014		
Reported	06/17/2014		
Taken by	Andrew Shambach (S.S.M.)		
Method	Grab		
Volume	2 x 40 mls		
Comments			
Semi-annual sample			

This analysis report was reviewed and approved by: Tim Oswald

Carpenter Technology Corporation
R&D Chemical Laboratory
Volatile Organics Analysis Report

Sample Name:	West Shore Well 89-01
Data File Name:	E24936.D
Date Acquired:	6/13/2014 18:20
Sample Multiplier:	1
Operator:	TDO

Compound Name		Analysis Result	Units	LOQ
1,1-Dichloroethene	<	5.0	ug/L	5.0
cis-1,2-Dichloroethene		10.5	ug/L	5.0
1,1,1-Trichloroethane	<	5.0	ug/L	5.0
Trichloroethene	<	5.0	ug/L	5.0
Tetrachloroethene		8.9	ug/L	5.0

GC/MS analysis performed using EPA Method 624 and Limits of Quantitation (LOQ).

Carpenter Technology Corporation
Chemical Technology Group

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Chemical Analysis Report

Sample ID	***E24937***	**Requestor**	*Sean McGowan*
Copies	CPolinko		

Sample Information

Description	West Shore Groundwater Monitoring Well		
Location	89-07		
Code	R-WE-WEST-89-07X		
Requestor ID	89-07		
Sampled	06/10/2014	**Time**	1250
Submitted	06/10/2014		
Reported	06/17/2014		
Taken by	Andrew Shambach (S.S.M.)		
Method	Grab		
Volume	2 x 40 mls		
Comments			
Semi-annual sample			

This analysis report was reviewed and approved by: Tim Osmold

Carpenter Technology Corporation
R&D Chemical Laboratory
Volatile Organics Analysis Report

Sample Name:	West Shore Well 89-07
Data File Name:	E24937.D
Date Acquired:	6/13/2014 18:47
Sample Multiplier:	1
Operator:	TDO

Compound Name		Analysis Result	Units	LOQ
1,1-Dichloroethene	<	5.0	ug/L	5.0
cis-1,2-Dichloroethene	<	5.0	ug/L	5.0
1,1,1-Trichloroethane	<	5.0	ug/L	5.0
Trichloroethene	<	5.0	ug/L	5.0
Tetrachloroethene	<	5.0	ug/L	5.0

GC/MS analysis performed using EPA Method 624 and Limits of Quantitation (LOQ).

Carpenter Technology Corporation
Chemical Technology Group

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Chemical Analysis Report

Sample ID	***E24938***	**Requestor**	*Sean McGowan*
Copies	CPolinko		

Sample Information

Description	West Shore Groundwater Monitoring Well		
Location	92-04D		
Code	R-WE-WEST-92-04D		
Requestor ID	92-04D		
Sampled	06/10/2014	**Time**	1211
Submitted	06/10/2014		
Reported	06/17/2014		
Taken by	Andrew Shambach (S.S.M.)		
Method	Grab		
Volume	2 x 40 mls		
Comments			
Semi-annual sample			

This analysis report was reviewed and approved by: Tim Osnald

Carpenter Technology Corporation
R&D Chemical Laboratory
Volatile Organics Analysis Report

Sample Name:	West Shore Well 92-04D
Data File Name:	E24938.D
Date Acquired:	6/13/2014 19:14
Sample Multiplier:	1
Operator:	TDO

Compound Name		Analysis Result	Units	LOQ
1,1-Dichloroethene	<	5.0	ug/L	5.0
cis-1,2-Dichloroethene	<	5.0	ug/L	5.0
1,1,1-Trichloroethane	<	5.0	ug/L	5.0
Trichloroethene		7.3	ug/L	5.0
Tetrachloroethene	<	5.0	ug/L	5.0

GC/MS analysis performed using EPA Method 624 and Limits of Quantitation (LOQ).

Carpenter Technology Corporation
Chemical Technology Group

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Chemical Analysis Report

Sample ID	***E24939***	**Requestor**	*Sean McGowan*
Copies	CPolinko		

Sample Information

Description	West Shore Groundwater Monitoring Well		
Location	92-05D		
Code	R-WE-WEST-92-05D		
Requestor ID	92-05D		
Sampled	06/10/2014	**Time**	0940
Submitted	06/10/2014		
Reported	06/17/2014		
Taken by	Andrew Shambach (S.S.M.)		
Method	Grab		
Volume	2 x 40 mls		
Comments			
Semi-annual sample			

This analysis report was reviewed and approved by: Tim Osmald

Carpenter Technology Corporation
R&D Chemical Laboratory
Volatile Organics Analysis Report

Sample Name:	West Shore Well 92-05D
Data File Name:	E24939.D
Date Acquired:	6/13/2014 19:41
Sample Multiplier:	1
Operator:	TDO

Compound Name		Analysis Result	Units	LOQ
1,1-Dichloroethene	<	5.0	ug/L	5.0
cis-1,2-Dichloroethene		6.7	ug/L	5.0
1,1,1-Trichloroethane		7.2	ug/L	5.0
Trichloroethene	<	5.0	ug/L	5.0
Tetrachloroethene		6.8	ug/L	5.0

GC/MS analysis performed using EPA Method 624 and Limits of Quantitation (LOQ).

Carpenter Technology Corporation
Chemical Technology Group

CARPENTER

Chemical Analysis Report

Sample ID	***E24940***	**Requestor**	*Sean McGowan*
Copies	CPolinko		

Sample Information

Description	West Shore Groundwater Monitoring Well		
Location	92-07		
Code	R-WE-WEST-92-07X		
Requestor ID	92-07		
Sampled	06/10/2014	**Time**	1015
Submitted	06/10/2014		
Reported	06/17/2014		
Taken by	Andrew Shambach (S.S.M.)		
Method	Grab		
Volume	2 x 40 mls		
Comments			
Semi-annual sample			

This analysis report was reviewed and approved by: Tim Osgood

Carpenter Technology Corporation
R&D Chemical Laboratory
Volatile Organics Analysis Report

Sample Name:	West Shore Well 92-07
Data File Name:	E24940.D
Date Acquired:	6/13/2014 21:30
Sample Multiplier:	1
Operator:	TDO

Compound Name		Analysis Result	Units	LOQ
1,1-Dichloroethene	<	5.0	ug/L	5.0
cis-1,2-Dichloroethene		16.2	ug/L	5.0
1,1,1-Trichloroethane	<	5.0	ug/L	5.0
Trichloroethene	<	5.0	ug/L	5.0
Tetrachloroethene		24.3	ug/L	5.0

GC/MS analysis performed using EPA Method 624 and Limits of Quantitation (LOQ).