Final Samples (ng/L)

	LTW-03	GW0817 Outfall	GW0817 Intake	SMW01	Insitu-1
PFBA	130	30	7	11	2
PFPeA	601	30	22	20	5
PFHxA	9	22	18	3	0
PFHpA	11	14	11	5	0
PFOA	0	10	9	10	0
PFNA	0	0	0	0	0
PFDA	0	0	0	0	0
PFBS	0	0	0	0	0
PFHxS	0	5	5	0	0
PFOS	0	6	3	0	0

Items in red indicate upper range of calibration curve exceeded

Sample Results (GenX) ng/L

	GenX (ng/L)	Dilution Factor	Final GenX (ng/L)
LTW-03	NA		
GW0817 Outfall	81.7		81.7
GW0817 Intake	8.4		<LOQ
SMW01	NA		
Insitu-1	306.6		306.6
0817-1 Trip Blank	8.4		8.4
EB0817-1 Equipment Balnk	0.0		<LOQ
Temp Blank	0.0		<LOQ
LTW-02	NA		
SMW-12	NA		
LTW-05	NA		
EB0817-2 Equipment Blank	12.9		12.9
LTW-04	NA		
MW-IS	NA		
LTW-01	NA		
LTW-01 D	NA		
LTW-01 MS	NA		
LTW-01 MSD	NA		
GW0817-1 Trip Blank	23.4		23.4
SWM-11	NA		
SMW-09	NA		
EB-3	19.3		19.3
SMW-10	10.7		10.7
SMW-05P	NA		
SMW-06B	NA		

LTW-02	SMW-12	LTW-05	LTW-04	MW-IS	LTW-01	LTW-01 D	LTW-01 MS
57	16	385	328	105	162	161	161
232	21	1857	1026	239	224	251	251
5	0	86	23	14	19	19	19
7	0	407	43	34	37	40	40
0	0	2	4	71	61	63	63
0	0	0	0	20	0	0	0
0	0	0	0	4	0	2	2
0	0	0	0	0	0	0	0
0	0	0	0	0	8	9	9
0	0	0	0	0	2	1	1

LTW-01 MSD	SWM-11	SMW-09	SMW-10	SMW-05P	SMW-06B
165	25	419	0	60	447
247	26	273	0	226	1401
21	5	62	0	74	97
38	4	39	0	126	186
59	24	39	0	1958	2101
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
6	0	5	0	5	0
0	0	0	0	0	0

LTW-03 100x dil	61.3	100	6,135
SMW01 25x dil	60.8	25	1,519
LTW-02 100x dil	59.9	100	5,995
SMW-12 25x dil	30.7	25	767
LTW-05 100x dil	410.4	100	41,036
LTW-04 100x dil	97.2	100	9,716
MW-IS 100x dil	65.4	100	6,536
LTW-01 100x dil	190.8	100	19,075
LTW-01 D 100x dil	171.1	100	17,108
LTW-01 MS 100x dil	267.5	100	26,750
LTW-01 MSD 100x dil	214.6	100	21,456
SWM-11 50x dil	51.7	50	2,584
SMW-09 100x dil	127.6	100	12,756
SMW-05P 100x dil	136.7	100	13,666
SMW-06B 100x dil	227.0	100	22,704

Items in red indicate upper range of calibration curve exceeded;
NA indicates no concentration predicted due to extreme calibration curve exceedance

Other PFECAs

Estimated Concentration (ng/L	LTW-03	GW0817 Outfall	GW0817 Intake	SMW01	Insitu-1
GenX new	6,135	82	<LOQ	1,519	307
m/z 178	108,194	574	34	1,496	327
m/z 245	5,417	58	307	242	79
m/z 311	1,375	32	8	119	11

*Note: GenX concentration taken from GenX tab for best prediction with dilution or not.

Nafion Byproducts

		DB	WorklistData1.d	Blank	
		LTW-03	WorklistData2.d	Sample	
		Chemours Outfall 002	WorklistData3.d	Sample	
		Intake	WorklistData4.d	Sample	
		SMW-01	WorklistData5.d	Sample	
		Insitu-1	WorklistData6.d	Sample	
		LTW-02	WorklistData7.d	Sample	
		SMW-12	WorklistData8.d	Sample	
		LTW-05	WorklistData9.d	Sample	
		LTW-04	WorklistData10.d	Sample	
		MW IS	WorklistData11.d	Sample	
		LTW-01	WorklistData12.d	Sample	

LTW-02	SMW-12	LTW-05	LTW-04	MW-IS	LTW-01	LTW-01 D	LTW-01 MS
5,995	767	41,036	9,716	6,536	19,075	17,108	26,750
44,324	3,671	285,408	83,014	24,414	23,541	26,480	24,855
3,249	206	21,151	5,546	1,677	5,088	4,682	5,205
1,187	0	13,491	1,317	590	1,629	1,440	1,296

	GenX Results						
	RT	Area	ISTD Resp. Ratio	Accuracy	Final Conc.	RT	Area
8/10/2017 8:15 AM	6.272866667	2,827	0				
8/10/2017 8:26 AM	6.173316667	3,954,143	0		6135	5.9248	985
8/10/2017 8:36 AM	6.205466667	124,975	0		81.7	6.652766667	0
8/10/2017 8:46 AM	6.18835	15,592	0		0		
8/10/2017 8:57 AM	6.189016667	1,757,912	0		1519		
8/10/2017 9:07 AM	6.203783333	455,083	0		307		
8/10/2017 9:18 AM	6.183533333	4,792,287	0		5995	5.76935	0
8/10/2017 9:28 AM	6.2086	855,077	0		767		
8/10/2017 9:39 AM	6.104783333	19,137,293	0		41036		
8/10/2017 9:49 AM	6.154633333	7,864,889	0		9716	6.618533333	11,376
8/10/2017 10:00 AM	6.183983333	3,216,249	0		6536	5.802933333	0
8/10/2017 10:10 AM	6.149133333	8,325,837	0		19075	5.751516667	0

LTW-01 MSD	SWM-11	SMW-09	SMW-10	SMW-05P	SMW-06B
21,456	2,584	12,756	11	13,666	22,704
26,905	5,652	12,616	283	93,564	738,275
5,752	330	0	0	4,663	38,573
1,496	0	399	5	1,585	13,349

Nafion byproduct1 Results				Nafion byproduct2 Results			
Area Ratio to GenX	ISTD Resp. Ratio	Accuracy	Final Conc.	RT	Area	Area Ratio to GenX	ISTD Resp. Ratio
				7.084666667	598	0.21	0
0.0002	0			6.488083333	108,404	0.03	0
	0			6.4871	5,563,764	44.52	0
				6.43685	5,404	0.35	0
				6.487233333	734,543	0.42	0
				6.485416667	100,792	0.22	0
	0			6.4983	224,595	0.05	0
				6.473666667	7,319	0.01	0
				6.485816667	1,775,963	0.09	0
0.001	0		14.1	6.50255	1,284,876	0.16	0
	0			6.498766667	3,377,378	1.05	0
	0			6.49705	2,647,082	0.32	0

Accuracy	Final Conc.
	168
	3,637
	635
	68
	281
	3,808
	1,587
	6,863
	6,065

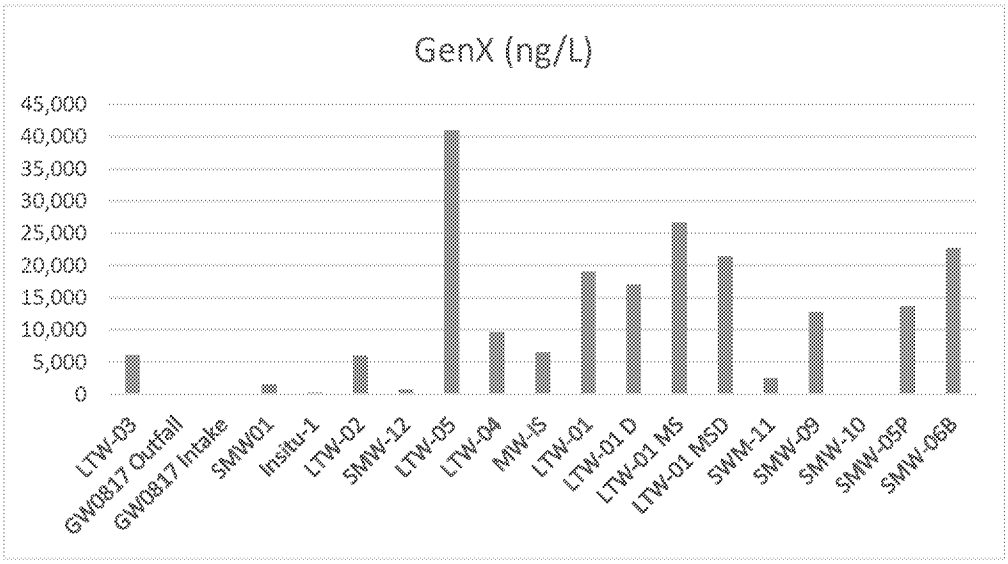
		LTW-01 D	WorklistData13.d	Sample	
		LTW-01 MS	WorklistData14.d	Sample	
		LTW-01 MSD	WorklistData15.d	Sample	
		SMW-11	WorklistData16.d	Sample	
		SMW-09	WorklistData17.d	Sample	
		SMW-10	WorklistData18.d	Sample	
		SMW-05P	WorklistData19.d	Sample	
		SMW-06B	WorklistData20.d	Sample	

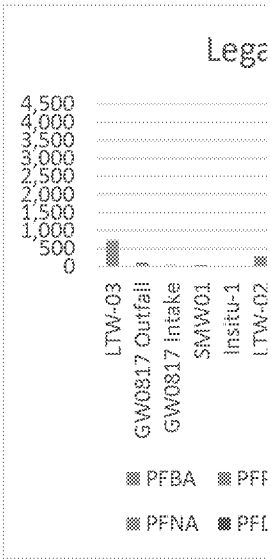
8/10/2017 10:21 AM	6.158566667	7,210,750	0		17108	5.777533333	0
8/10/2017 10:31 AM	6.147266667	6,813,115	0		26750		
8/10/2017 10:42 AM	6.145666667	8,110,607	0		21456	5.781183333	0
8/10/2017 10:52 AM	6.1902	1,781,223	0		2584		
8/10/2017 11:03 AM	6.154633333	5,561,300	0		12756	6.60195	10,687,475
8/10/2017 11:13 AM	6.22035	15,714	0		10.7	6.617966667	4,575
8/10/2017 11:23 AM	6.1607	6,032,055	0		13666	6.624583333	34,664
8/10/2017 11:34 AM	6.135733333	8,718,940	0		22704	6.599616667	7,898,199

	0			6.489916667	2,222,754	0.31	0
				6.495183333	2,058,296	0.30	0
	0			6.493566667	2,433,642	0.30	0
				6.488416667	267,952	0.15	0
1.92	0		24,515	6.485983333	1,072,208	0.19	0
0.29	0		3.11				
0.01	0		78.5	6.49205	668,483	0.11	0
0.91	0		20,567	6.48365	4,728,517	0.54	0

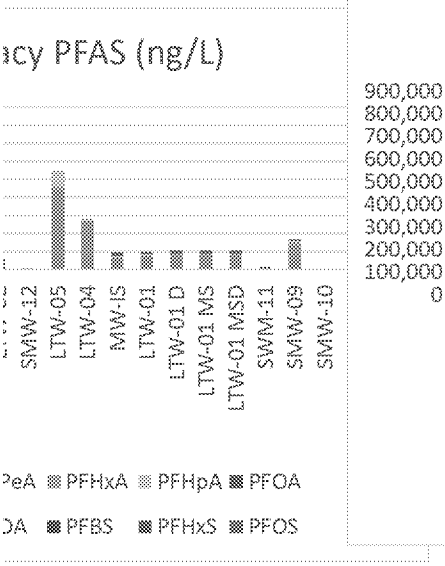
	5,274
	8,081
	6,438
	389
	2,459
	1,514
	12,313

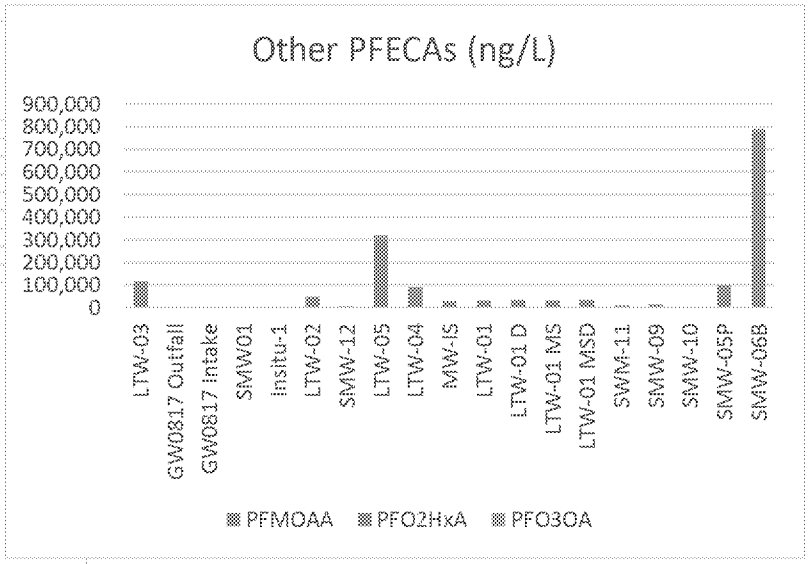
(GenX)		Samples Legacy PFAS					
	GenX (ng/L)		PFBA	PFPeA	PFHxA	PFHpA	PFOA
LTW-03	6,135	LTW-03	130	601		11	
GW0817 Outfall	81.7	GW0817 Outfall	30	30	22	14	10
GW0817 Intake	<LOQ	GW0817 Intake		22	18	11	
SMW01	1,519	SMW01	11	20			10
Insitu-1	306.6	Insitu-1					
LTW-02	5,995	LTW-02	57	232			
SMW-12	767	SMW-12	16	21			
LTW-05	41,036	LTW-05	385	1,857	86	407	
LTW-04	9,716	LTW-04	328	1,026	23	43	
MW-IS	6,536	MW-IS	105	239	14	34	71
LTW-01	19,075	LTW-01	162	224	19	37	61
LTW-01 D	17,108	LTW-01 D	161	251	19	40	63
LTW-01 MS	26,750	LTW-01 MS	161	251	19	40	63
LTW-01 MSD	21,456	LTW-01 MSD	165	247	21	38	59
SWM-11	2,584	SWM-11	25	26			24
SMW-09	12,756	SMW-09	419	273	62	39	39
SMW-10	10.7	SMW-10					
SMW-05P	13,666	SMW-05P	60	226	74	126	1,958
SMW-06B	22,704	SMW-06B	447	1,401	97	186	2,101

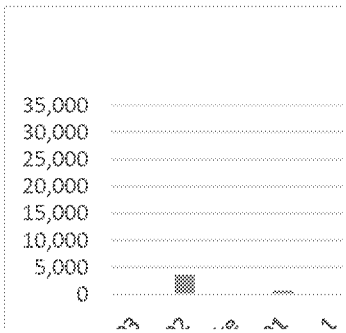




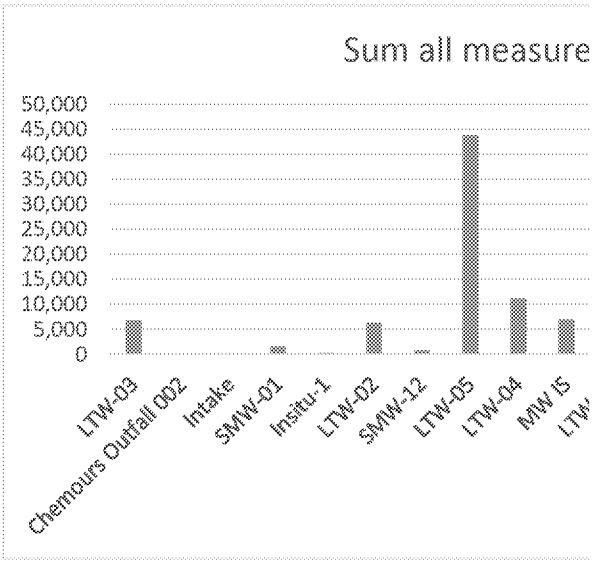
					Other PFECAs			
PFNA	PFDA	PFBS	PFHxS	PFOS		PFMOAA	PFO2HxA	PFO3OA
					LTW-03	108,194	5,417	1,375
					GW0817 Outfall	574	58	32
					GW0817 Intake	34	307	
					SMW01	1,496	242	119
					Insitu-1	327	79	11
					LTW-02	44,324	3,249	1,187
					SMW-12	3,671	206	
					LTW-05	285,408	21,151	13,491
					LTW-04	83,014	5,546	1,317
20					MW-IS	24,414	1,677	590
					LTW-01	23,541	5,088	1,629
					LTW-01 D	26,480	4,682	1,440
					LTW-01 MS	24,855	5,205	1,296
					LTW-01 MSD	26,905	5,752	1,496
					SWM-11	5,652	330	
					SMW-09	12,616		399
					SMW-10	283		
					SMW-05P	93,564	4,663	1,585
					SMW-06B	738,275	38,573	13,349

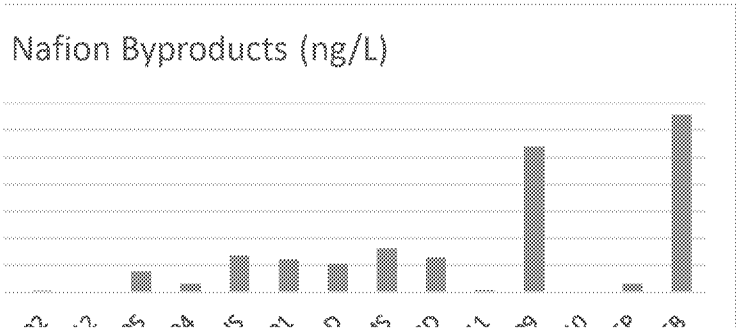


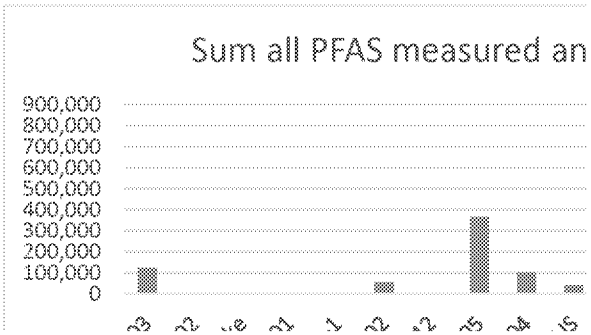




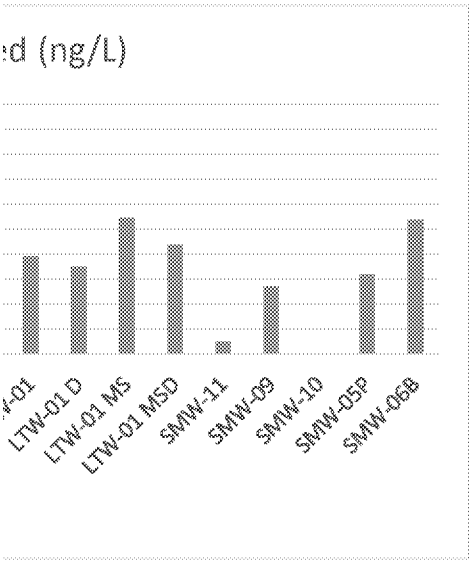
Nafion Byproducts			Summary all PFAS	
Name	Nafion BP1	Nafion BP2		Sum All PFAS (ng/L)
LTW-03		168	LTW-03	122,031
Chemours Outfall 002		3,637	Chemours Outfall 002	4,488
Intake			Intake	392
SMW-01		635	SMW-01	4,052
Insitu-1		68	Insitu-1	791
LTW-02		281	LTW-02	55,325
SMW-12			SMW-12	4,681
LTW-05		3,808	LTW-05	367,628
LTW-04	14	1,587	LTW-04	102,613
MW IS		6,863	MW IS	40,563
LTW-01		6,065	LTW-01	55,901
LTW-01 D		5,274	LTW-01 D	55,516
LTW-01 MS		8,081	LTW-01 MS	66,721
LTW-01 MSD		6,438	LTW-01 MSD	62,578
SMW-11		389	SMW-11	9,029
SMW-09	24,515	2,459	SMW-09	53,579
SMW-10			SMW-10	294
SMW-05P	79	1,514	SMW-05P	117,515
SMW-06B	20,567	12,313	SMW-06B	850,013

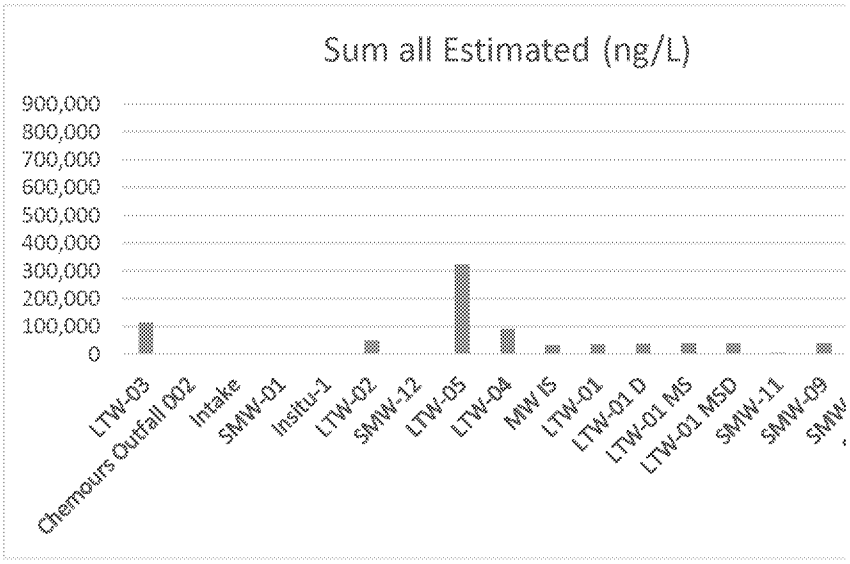


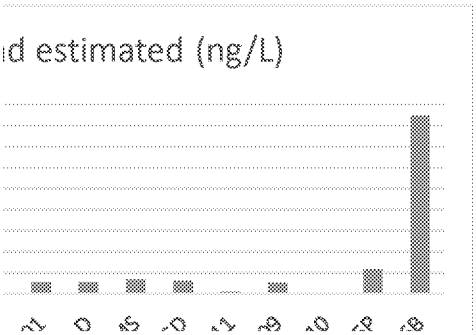




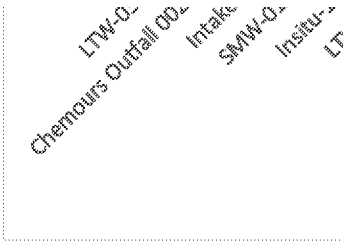
Sum all measured (ng/L)	Sum all Estimated (ng/L)
6,877	115,154
188	4,300
51	341
1,561	2,491
307	485
6,283	49,041
804	3,877
43,771	323,857
11,135	91,478
7,018	33,545
19,579	36,323
17,641	37,875
27,283	39,438
21,987	40,590
2,659	6,371
13,589	39,990
11	283
16,110	101,405
26,937	823,076

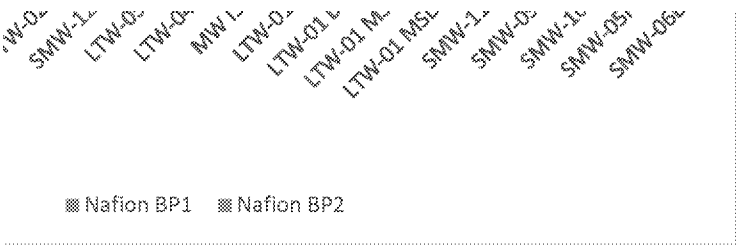


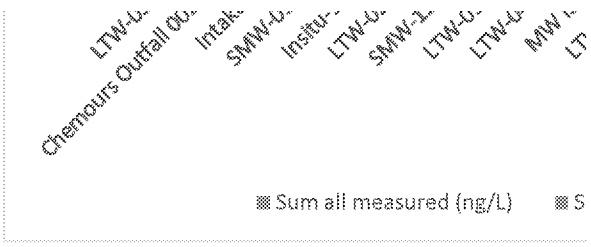


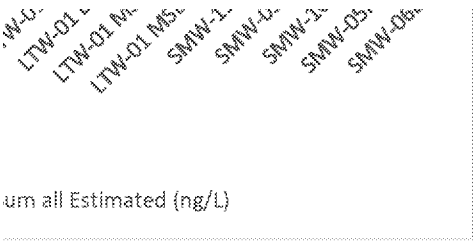


-10
SMW-05P
SMW-06B


LTW-0
Chemours Outfall 00
Intake
SMW-0
Insitu-
LT

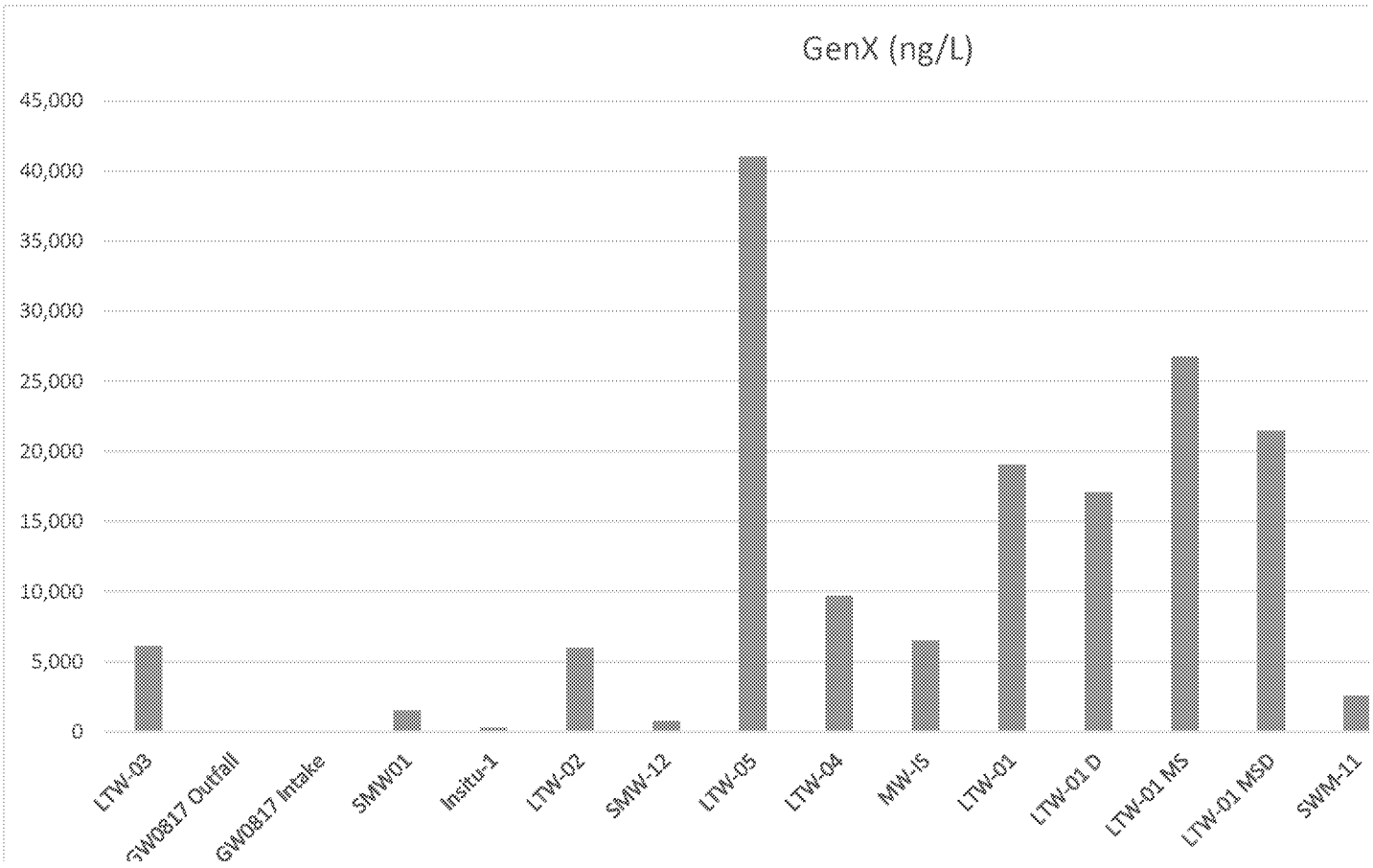

SMW-1
LTW-0
LTW-0
MW
LTW-0
LTW-01
LTW-01 M
LTW-01 MS
SMW-1
SMW-0
SMW-1
SMW-05
SMW-06
Nafion BP1
Nafion BP2


LTW-0
Chemours Outfall 00
Intak
SMW-0
Instor
LTW-0
SMW-1
LTW-0
LTW-0
MW
LT
Sum all measured (ng/L)
S

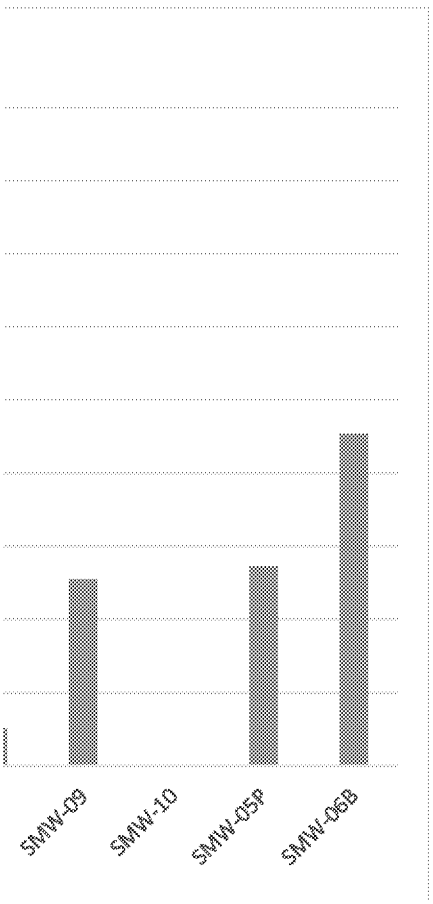

LTW-01
LTW-01
LTW-01 MS
SMW-1
SMW-1
SMW-05
um all Estimated (ng/L)

	GenX	PFBA	PFPeA	PFHxA	PFHpA	PFOA
LTW-03	6,135	130	601		11	
GW0817 Outfall	81.7	30	30	22	14	10
GW0817 Intake	<LOQ		22	18	11	
SMW01	1,519	11	20			10
Insitu-1	306.6					
LTW-02	5,995	57	232			
SMW-12	767	16	21			
LTW-05	41,036	385	1,857	86	407	
LTW-04	9,716	328	1,026	23	43	
MW-IS	6,536	105	239	14	34	71
LTW-01	19,075	162	224	19	37	61
LTW-01 D	17,108	161	251	19	40	63
LTW-01 MS	26,750	161	251	19	40	63
LTW-01 MSD	21,456	165	247	21	38	59
SWM-11	2,584	25	26			24
SMW-09	12,756	419	273	62	39	39
SMW-10	10.7					
SMW-05P	13,666	60	226	74	126	1,958
SMW-06B	22,704	447	1,401	97	186	2,101

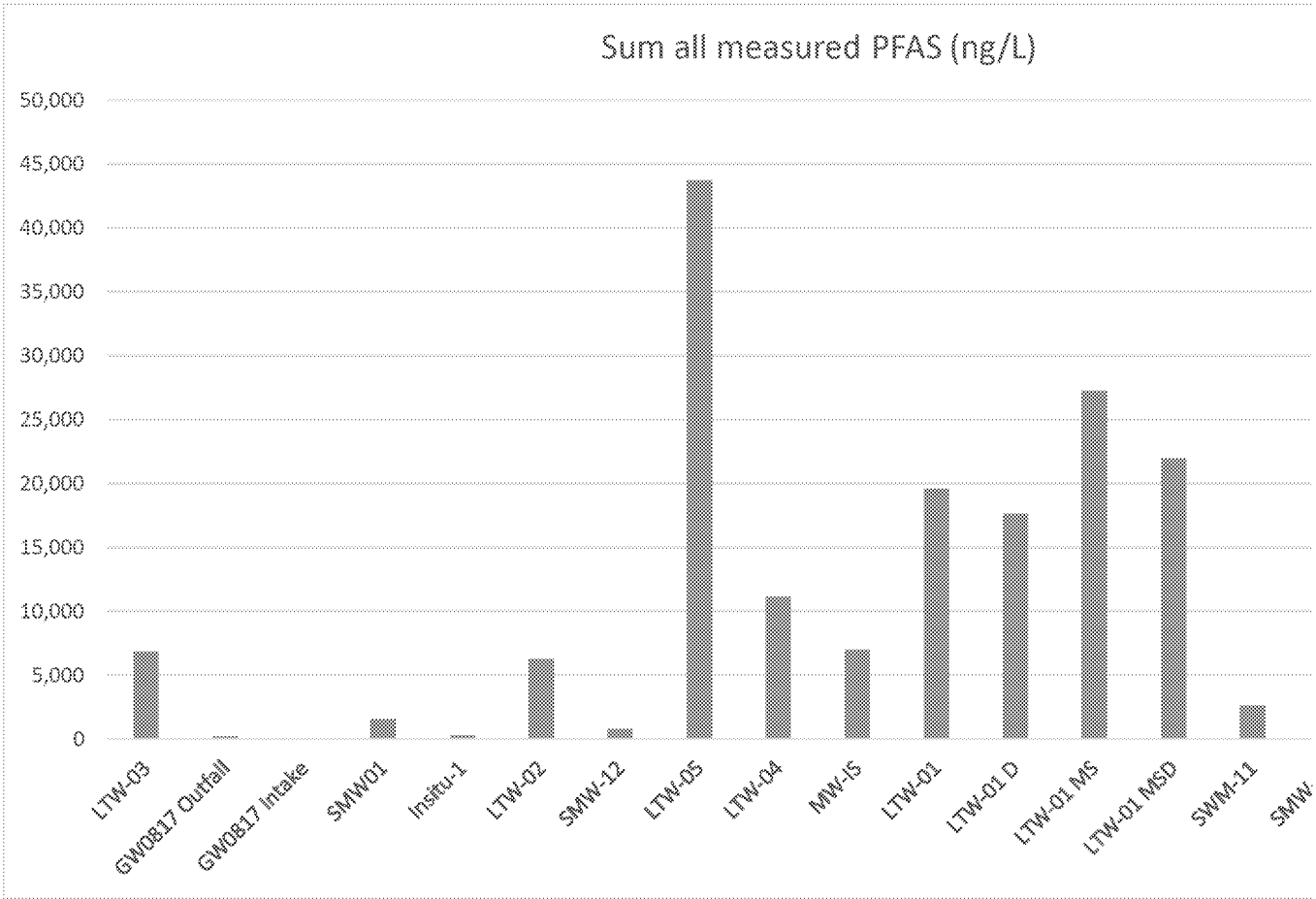
Items in red indicate upper range of calibration curve exceeded



PFNA	PFDA	PFBS	PFHxS	PFOS	PFMOAA	PFO2HxA	PFO3OA	Nafion BP1	Nafion BP2
					108,194	5,417	1,375		168
					574	58	32		3,637
					34	307			
					1,496	242	119		635
					327	79	11		68
					44,324	3,249	1,187		281
					3,671	206			
					285,408	21,151	13,491		3,808
					83,014	5,546	1,317	14	1,587
20					24,414	1,677	590		6,863
					23,541	5,088	1,629		6,065
					26,480	4,682	1,440		5,274
					24,855	5,205	1,296		8,081
					26,905	5,752	1,496		6,438
					5,652	330			389
					12,616		399	24,515	2,459
					283				
					93,564	4,663	1,585	79	1,514
					738,275	38,573	13,349	20,567	12,313

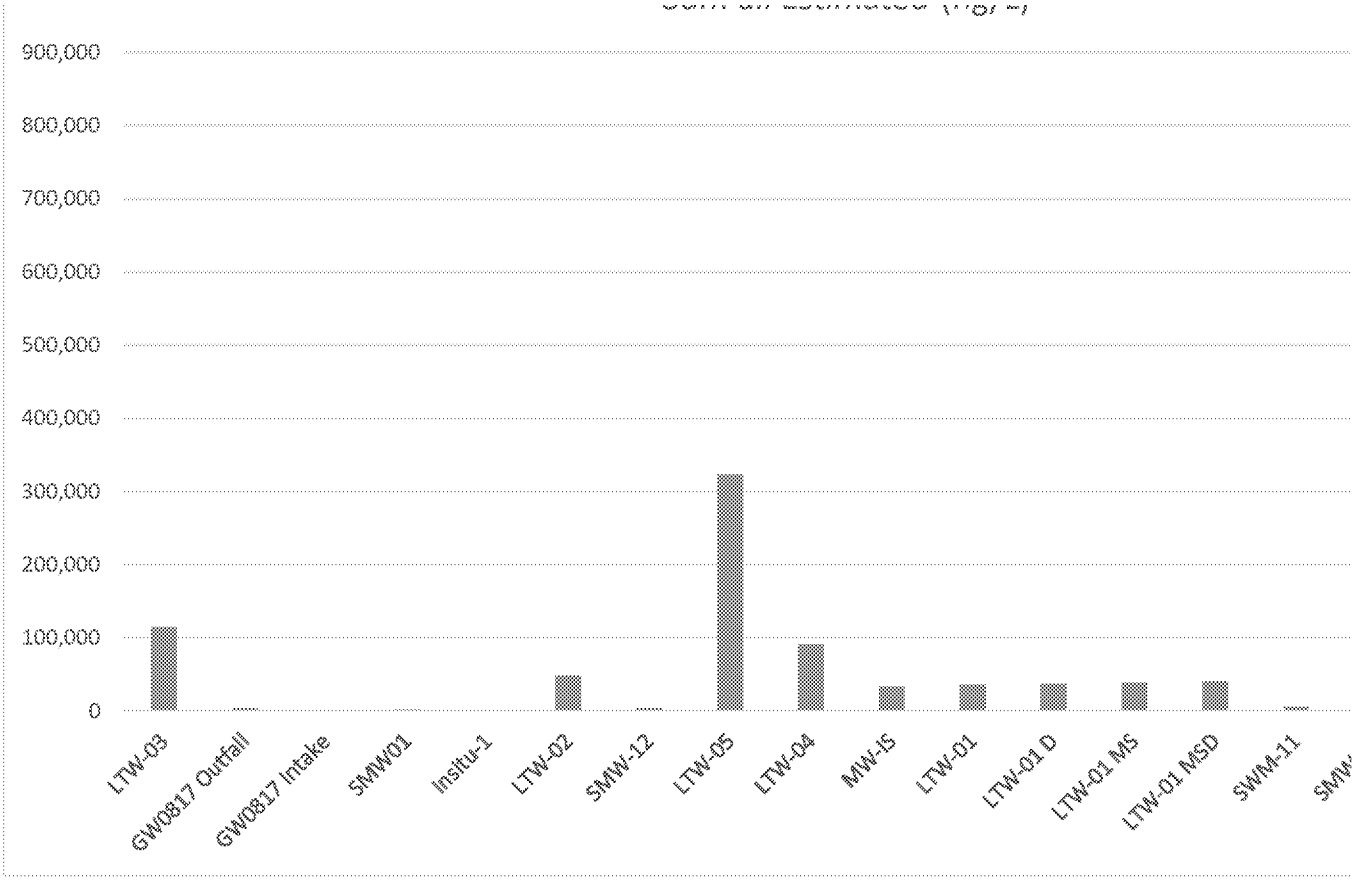


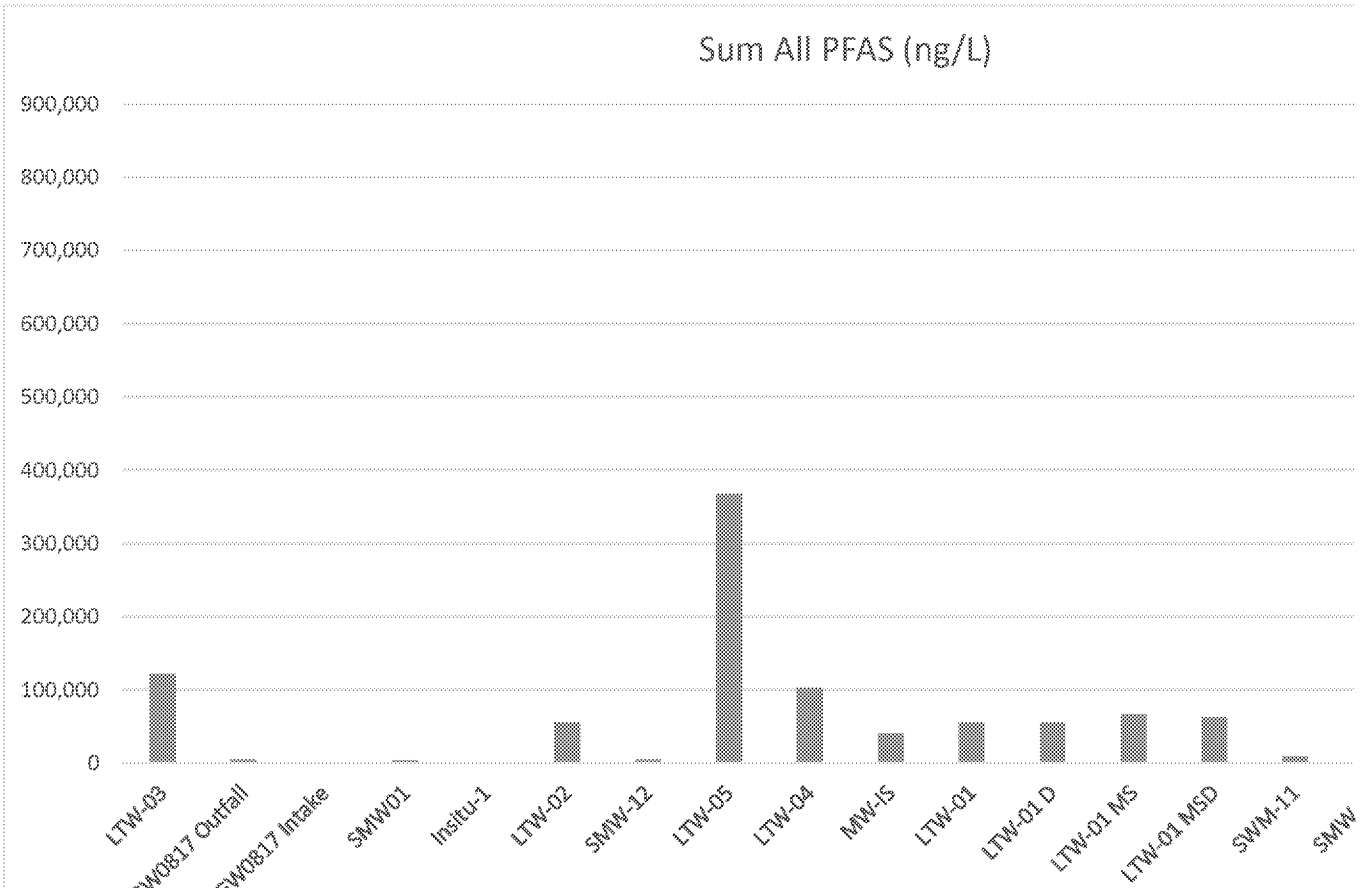
Sum all measured (ng/L)	Sum all Estimated (ng/L)	Sum All PFAS (ng/L)
6,877	115,154	122,031
188	4,300	4,488
51	341	392
1,561	2,491	4,052
307	485	791
6,283	49,041	55,325
804	3,877	4,681
43,771	323,857	367,628
11,135	91,478	102,613
7,018	33,545	40,563
19,579	36,323	55,901
17,641	37,875	55,516
27,283	39,438	66,721
21,987	40,590	62,578
2,659	6,371	9,029
13,589	39,990	53,579
11	283	294
16,110	101,405	117,515
26,937	823,076	850,013

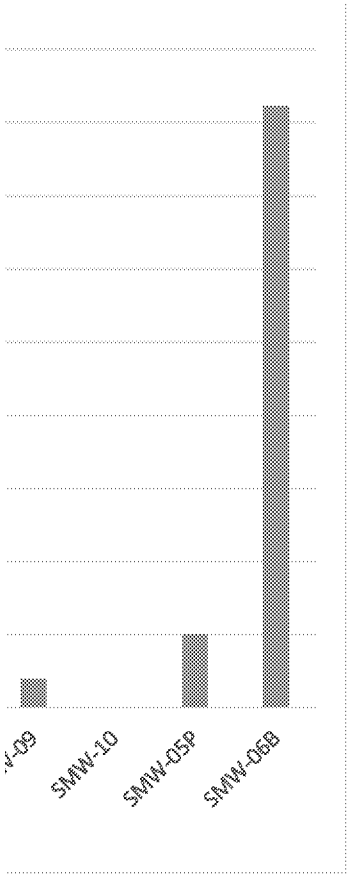


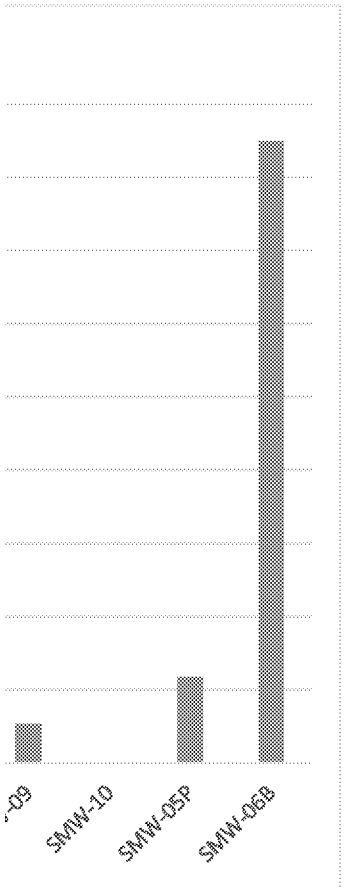
Sum all Estimated (ng/L)

-09
SMW-10
SMW-05P
SMW-06B


900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
LTW-03
GW0817 Outfall
GW0817 Intake
SMW01
Insitu-1
LTW-02
SMW-12
LTW-05
LTW-04
MW-IS
LTW-01
LTW-01 D
LTW-01 MS
LTW-01 MSD
SWM-11


Sum All PFAS (ng/L)
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
LTW-03
GW0817 Outfall
GW0817 Intake
SMW01
Insitu-1
LTW-02
SMW-12
LTW-05
LTW-04
MW-IS
LTW-01
LTW-01 D
LTW-01 MS
LTW-01 MSD
SWM-11


SMW-09
SMW-10
SMW-05P
SMW-06B


SMW-09
SMW-10
SMW-05P
SMW-06B