

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 17 (03/01/2022)	
perfluorobutanesulfonic acid (PFBS)	ND	ND	
perfluorohexanoic acid (PFHxA)	[3.77]	ND	-3.77
perfluoroheptanoic acid (PFHpA)	3.11	[1.15]	-1.96
perfluorohexanesulfonic acid (PFHxS)	ND	ND	
perfluorooctanoic acid (PFOA)	8.02	[1.67]	-6.35
perfluorononanoic acid (PFNA)	ND	ND	
perfluorooctanesulfonic acid (PFOS)	ND	[0.80]	0.8
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 17 (03/01/2022)	
perfluorobutanesulfonic acid (PFBS)	ND	ND	
perfluorohexanoic acid (PFHxA)	8.29	[2.04]	-6.25
perfluoroheptanoic acid (PFHpA)	5.78	[2.06]	-3.72
perfluorohexanesulfonic acid (PFHxS)	ND	ND	
perfluorooctanoic acid (PFOA)	6.45	2.46	-3.99
perfluorononanoic acid (PFNA)	ND	ND	
perfluorooctanesulfonic acid (PFOS)	[2.67]	[1.19]	-1.48
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 17 (03/01/2022)	
perfluorobutanesulfonic acid (PFBS)	ND	[1.08]	1.08
perfluorohexanoic acid (PFHxA)	[2.38]	[2.59]	0.21
perfluoroheptanoic acid (PFHpA)	[1.61]	2.7	0.53
perfluorohexanesulfonic acid (PFHxS)	ND	[1.31]	1.31
perfluorooctanoic acid (PFOA)	[3.88]	4.63	0.75
perfluorononanoic acid (PFNA)	ND	ND	
perfluorooctanesulfonic acid (PFOS)	ND	[0.72]	0.72
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	
Hexafluoropropylene Oxide Dimer Acid (GenX)	ND	ND	

Well 7

Analyte Name	Results (ppt)		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 14 (03/01/2022)	
perfluorobutanesulfonic acid (PFBS)	28.4	[1.64]	-26.76
perfluorohexanoic acid (PFHxA)	49.9	[2.8]	-47.1
perfluoroheptanoic acid (PFHpA)	15.9	2.64	-13.26
perfluorohexanesulfonic acid (PFHxS)	590	16.4	-572.6
perfluorooctanoic acid (PFOA)	25.2	5.28	-21.74
perfluorononanoic acid (PFNA)	ND	ND	
perfluorooctanesulfonic acid (PFOS)	79.6	[1.35]	-78.25
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	
Hexafluoropropylene Oxide Dimer Acid (GenX)	ND	ND	

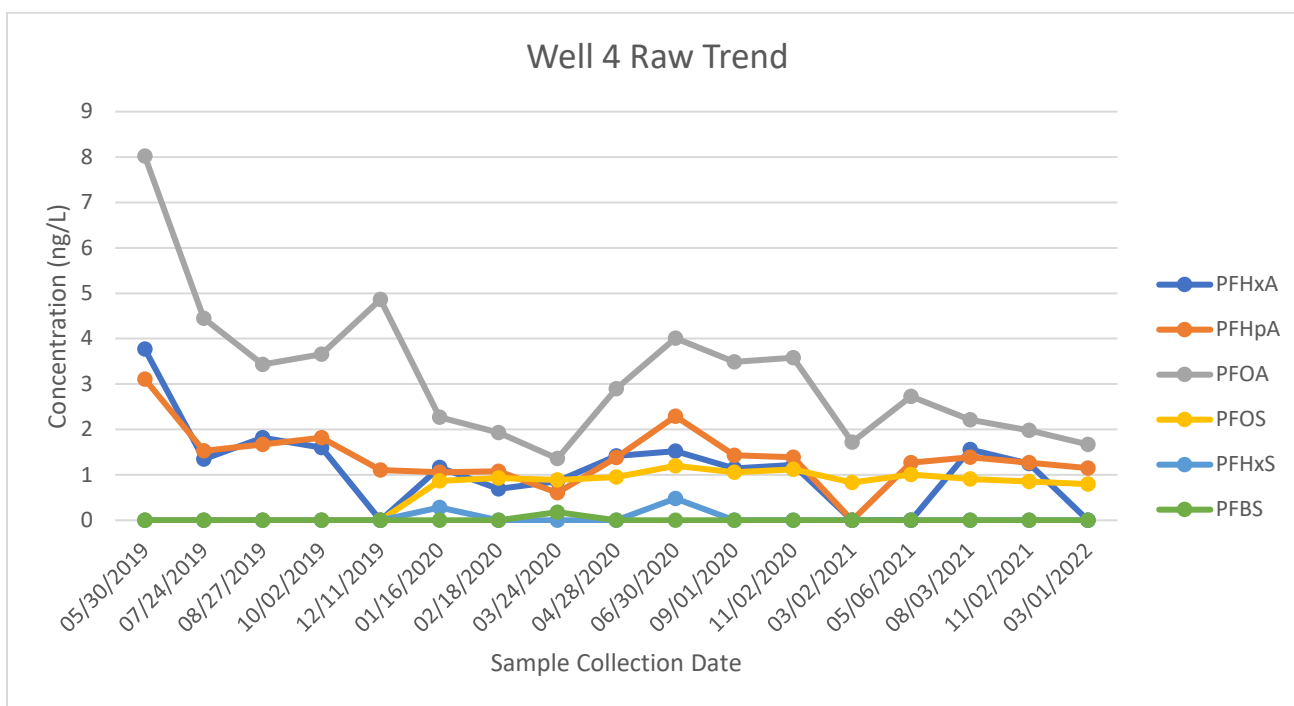
Well 8

Analyte Name	Results (ppt)		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 13 (03/01/2022)	
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	

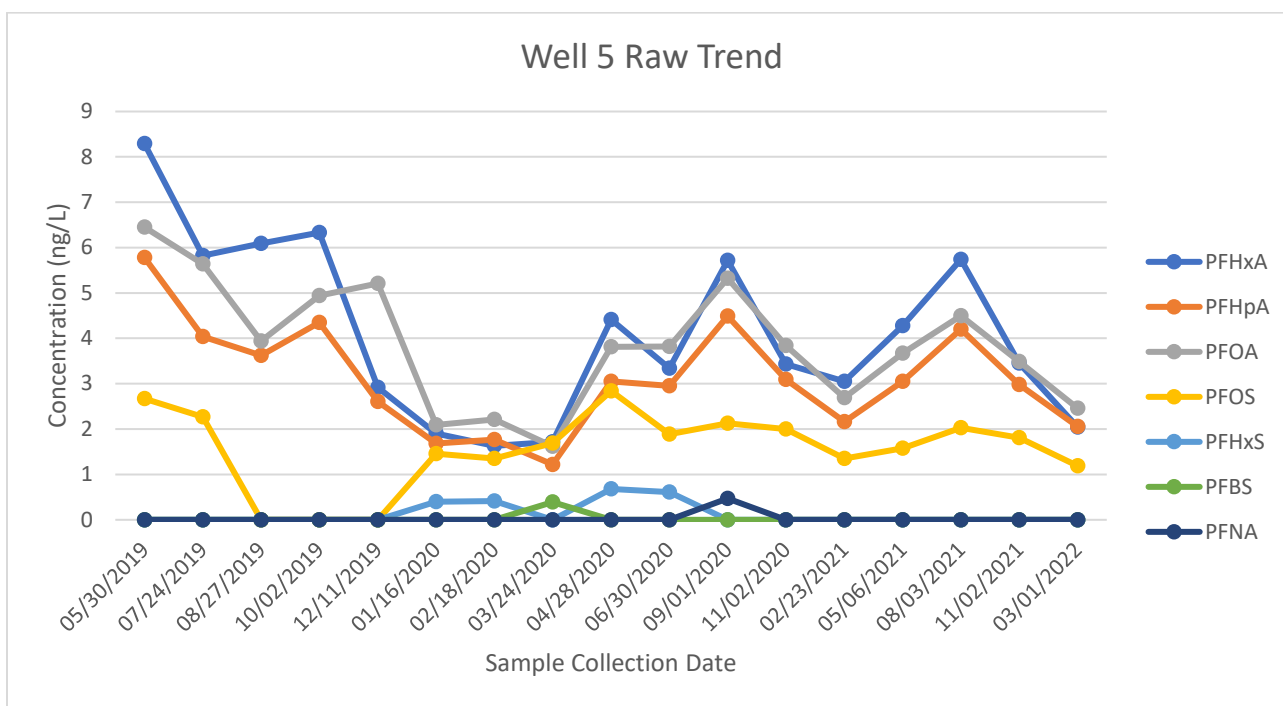
KEY	
perfluorobutanesulfonic acid	PFBS
perfluorohexanoic acid	PFHxA
perfluoroheptanoic acid	PFHpA
perfluorohexanesulfonic acid	PFHxS
perfluorooctanoic acid	PFOA
perfluorononanoic acid	PFNA
perfluorooctanesulfonic acid	PFOS
perfluorodecanoic acid	PFDA
perfluoroundecanoic acid	PFUnA
perfluorododecanoic acid	PFDoA
perfluorotridecanoic acid	PFTrDA
perfluorotetradecanoic acid	PFTA
Hexafluoropropylene Oxide Dimer Acid (GenX)	GenX

Well 4														
Compound and Concentration (ng/L)														
	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTrDA	PFTA	GenX	
Date														
05/30/2019	0	3.77	3.11	0	8.02		0							
07/24/2019	0	1.35	1.53	0	4.45		0							
08/27/2019	0	1.82	1.67	0	3.43		0							
10/02/2019	0	1.6	1.82	0	3.66		0							
12/11/2019	0	0	1.11	0	4.86		0							
01/16/2020	0	1.16	1.06	0.286	2.27		0.87							
02/18/2020	0	0.69	1.08	0	1.93		0.93							
03/24/2020	0.18	0.86	0.61	0	1.36		0.89							
04/28/2020	0	1.42	1.38	0	2.9		0.95							
06/30/2020	0	1.52	2.29	0.48	4.01		1.2							
09/01/2020	0	1.14	1.43	0	3.49		1.06							
11/02/2020	0	1.22	1.39	0	3.58		1.12							
03/02/2021	0	0	0	0	1.72		0.83							
05/06/2021	0	0	1.27	0	2.73		1.01							
08/03/2021	0	1.56	1.39	0	2.21		0.91							
11/02/2021	0	1.25	1.27	0	1.98		0.85							
03/01/2022	0	0	1.15	0	1.67		0.8							



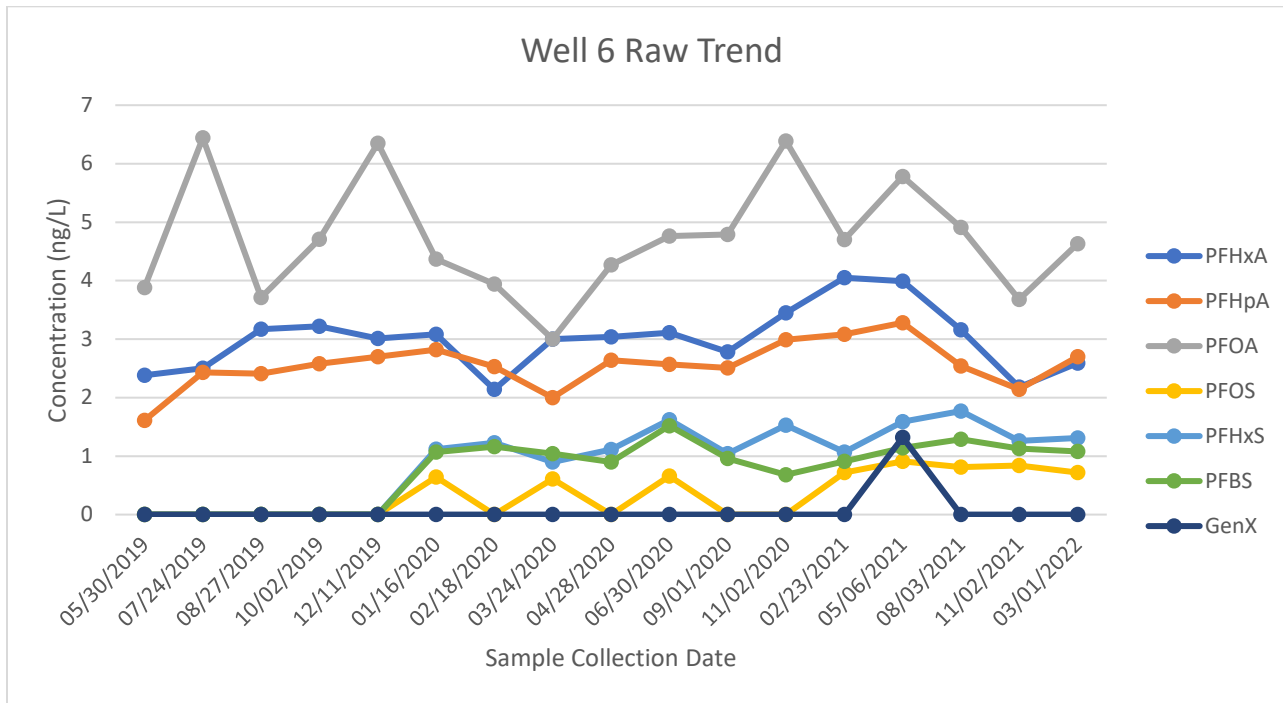
Well 5														
Compound and Concentration (ng/L)														
	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTrDA	PFTA	GenX	
Date														
05/30/2019	0	8.29	5.78	0	6.45	0	2.67							
07/24/2019	0	5.82	4.04	0	5.64	0	2.27							
08/27/2019	0	6.09	3.62	0	3.94	0	0							
10/02/2019	0	6.33	4.35	0	4.94	0	0							

	12/11/2019	0	2.92	2.61	0	5.21	0	0						
	01/16/2020	0	1.9	1.68	0.402	2.09	0	1.46						
	02/18/2020	0	1.63	1.77	0.41	2.21	0	1.35						
	03/24/2020	0.39	1.72	1.22	0	1.62	0	1.69						
	04/28/2020	0	4.41	3.05	0.68	3.81	0	2.84						
	06/30/2020	0	3.34	2.95	0.61	3.82	0	1.89						
	09/01/2020	0	5.72	4.49	0	5.32	0.47	2.13						
	11/02/2020	0	3.43	3.09	0	3.84	0	2						
	02/23/2021	0	3.05	2.16	0	2.69	0	1.35						
	05/06/2021	0	4.28	3.05	0	3.67	0	1.58						
	08/03/2021	0	5.74	4.2	0	4.5	0	2.03						
	11/02/2021	0	3.45	2.98	0	3.49	0	1.81						
	03/01/2022	0	2.04	2.06	0	2.46	0	1.19						

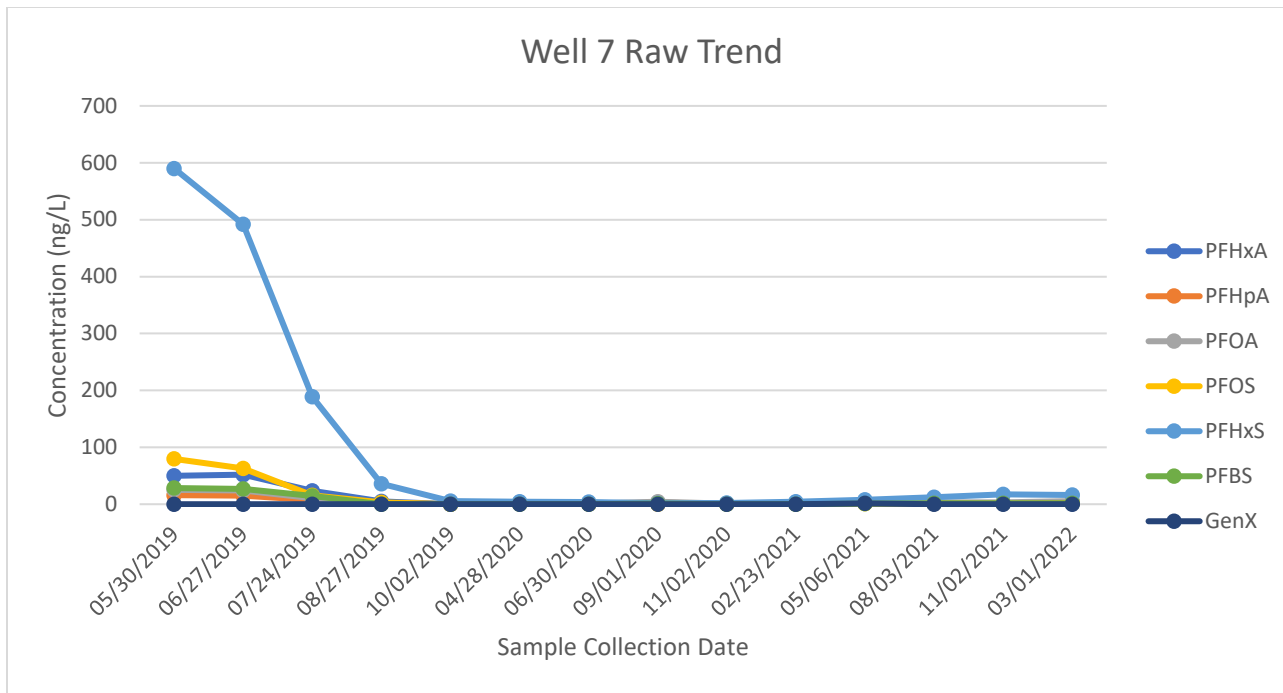


Well 6														
Compound and Concentration (ng/L)														
	PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTTrDA	PFTA	GenX	
Date														
05/30/2019	0	2.38	1.61	0	3.88		0							0
07/24/2019	0	2.5	2.43	0	6.44		0							0
08/27/2019	0	3.17	2.41	0	3.71		0							0
10/02/2019	0	3.22	2.58	0	4.71		0							0
12/11/2019	0	3.01	2.7	0	6.35		0							0
01/16/2020	1.07	3.08	2.82	1.12	4.37		0.642							0
02/18/2020	1.16	2.14	2.53	1.23	3.94		0							0
03/24/2020	1.04	3	2	0.9	3		0.61							0
04/28/2020	0.9	3.04	2.64	1.11	4.27		0							0
06/30/2020	1.52	3.11	2.57	1.62	4.76		0.66							0
09/01/2020	0.96	2.78	2.51	1.04	4.79		0							0

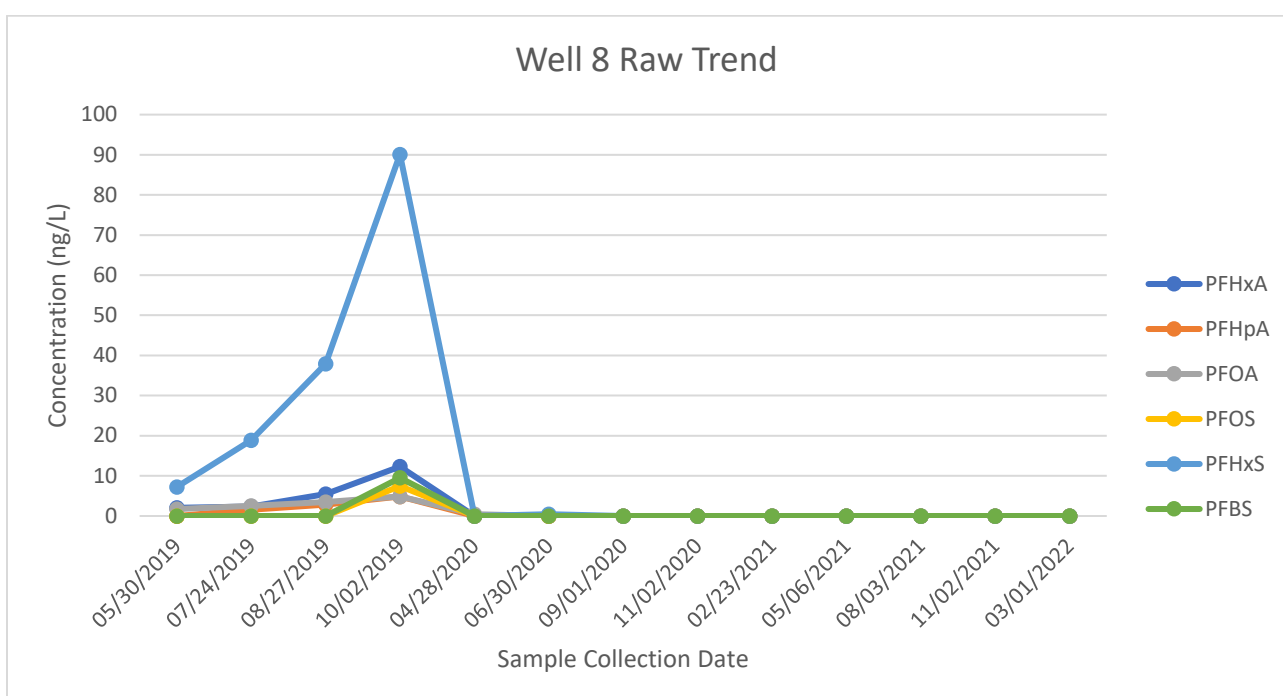
	11/02/2020	0.68	3.45	2.99	1.53	6.39		0						0
	02/23/2021	0.91	4.05	3.08	1.07	4.7		0.72						0
	05/06/2021	1.14	3.99	3.28	1.59	5.78		0.91						1.32
	08/03/2021	1.29	3.16	2.54	1.77	4.91		0.81						0
	11/02/2021	1.13	2.18	2.14	1.26	3.68		0.84						0
	03/01/2022	1.08	2.59	2.7	1.31	4.63		0.72						0



Well 7														
Compound and Concentration (ng/L)														
		PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTTrDA	PFTA	GenX
	Date													
	05/30/2019	28.4	49.9	15.9	590	25.2		79.6						0
	06/27/2019	27.1	51.9	15	492	23.9		63						0
	07/24/2019	14.4	23.7	7.11	189	10.3		15.8						0
	08/27/2019	0	4.73	1.53	35.9	2.4		3.42						0
	10/02/2019	0	0	0	5.31	0		0						0
	04/28/2020	0	1.1	0.63	4.45	0.83		0.77						0
	06/30/2020	0	1.04	0.54	3.55	0.89		0.41						0
	09/01/2020	1.12	2.78	2.77	1.82	4.66		0						0
	11/02/2020	0	0.93	0.78	2.07	1.22		0.71						0
	02/23/2021	0	1.47	0.97	4.23	1.62		0.6						0
	05/06/2021	0.84	1.92	1.29	7.5	2.51		0.75						1.32
	08/03/2021	1.54	2.28	1.57	12.1	3.27		0.94						0
	11/02/2021	1.44	1.59	1.63	17.4	3.46		0.91						0
	03/01/2022	1.64	2.8	2.64	16.4	5.28		1.35						0



Well 8														
		Compound and Concentration (ng/L)												
		PFBS	PFHxA	PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	PFUnA	PFDoA	PFTTrDA	PFTA	GenX
Date														
	05/30/2019	0	2.08	0	7.25	1.72		0						
	07/24/2019	0	2.39	1.56	18.9	2.53		0						
	08/27/2019	0	5.51	2.83	37.9	3.44		0						
	10/02/2019	9.5	12.3	4.87	90.1	4.86		7.46						
	04/28/2020	0	0	0	0	0.42		0						
	06/30/2020	0	0	0	0.47	0		0						
	09/01/2020	0	0	0	0	0		0						
	11/02/2020	0	0	0	0	0		0						
	02/23/2021	0	0	0	0	0		0						
	05/06/2021	0	0	0	0	0		0						
	08/03/2021	0	0	0	0	0		0						
	11/02/2021	0	0	0	0	0		0						
	03/01/2022	0	0	0	0	0		0						



Raw Data

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Analyte Name	Results (ppt)																
	Round 1 (05/30/2019)	Round 2 (07/24/2019)	Round 3 (08/27/2019)	Round 4 (10/02/2019)	Round 5 (12/11/2019)	Round 6 (01/16/2020)	Round 7 (02/18/2020)	Round 8 (03/24/2020)	Round 9 (04/28/2020)	Round 10 (06/30/2020)	Round 11 (09/01/2020)	Round 12 (11/02/2020)	Round 13 (02/23/2021)	Round 14 (05/06/2021)	Round 15 (08/03/2021)	Round 16 (11/02/2021)	Round 17 (03/01/2022)
perfluorobutane sulfonic acid (PFBS)	ND	ND	ND	ND	ND	ND	ND	[0.18]	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorohexanoic acid (PFHxA)	[3.77]	[1.35]	[1.82]	[1.6]	ND	[1.16]	[0.69]	[0.86]	1.42	[1.52]	[1.14]	[1.22]	ND	ND	[1.56]	[1.25]	ND
perfluoroheptanoic acid (PFHpA)	3.11	[1.53]	[1.67]	[1.82]	[1.11]	1.06	1.08	[0.61]	1.38	2.29	1.43	1.39	ND	[1.27]	[1.39]	[1.27]	[1.15]
perfluorohexane sulfonic acid (PFHxS)	ND	ND	ND	ND	ND	[0.286]	ND	ND	ND	[0.48]	ND	ND	ND	ND	ND	ND	ND
perfluorooctanoic acid (PFOA)	8.02	4.45	[3.43]	[3.66]	[4.86]	2.27	[1.93]	[1.36]	2.9	4.01	3.49	3.58	[1.72]	[2.73]	2.21	[1.98]	[1.67]
perfluorononanoic acid (PFNA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorooctanesulfonic acid (PFOS)	ND	ND	ND	ND	ND	0.87	0.93	[0.89]	[0.95]	1.2	[1.06]	[1.12]	[0.83]	[1.01]	[0.91]	[0.85]	[0.80]
perfluorodecanoic acid (PFDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluoroundecanoic acid (PFUnA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorododecanoic acid (PFDoA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotridecanoic acid (PFTrDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Analyte Name	Results (ppt)																
	Round 1 (05/30/2019)	Round 2 (07/24/2019)	Round 3 (08/27/2019)	Round 4 (10/02/2019)	Round 5 (12/11/2019)	Round 6 (01/16/2020)	Round 7 (02/18/2020)	Round 8 (03/24/2020)	Round 9 (04/28/2020)	Round 10 (06/30/2020)	Round 11 (09/01/2020)	Round 12 (11/02/2020)	Round 13 (02/23/2021)	Round 14 (05/06/2021)	Round 15 (08/03/2021)	Round 16 (11/02/2021)	Round 17 (03/01/2022)

	30/2 019)	24/2 019)	27/2 019)	02/2 019)	11/2 019)	16/2 020)	18/2 020)	24/2 020)	28/2 020)	30/2 020)	01/2 020)	02/2 020)	23/2 021)	06/2 021)	03/2 021)	02/2 021)	01/2 022)
perfluorobutane sulfonic acid (PFBS)	ND	ND	ND	ND	ND	ND	ND	[0.39]	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorohexanoic acid (PFHxA)	8.29	5.82	6.09	6.33	[2.92]	1.9	[1.63]	[1.72]	4.41	3.34	5.72	3.43	3.05	[4.28]	5.74	[3.45]	[2.04]
perfluoroheptanoic acid (PFHpA)	5.78	4.04	3.62	4.35	2.61	1.68	1.77	[1.22]	3.05	2.95	4.49	3.09	2.16	[3.05]	4.2	2.98	[2.06]
perfluorohexane sulfonic acid (PFHxS)	ND	ND	ND	ND	ND	[0.402]	[0.41]	ND	[0.68]	[0.61]	ND	ND	ND	ND	ND	ND	ND
perfluorooctanoic acid (PFOA)	6.45	5.64	[3.94]	[4.94]	[5.21]	[2.09]	2.21	[1.62]	3.81	3.82	5.32	3.84	2.69	3.67	4.5	3.49	2.46
perfluorononanoic acid (PFNA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[0.47]	ND	ND	ND	ND	ND	ND
perfluorooctanesulfonic acid (PFOS)	[2.67]	[2.27]	ND	ND	ND	1.46	1.35	[1.29]	2.34	1.89	2.13	2	[1.35]	1.58	[2.03]	[1.81]	[1.19]
perfluorodecanoic acid (PFDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluoroundecanoic acid (PFUnA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorododecanoic acid (PFDoA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotridecanoic acid (PFTrDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Analyte Name	Results (ppt)																
	Rou nd 1 (05/ 30/2 019)	Rou nd 2 (07/ 24/2 019)	Rou nd 3 (08/ 27/2 019)	Rou nd 4 (10/ 02/2 019)	Rou nd 5 (12/ 11/2 019)	Rou nd 6 (01/ 16/2 020)	Rou nd 7 (02/ 18/2 020)	Rou nd 8 (03/ 24/2 020)	Rou nd 9 (04/ 28/2 020)	Rou nd 10 (06/ 30/2 020)	Rou nd 11 (09/ 01/2 020)	Rou nd 12 (11/ 02/2 020)	Rou nd 13 (02/ 23/2 021)	Rou nd 14 (05/ 06/2 021)	Rou nd 15 (08/ 03/2 021)	Rou nd 16 (11/ 02/2 021)	Rou nd 17 (03/ 01/2 022)
perfluorobutane sulfonic acid (PFBS)	ND	ND	ND	ND	ND	[1.07]	[1.16]	[1.04]	[0.90]	[1.52]	[0.96]	[0.68]	[0.91]	[1.14]	[1.29]	[1.13]	[1.08]
perfluorohexanoic acid (PFHxA)	[2.38]	[2.5]	[3.17]	[3.22]	[3.01]	3.08	2.14	3	3.04	3.11	2.78	3.45	4.05	[3.99]	[3.16]	[2.18]	[2.59]

perfluorooheptanoic acid (PFHpA)	[1.61]	[2.43]	2.41	2.58	2.7	2.82	2.53	2	2.64	2.57	2.51	2.99	3.08	[3.28]	2.54	[2.14]	2.7
perfluorohexanesulfonic acid (PFHxS)	ND	ND	ND	ND	ND	1.12	1.23	[0.9]	[1.14]	1.62	[1.04]	[1.53]	[1.07]	[1.59]	[1.77]	[1.26]	[1.31]
perfluorooctanoic acid (PFOA)	[3.88]	6.44	[3.71]	[4.71]	6.35	4.37	3.94	3	4.27	4.76	4.79	6.39	4.7	5.78	4.91	3.68	4.63
perfluorooxonanoic acid (PFNA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorooctanesulfonic acid (PFOS)	ND	ND	ND	ND	ND	[0.642]	ND	[0.61]	ND	[0.66]	ND	ND	[0.72]	[0.91]	[0.81]	[0.84]	[0.72]
perfluorodecanoic acid (PFDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluoroundecanoic acid (PFUnA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorododecanoic acid (PFDoA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotridecanoic acid (PFTrDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexafluoropropylene Oxide Dimer Acid (GenX)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	[1.32]	ND	ND	ND

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el Note: Extra Well 7 raw sample completed
l during first round of distribution samples
7 collected on 06/27/2019

Analyte Name	Results (ppt)													
	Round 1 (05/30/2019)	Round 2 (06/27/2019)	Round 3 (07/24/2019)	Round 4 (08/27/2019)	Round 5 (10/02/2019)	Round 6 (04/28/2020)	Round 7 (06/30/2020)	Round 8 (09/01/2020)	Round 9 (11/02/2020)	Round 10 (03/02/2021)	Round 11 (05/06/2021)	Round 12 (08/03/2021)	Round 13 (11/02/2021)	Round 14 (03/01/2022)
perfluorobutanesulfonic acid (PFBS)	28.4	27.1	[14.4]	ND	ND	ND	ND	[1.12]	ND	ND	[0.84]	[1.54]	[1.44]	[1.64]
perfluorohexanoic acid (PFHxA)	49.9	51.9	23.7	4.73	ND	1.1	[1.04]	2.78	[0.93]	1.47	[1.92]	[2.28]	[1.59]	[2.8]
perfluorohexanoic acid (PFHpA)	15.9	15	7.11	[1.53]	ND	[0.63]	[0.54]	2.77	[0.78]	[0.97]	[1.29]	[1.57]	[1.63]	2.64
perfluorohexanesulfo	590	492	189	35.9	[5.31]	4.45	3.55	1.82	2.07	4.23	ND	12.1	17.4	16.4

perfluorotri decanoic acid (PFTTrDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotet radecanoic acid (PFTA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Hazard Index Raw

KEY		Recommended Enforcement Standard (ng/L)
perfluorobutanesulfonic acid	PFBS	450,000
perfluorohexanoic acid	PFHxA	150,000
perfluoroheptanoic acid	PFHpA	NA
perfluorohexanesulfonic acid	PFHxS	40
perfluorooctanoic acid	PFOA	combined
perfluorononanoic acid	PFNA	30
perfluorooctanesulfonic acid	PFOS	combined
perfluorodecanoic acid	PFDA	300
perfluoroundecanoic acid	PFUnA	3,000
perfluorododecanoic acid	PFDoA	500
perfluorotridecanoic acid	PFTTrDA	NA
perfluorotetradecanoic acid	PFTA	10,000
Combined PFOA & PFOS	PFOA/PFO S	20
Hexafluoropropylene Oxide Dimer Acid (GenX)	GenX	Unknown
<p>Number values listed for all results below due to calculations. Does not represent Level of Detection or Level of Quantitation of the result.</p>		

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Analyte Name	Results (ppt)																
	Rou nd 1 (05/ 30/2 019)	Rou nd 2 (07/ 24/2 019)	Rou nd 3 (08/ 27/2 019)	Rou nd 4 (10/ 02/2 019)	Rou nd 5 (12/ 11/2 019)	Rou nd 6 (01/ 16/2 020)	Rou nd 7 (02/ 18/2 020)	Rou nd 8 (03/ 24/2 020)	Rou nd 9 (04/ 28/2 020)	Rou nd 10 (06/ 30/2 020)	Rou nd 11 (09/ 01/2 020)	Rou nd 12 (11/ 02/2 020)	Rou nd 13 (02/ 23/2 021)	Rou nd 14 (05/ 06/2 021)	Rou nd 15 (08/ 03/2 021)	Rou nd 16 (11/ 02/2 021)	Rou nd 17 (03/ 01/2 022)
perfluorobutane sulfonic acid (PFBS)	ND	ND	ND	ND	ND	ND	ND	0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorohexanoic acid (PFHxA)	3.77	1.35	1.82	1.6	ND	1.16	0.69	0.86	1.42	1.52	1.14	1.22	ND	ND	1.56	1.25	ND
perfluoroheptanoic acid (PFHpA)	3.11	1.53	1.67	1.82	1.11	1.06	1.08	0.61	1.38	2.29	1.43	1.39	ND	1.27	1.39	1.27	1.15
perfluorohexane sulfonic	ND	ND	ND	ND	ND	0.28 6	ND	ND	ND	0.48	ND	ND	ND	ND	ND	ND	ND

perfluorohexanoic acid (PFHxA)	8.29	5.82	6.09	6.33	2.92	1.9	1.63	1.72	4.41	3.34	5.72	3.43	3.05	4.28	5.74	3.45	2.04
perfluoroheptanoic acid (PFHpA)	5.78	4.04	3.62	4.35	2.61	1.68	1.77	1.22	3.05	2.95	4.49	3.09	2.16	3.05	4.2	2.98	2.06
perfluorohexanesulfonic acid (PFHxS)	ND	ND	ND	ND	ND	0.402	0.41	ND	0.68	0.61	ND	ND	ND	ND	ND	ND	ND
perfluorooctanoic acid (PFOA)	6.45	5.64	3.94	4.94	5.21	2.09	2.21	1.62	3.81	3.82	5.32	3.84	2.69	3.67	4.5	3.49	2.46
perfluorononanoic acid (PFNA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	ND	ND
perfluorooctanesulfonic acid (PFOS)	2.67	2.27	ND	ND	ND	1.46	1.35	1.29	2.34	1.89	2.13	2	1.35	1.58	2.03	1.81	1.19
perfluorodecanoic acid (PFDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluoroundecanoic acid (PFUnA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorododecanoic acid (PFDoA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotridecanoic acid (PFTrDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Hazard Index	Results																
	Rou nd 1	Rou nd 2	Rou nd 3	Rou nd 4	Rou nd 5	Rou nd 6	Rou nd 7	Rou nd 8	Rou nd 9	Rou nd 10	Rou nd 11	Rou nd 12	Rou nd 13	Rou nd 14	Rou nd 15	Rou nd 16	Rou nd 17
450,000 (PFBS)								0.00									
150,000 (PFHxA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NA (PFHpA)																	
40 (PFHxS)						0.01	0.01		0.02	0.02							
Combined (PFOA)																	
30 (PFNA)											0.02						
Combined (PFOS)																	
300 (PFDA)																	
3000 (PFUnA)																	
500 (PFDoA)																	
NA (PFTrDA)																	
10,000 (PFTA)																	
20 (Combined PFOA/PFOS)	0.46	0.40				0.18	0.18	0.15	0.31	0.29	0.37	0.29	0.20	0.26	0.33	0.27	0.18
Total HZ	0.46	0.40	0.00	0.00	0.00	0.19	0.19	0.15	0.32	0.30	0.39	0.29	0.20	0.26	0.33	0.27	0.18

Analyte Name	Results (ppt)																
	Round 1 (05/30/2019)	Round 2 (07/24/2019)	Round 3 (08/27/2019)	Round 4 (10/02/2019)	Round 5 (12/11/2019)	Round 6 (01/16/2020)	Round 7 (02/18/2020)	Round 8 (03/24/2020)	Round 9 (04/28/2020)	Round 10 (06/30/2020)	Round 11 (09/01/2020)	Round 12 (11/02/2020)	Round 13 (02/23/2021)	Round 14 (05/06/2021)	Round 15 (08/03/2021)	Round 16 (11/02/2021)	Round 17 (03/01/2022)
perfluorobutane sulfonic acid (PFBS)	ND	ND	ND	ND	ND	1.07	1.16	1.04	0.9	1.52	0.96	0.68	0.91	1.14	1.29	1.13	1.08
perfluorohexanoic acid (PFHxA)	2.38	2.5	3.17	3.22	3.01	3.08	2.14	3	3.04	3.11	2.78	3.45	4.05	3.99	3.16	2.18	2.59
perfluoroheptanoic acid (PFHpA)	1.61	2.43	2.41	2.58	2.7	2.82	2.53	2	2.64	2.57	2.51	2.99	3.08	3.28	2.54	2.14	2.7
perfluorohexane sulfonic acid (PFHxS)	ND	ND	ND	ND	ND	1.12	1.23	0.9	1.14	1.62	1.04	1.53	1.07	1.59	1.77	1.26	1.31
perfluorooctanoic acid (PFOA)	3.88	6.44	3.71	4.71	6.35	4.37	3.94	3	4.27	4.76	4.79	6.39	4.7	5.78	4.91	3.68	4.63
perfluorononanoic acid (PFNA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorooctanesulfonic acid (PFOS)	ND	ND	ND	ND	ND	0.64 2	ND	0.61	ND	0.66	ND	ND	0.72	0.91	0.81	0.84	0.72
perfluorodecanoic acid (PFDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluoroundecanoic acid (PFUnA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorododecanoic acid (PFDoA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotridecanoic acid (PFTrDA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexafluoropropylene Oxide Dimer Acid (GenX)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.32	ND	ND	ND

Hazard Index	Results
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acid (PFTTrDA)														
perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Hazard Index	Results												
	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9	Round 10	Round 11	Round 12	Round 13
450,000 (PFBS)				0.00									
150,000 (PFHxA)	0.00	0.00	0.00	0.00									
NA (PFHpA)													
40 (PFHxS)	0.18	0.47	0.95	2.25		0.01							
Combined (PFOA)													
30 (PFNA)													
Combined (PFOS)													
300 (PFDA)													
3000 (PFUnA)													
500 (PFDoA)													
NA (PFTTrDA)													
10,000 (PFTA)													
20 (Combined PFOA/PFOS)				0.62									
Total HZ	0.18	0.47	0.95	2.87	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hazard Index Summary

KEY		Recommended Enforcement Standard (ng/L)
perfluorobutanesulfonic acid	PFBS	450,000
perfluorohexanoic acid	PFHxA	150,000
perfluoroheptanoic acid	PFHpA	NA
perfluorohexanesulfonic acid	PFHxS	40
perfluorooctanoic acid	PFOA	combined
perfluorononanoic acid	PFNA	30
perfluorooctanesulfonic acid	PFOS	combined
perfluorodecanoic acid	PFDA	300
perfluoroundecanoic acid	PFUnA	3,000
perfluorododecanoic acid	PFDoA	500
perfluorotridecanoic acid	PFTTrDA	NA
perfluorotetradecanoic acid	PFTA	10,000
Combined PFOA & PFOS	PFOA/PFOS	20
Hexafluoropropylene Oxide Dimer Acid (GenX)	GenX	Unknown

Total Hazard Index Summary Table			
	First Round	Latest Round	Change
Well 4	0.4	0.12	-0.28
Well 5	0.46	0.18	-0.28
Well 6	0	0.30	0.30
Well 7	19.99	0.74	-19.25
Well 8	0.18	0.00	-0.18

Well 4

Hazard Index	Results		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 17	
450,000 (PFBS)			
150,000 (PFHxA)	0.00		
NA (PFHpA)			
40 (PFHxS)			
Combined (PFOA)			
30 (PFNA)			
Combined (PFOS)			
300 (PFDA)			
3000 (PFUnA)			
500 (PFDoA)			
NA (PFTrDA)			
10,000 (PFTA)			
20 (Combined PFOA/PFOS)	0.40	0.12	-0.28
Total HZ	0.40	0.12	-0.28

Well 5

Hazard Index	Results		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 17	
450,000 (PFBS)			
150,000 (PFHxA)	0.00	0.00	
NA (PFHpA)			
40 (PFHxS)			
Combined (PFOA)			
30 (PFNA)			
Combined (PFOS)			
300 (PFDA)			
3000 (PFUnA)			
500 (PFDoA)			
NA (PFTrDA)			
10,000 (PFTA)			
20 (Combined PFOA/PFOS)	0.46	0.18	-0.27
Total HZ	0.46	0.18	-0.27

Well 6

Hazard Index	Results		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 17	
450,000 (PFBS)		0.00	
150,000 (PFHxA)	0.00	0.00	
NA (PFHpA)			
40 (PFHxS)		0.03	0.04
Combined (PFOA)			
30 (PFNA)			
Combined (PFOS)			
300 (PFDA)			
3000 (PFUnA)			
500 (PFDoA)			
NA (PFTrDA)			
10,000 (PFTA)			
20 (Combined PFOA/PFOS)		0.27	0.27
Total HZ	0.00	0.30	0.30

Well 7

Hazard Index	Results		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 14	
450,000 (PFBS)	0.00	0.00	
150,000 (PFHxA)	0.00	0.00	
NA (PFHpA)			
40 (PFHxS)	14.75	0.41	-14.75
Combined (PFOA)			

30 (PFNA)			
Combined (PFOS)			
300 (PFDA)			
3000 (PFUnA)			
500 (PFDoA)			
NA (PFTrDA)			
10,000 (PFTA)			
20 (Combined PFOA/PFOS)	5.24	0.33	-4.91
Total HZ	19.99	0.74	-19.25

Well 8

Hazard Index	Results		Change (Latest - Round 1)
	Round 1 (05/30/2019)	Round 13	
450,000 (PFBS)			
150,000 (PFHxA)	0.00		
NA (PFHpA)			
40 (PFHxS)	0.18		-0.18
Combined (PFOA)			
30 (PFNA)			
Combined (PFOS)			
300 (PFDA)			
3000 (PFUnA)			
500 (PFDoA)			
NA (PFTrDA)			
10,000 (PFTA)			
20 (Combined PFOA/PFOS)			
Total HZ	0.18	0.00	0.00