

Rhineland PFAS/PFOA Results Comparison

"[] Values" are between LOD and LOQ, region of less certain quantitation.

"Change" is difference between sample rounds, negative represents decrease and positive represents increase.

"Round Date" displayed is the sample collection date.

Well 4

Analyte Name	Results (ppt)		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 12 (11/02/2020)	
perfluorobutanesulfonic acid (PFBS)	ND	ND	
perfluorohexanoic acid (PFHxA)	[3.77]	[1.22]	-2.55
perfluoroheptanoic acid (PFHpA)	3.11	1.39	-1.72
perfluorohexanesulfonic acid (PFHxS)	ND	ND	
perfluorooctanoic acid (PFOA)	8.02	3.58	-4.44
perfluorononanoic acid (PFNA)	ND	ND	
perfluorooctanesulfonic acid (PFOS)	ND	[1.12]	1.12
perfluorodecanoic acid (PFDA)	ND	ND	
perfluoroundecanoic acid (PFUnA)	ND	ND	
perfluorododecanoic acid (PFDoA)	ND	ND	
perfluorotridecanoic acid (PFTrDA)	ND	ND	
perfluorotetradecanoic acid (PFTA)	ND	ND	

Well 5

Analyte Name	Results (ppt)		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 12 (11/02/2020)	
perfluorobutanesulfonic acid (PFBS)	ND	ND	
perfluorohexanoic acid (PFHxA)	8.29	3.43	-4.86
perfluoroheptanoic acid (PFHpA)	5.78	3.09	-2.69
perfluorohexanesulfonic acid (PFHxS)	ND	ND	
perfluorooctanoic acid (PFOA)	6.45	3.84	-2.61
perfluorononanoic acid (PFNA)	ND	ND	
perfluorooctanesulfonic acid (PFOS)	[2.67]	2	-0.67
perfluorodecanoic acid (PFDA)	ND	ND	
perfluoroundecanoic acid (PFUnA)	ND	ND	
perfluorododecanoic acid (PFDoA)	ND	ND	
perfluorotridecanoic acid (PFTrDA)	ND	ND	
perfluorotetradecanoic acid (PFTA)	ND	ND	

Well 6

Analyte Name	Results (ppt)		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 12 (11/02/2020)	
perfluorobutanesulfonic acid (PFBS)	ND	[0.68]	0.68
perfluorohexanoic acid (PFHxA)	[2.38]	3.45	1.07
perfluoroheptanoic acid (PFHpA)	[1.61]	2.99	1.38
perfluorohexanesulfonic acid (PFHxS)	ND	[1.53]	1.53
perfluorooctanoic acid (PFOA)	[3.88]	6.39	2.51
perfluorononanoic acid (PFNA)	ND	ND	
perfluorooctanesulfonic acid (PFOS)	ND	ND	
perfluorodecanoic acid (PFDA)	ND	ND	
perfluoroundecanoic acid (PFUnA)	ND	ND	
perfluorododecanoic acid (PFDoA)	ND	ND	
perfluorotridecanoic acid (PFTrDA)	ND	ND	
perfluorotetradecanoic acid (PFTA)	ND	ND	

Well 7

Analyte Name	Results (ppt)		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 9 (11/02/2020)	
perfluorobutanesulfonic acid (PFBS)	28.4	ND	-28.4
perfluorohexanoic acid (PFHxA)	49.9	[0.93]	-48.97
perfluoroheptanoic acid (PFHpA)	15.9	[0.78]	-15.12
perfluorohexanesulfonic acid (PFHxS)	590	2.07	-587.93
perfluorooctanoic acid (PFOA)	25.2	1.22	-23.98
perfluorononanoic acid (PFNA)	ND	ND	
perfluorooctanesulfonic acid (PFOS)	79.6	[0.71]	-78.89
perfluorodecanoic acid (PFDA)	ND	ND	
perfluoroundecanoic acid (PFUnA)	ND	ND	
perfluorododecanoic acid (PFDoA)	ND	ND	
perfluorotridecanoic acid (PFTrDA)	ND	ND	
perfluorotetradecanoic acid (PFTA)	ND	ND	

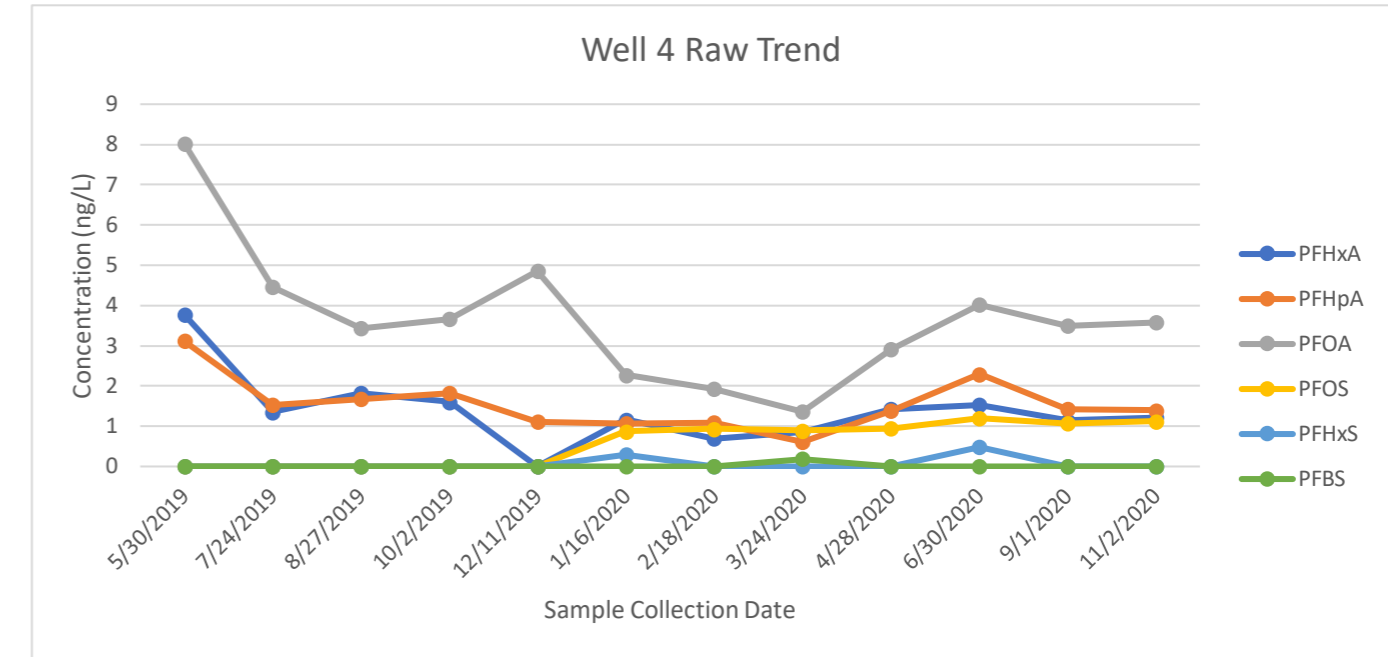
Well 8

Analyte Name	Results (ppt)		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 8 (11/02/2020)	
perfluorobutanesulfonic acid (PFBS)	ND	ND	
perfluorohexanoic acid (PFHxA)	[2.08]	ND	-2.08
perfluoroheptanoic acid (PFHpA)	ND	ND	
perfluorohexanesulfonic acid (PFHxS)	[7.25]	ND	-7.25
perfluorooctanoic acid (PFOA)	[1.72]	ND	-1.72
perfluorononanoic acid (PFNA)	ND	ND	
perfluorooctanesulfonic acid (PFOS)	ND	ND	
perfluorodecanoic acid (PFDA)	ND	ND	
perfluoroundecanoic acid (PFUnA)	ND	ND	
perfluorododecanoic acid (PFDoA)	ND	ND	
perfluorotridecanoic acid (PFTrDA)	ND	ND	
perfluorotetradecanoic acid (PFTA)	ND	ND	

KEY	
perfluorobutanesulfonic acid	PFBS
perfluorohexanoic acid	PFHxA
perfluoroheptanoic acid	PFHpA
perfluorohexanesulfonic acid	PFHxS
perfluorooctanoic acid	PFOA
perfluorononanoic acid	PFNA
perfluorooctanesulfonic acid	PFOS
perfluorodecanoic acid	PFDA
perfluoroundecanoic acid	PFUnA
perfluorododecanoic acid	PFDoA
perfluorotridecanoic acid	PFTriDA
perfluorotetradecanoic acid	PFTA

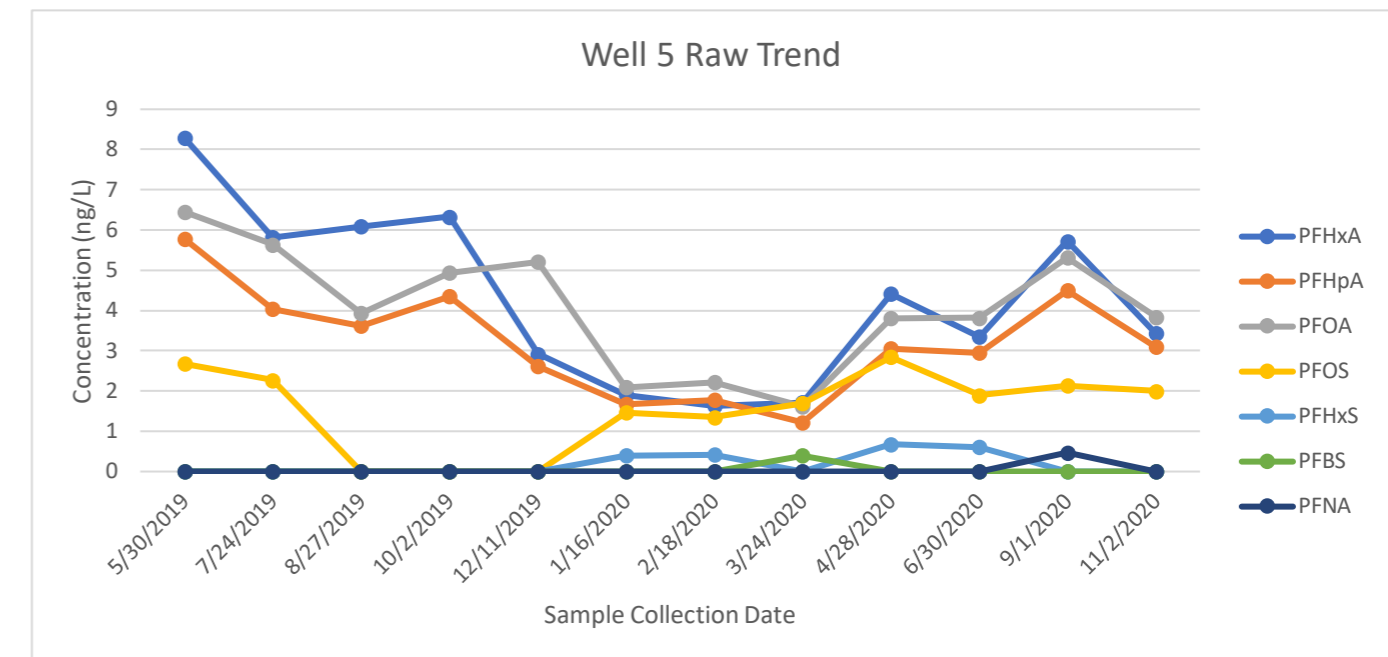
Well 4

Date	Compound and Concentration (ng/L)											
	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTriDA	PFTA
5/30/2019	0	3.77	3.11	0	8.02		0					
7/24/2019	0	1.35	1.53	0	4.45		0					
8/27/2019	0	1.82	1.67	0	3.43		0					
10/2/2019	0	1.6	1.82	0	3.66		0					
12/11/2019	0	0	1.11	0	4.86		0					
1/16/2020	0	1.16	1.06	0.286	2.27		0.87					
2/18/2020	0	0.69	1.08	0	1.93		0.93					
3/24/2020	0.18	0.86	0.61	0	1.36		0.89					
4/28/2020	0	1.42	1.38	0	2.9		0.95					
6/30/2020	0	1.52	2.29	0.48	4.01		1.2					
9/1/2020	0	1.14	1.43	0	3.49		1.06					
11/2/2020	0	1.22	1.39	0	3.58		1.12					



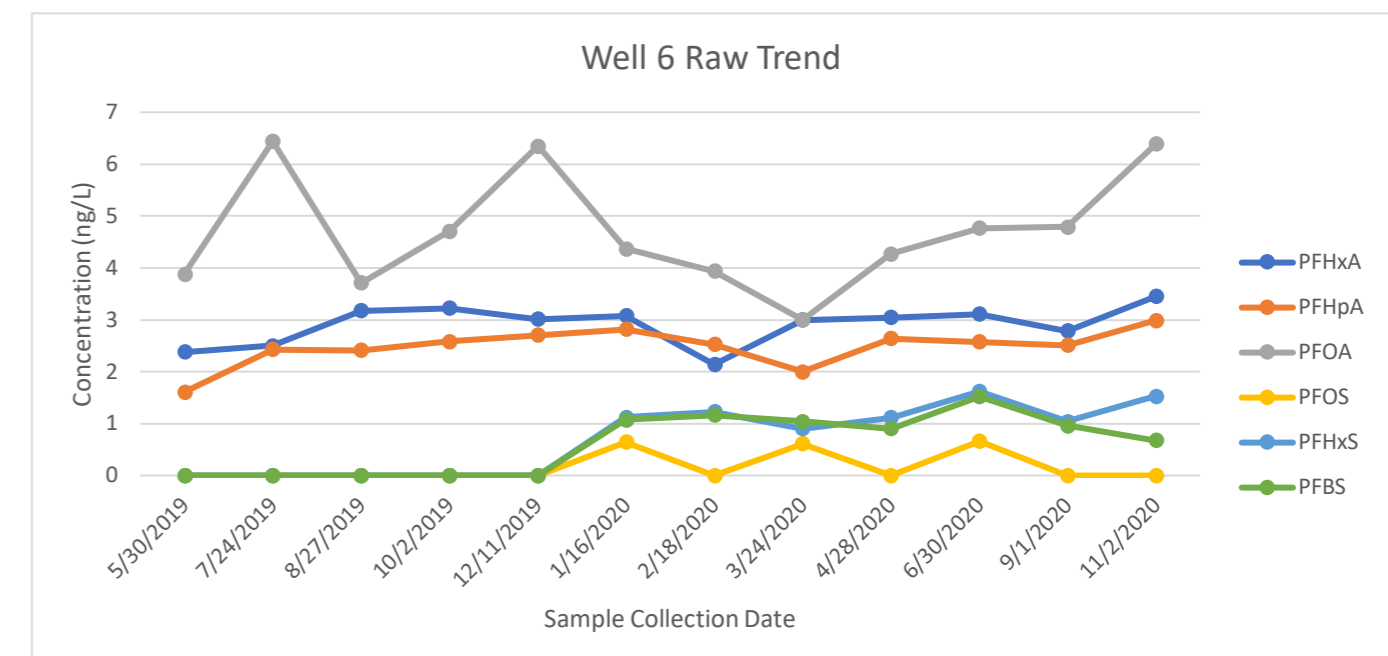
Well 5

Date	Compound and Concentration (ng/L)											
	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTriDA	PFTA
5/30/2019	0	8.29	5.78	0	6.45	0	2.67					
7/24/2019	0	5.82	4.04	0	5.64	0	2.27					
8/27/2019	0	6.09	3.62	0	3.94	0	0					
10/2/2019	0	6.33	4.35	0	4.94	0	0					
12/11/2019	0	2.92	2.61	0	5.21	0	0					
1/16/2020	0	1.9	1.68	0.402	2.09	0	1.46					
2/18/2020	0	1.63	1.77	0.41	2.21	0	1.35					
3/24/2020	0.39	1.72	1.22	0	1.62	0	1.69					
4/28/2020	0	4.41	3.05	0.68	3.81	0	2.84					
6/30/2020	0	3.34	2.95	0.61	3.82	0	1.89					
9/1/2020	0	5.72	4.49	0	5.32	0.47	2.13					
11/2/2020	0	3.43	3.09	0	3.84	0	2					



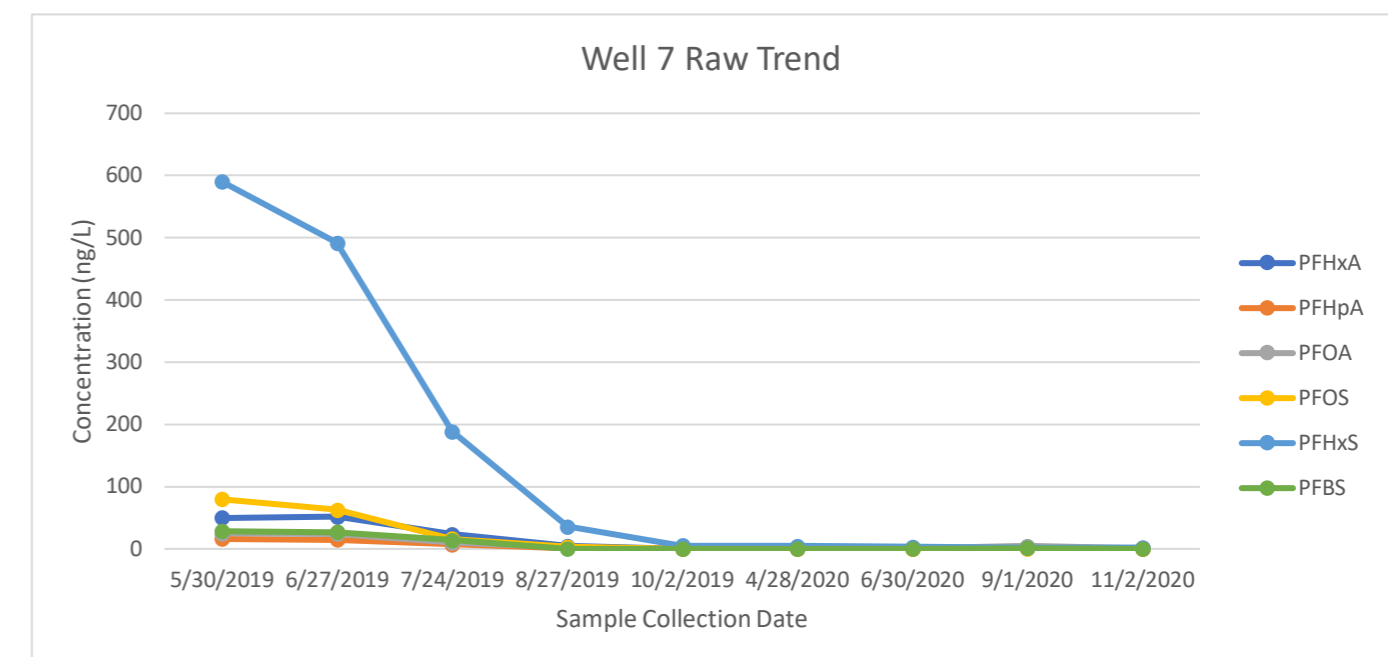
Well 6

Date	Compound and Concentration (ng/L)											
	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTriDA	PFTA
5/30/2019	0	2.38	1.61	0	3.88		0					
7/24/2019	0	2.5	2.43	0	6.44		0					
8/27/2019	0	3.17	2.41	0	3.71		0					
10/2/2019	0	3.22	2.58	0	4.71		0					
12/11/2019	0	3.01	2.7	0	6.35		0					
1/16/2020	1.07	3.08	2.82	1.12	4.37		0.642					
2/18/2020	1.16	2.14	2.53	1.23	3.94		0					
3/24/2020	1.04	3	2	0.9	3		0.61					
4/28/2020	0.9	3.04	2.64	1.11	4.27		0					
6/30/2020	1.52	3.11	2.57	1.62	4.76		0.66					
9/1/2020	0.96	2.78	2.51	1.04	4.79		0					
11/2/2020	0.68	3.45	2.99	1.53	6.39		0					



Well 7

Date	Compound and Concentration (ng/L)											
	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTriDA	PFTA
5/30/2019	28.4	49.9	15.9	590	25.2		79.6					
6/27/2019	27.1	51.9	15	492	23.9		63					
7/24/2019	14.4	23.7	7.11	189	10.3		15.8					
8/27/2019	0	4.73	1.53	35.9	2.4		3.42					
10/2/2019	0	0	0	5.31	0		0					
4/28/2020	0	1.1	0.63	4.45	0.83		0.77					
6/30/2020	0	1.04	0.54	3.55	0.89		0.41					
9/1/2020	1.12	2.78	2.77	1.82	4.66		0					
11/2/2020	0	0.93	0.78	2.07	1.22		0.71					



Well 8

Date	Compound and Concentration (ng/L)											
	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTriDA	PFTA
5/30/2019	0	2.08	0	7.25	1.72		0					
7/24/2019	0	2.39	1.56	18.9	2.53		0					
8/27/2019	0	5.51	2.83	37.9	3.44		0					
10/2/2019	9.5	12.3	4.87	90.1	4.86		7.46					
4/28/2020	0	0	0	0	0.42		0					
6/30/2020	0	0	0	0.47	0		0					
9/1/2020	0	0	0	0	0		0					
11/2/2020	0	0	0	0	0		0					

