



Well #2

**PFAA Sample Analysis Summary**

Client's Sample ID	City Sparta - PW#2	Date Extracted	12/13/2017
Lab Sample ID	465624001	Total Amount Extracted	252 mL
Filename	10LCMS02_171214A_038	ICAL ID	171031A02
Matrix	Drinking_Water	Starting CCal	10LCMS02_171214A_031
Collected	12/07/2017	Ending CCal	10LCMS02_171214A_050
Received	12/08/2017	Method Blank Filename	10LCMS02_171214A_033

Compound	Concentration (ng/L)	PQL (ng/L)	MDL (ng/L)	Dilution	Analyzed	CAS No.	Qual.
PFBS	2.2	2	0.32	1	12/14/2017 21:49	375-73-5	
PFHxA	ND	2	0.38	1	12/14/2017 21:49	307-24-4	
PFHpA	ND	2	0.64	1	12/14/2017 21:49	375-85-9	
PFHxS	ND	2	0.62	1	12/14/2017 21:49	355-46-4	
PFOA	ND	2	0.43	1	12/14/2017 21:49	335-67-1	
PFNA	ND	2	0.68	1	12/14/2017 21:49	375-95-1	
PFOS	ND	2	0.45	1	12/14/2017 21:49	1763-23-1	
PFDA	ND	2	0.39	1	12/14/2017 21:49	335-76-2	
PFUdA	ND	2	0.55	1	12/14/2017 21:49	2058-94-8	
N-MeFOSAA	ND	4	0.98	1	12/14/2017 21:49	2355-31-9	
N-EtFOSAA	ND	4	1.3	1	12/14/2017 21:49	2991-50-6	
PFDoA	ND	2	0.47	1	12/14/2017 21:49	307-55-1	
PFTTrDA	ND	2	0.45	1	12/14/2017 21:49	72629-94-8	
PFTTeDA	ND	2	0.37	1	12/14/2017 21:49	376-06-7	
PFPPrOPrA	ND	4	1.4	1	12/14/2017 21:49	62037-80-3	
PFBA	ND	2	0.61	1	12/14/2017 21:49	375-22-4	
PFPeA	ND	2	0.36	1	12/14/2017 21:49	2706-90-3	
PFDS	ND	2	0.46	1	12/14/2017 21:49	335-77-3	
NaDONA	ND	4	1.5	1	12/14/2017 21:49	958445-44-8	
PFHxDA	ND	2	0.51	1	12/14/2017 21:49	67905-19-5	
PFODA	ND	2	0.60	1	12/14/2017 21:49	16517-11-6	

**Surrogate Standards**

SS Compound	Spiked	Found	%Recovery	Limits	Pass/Fail
13C2_PFHxA	2.0	1.7	85	70 - 130	Pass
13C2_PFDA	2.0	2.0	98	70 - 130	Pass
d5-EtFOSAA	8.0	7.0	88	70 - 130	Pass

**Internal Standards**

IS Compound	Area	Ical Limits	CCV Limits	Pass/Fail
13C3_PFPPrOPrA	385980	299325 - 897974	314087 - 628174	Pass
13C2_PFOA	256365	122449 - 367348	157977 - 315953	Pass
13C4_PFOS	381578	209883 - 629649	229128 - 458256	Pass
d3-MeFOSAA	155354	95616 - 286847	92247 - 184493	Pass

50-150% of Ical area

70-140% of the preceding CCV area



Well #5

### PFAA Sample Analysis Summary

Client's Sample ID	City Sparta - PW#5	Date Extracted	12/13/2017
Lab Sample ID	465624003	Total Amount Extracted	244 mL
Filename	10LCMS02_171214A_040	ICAL ID	171031A02
Matrix	Drinking_Water	Starting CCal	10LCMS02_171214A_031
Collected	12/07/2017	Ending CCal	10LCMS02_171214A_050
Received	12/08/2017	Method Blank Filename	10LCMS02_171214A_033

Compound	Concentration (ng/L)	PQL (ng/L)	MDL (ng/L)	Dilution	Analyzed	CAS No.	Qual.
PFBS	ND	2	0.33	1	12/14/2017 22:13	375-73-5	
PFHxA	ND	2	0.40	1	12/14/2017 22:13	307-24-4	
PFHpA	ND	2	0.66	1	12/14/2017 22:13	375-85-9	
PFHxS	ND	2	0.64	1	12/14/2017 22:13	355-46-4	
PFOA	ND	2	0.44	1	12/14/2017 22:13	335-67-1	
PFNA	ND	2	0.71	1	12/14/2017 22:13	375-95-1	
PFOS	ND	2	0.46	1	12/14/2017 22:13	1763-23-1	
PFDA	ND	2	0.40	1	12/14/2017 22:13	335-76-2	
PFUdA	ND	2	0.57	1	12/14/2017 22:13	2058-94-8	
N-MeFOSAA	ND	4	1.0	1	12/14/2017 22:13	2355-31-9	
N-EtFOSAA	ND	4	1.4	1	12/14/2017 22:13	2991-50-6	
PFDoA	ND	2	0.48	1	12/14/2017 22:13	307-55-1	
PFTTrDA	ND	2	0.47	1	12/14/2017 22:13	72629-94-8	
PFTeDA	ND	2	0.38	1	12/14/2017 22:13	376-06-7	
PFPrOPrA	ND	4	1.4	1	12/14/2017 22:13	62037-80-3	
PFBA	ND	2	0.63	1	12/14/2017 22:13	375-22-4	
PFPeA	ND	2	0.38	1	12/14/2017 22:13	2706-90-3	
PFDS	ND	2	0.48	1	12/14/2017 22:13	335-77-3	
NaDONA	ND	4	1.5	1	12/14/2017 22:13	958445-44-8	
PFHxDA	ND	2	0.53	1	12/14/2017 22:13	67905-19-5	
PFODA	ND	2	0.62	1	12/14/2017 22:13	16517-11-6	

#### Surrogate Standards

SS Compound	Spiked	Found	%Recovery	Limits	Pass/Fail
13C2_PFHxA	2.0	1.8	88	70 - 130	Pass
13C2_PFDA	2.0	2.1	103	70 - 130	Pass
d5-EtFOSAA	8.0	6.5	81	70 - 130	Pass

#### Internal Standards

IS Compound	Area	Ical Limits	CCV Limits	Pass/Fail
13C3_PFPPrOPrA	414921	299325 - 897974	314087 - 628174	Pass
13C2_PFOA	255138	122449 - 367348	157977 - 315953	Pass
13C4_PFOS	397740	209883 - 629649	229128 - 458256	Pass
d3-MeFOSAA	158071	95616 - 286847	92247 - 184493	Pass

50-150% of Ical area

70-140% of the preceding CCV area



Well #4

**PFAA Sample Analysis Summary**

Client's Sample ID	City Sparta - PW#4	Date Extracted	12/13/2017
Lab Sample ID	465624004	Total Amount Extracted	249 mL
Filename	10LCMS02_171214A_041	ICAL ID	171031A02
Matrix	Drinking_Water	Starting CCal	10LCMS02_171214A_031
Collected	12/07/2017	Ending CCal	10LCMS02_171214A_050
Received	12/08/2017	Method Blank Filename	10LCMS02_171214A_033

Compound	Concentration (ng/L)	PQL (ng/L)	MDL (ng/L)	Dilution	Analyzed	CAS No.	Qual.
PFBS	ND	2	0.32	1	12/14/2017 22:26	375-73-5	
PFHxA	ND	2	0.39	1	12/14/2017 22:26	307-24-4	
PFHpA	ND	2	0.65	1	12/14/2017 22:26	375-85-9	
PFHxS	ND	2	0.62	1	12/14/2017 22:26	355-46-4	
PFOA	ND	2	0.43	1	12/14/2017 22:26	335-67-1	
PFNA	ND	2	0.69	1	12/14/2017 22:26	375-95-1	
PFOS	ND	2	0.45	1	12/14/2017 22:26	1763-23-1	
PFDA	ND	2	0.39	1	12/14/2017 22:26	335-76-2	
PFUdA	ND	2	0.56	1	12/14/2017 22:26	2058-94-8	
N-MeFOSAA	ND	4	1.00	1	12/14/2017 22:26	2355-31-9	
N-EtFOSAA	ND	4	1.3	1	12/14/2017 22:26	2991-50-6	
PFDaA	ND	2	0.47	1	12/14/2017 22:26	307-55-1	
PFTrDA	ND	2	0.46	1	12/14/2017 22:26	72629-94-8	
PFTeDA	ND	2	0.38	1	12/14/2017 22:26	376-06-7	
PFPrOPrA	ND	4	1.4	1	12/14/2017 22:26	62037-80-3	
PFBA	ND	2	0.62	1	12/14/2017 22:26	375-22-4	
PFPeA	ND	2	0.37	1	12/14/2017 22:26	2706-90-3	
PFDS	ND	2	0.47	1	12/14/2017 22:26	335-77-3	
NaDONA	ND	4	1.5	1	12/14/2017 22:26	958445-44-8	
PFHxDA	ND	2	0.52	1	12/14/2017 22:26	67905-19-5	
PFODA	ND	2	0.61	1	12/14/2017 22:26	16517-11-6	

**Surrogate Standards**

SS Compound	Spiked	Found	%Recovery	Limits	Pass/Fail
13C2_PFHxA	2.0	1.7	86	70 - 130	Pass
13C2_PFDA	2.0	2.0	100	70 - 130	Pass
d5-EtFOSAA	8.0	6.3	79	70 - 130	Pass

**Internal Standards**

IS Compound	Area	Ical Limits	CCV Limits	Pass/Fail
13C3_PFPPrOPrA	388708	299325 - 897974	314087 - 628174	Pass
13C2_PFOA	251754	122449 - 367348	157977 - 315953	Pass
13C4_PFOS	380865	209883 - 629649	229128 - 458256	Pass
d3-MeFOSAA	159072	95616 - 286847	92247 - 184493	Pass

50-150% of Ical area

70-140% of the preceding CCV area