

Surrogate Summary

SW-846

SDG No.: Q2819

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169242BL	PB169242BL	2-Fluorophenol	150	139	92		35	115
		Phenol-d6	150	132	88		34	127
		Nitrobenzene-d5	100	88.9	89		37	122
		2-Fluorobiphenyl	100	82.6	83		44	115
		2,4,6-Tribromophenol	150	145	97		39	132
		Terphenyl-d14	100	83.3	83		54	127
PB169242BS	PB169242BS	2-Fluorophenol	150	134	90		35	115
		Phenol-d6	150	134	90		34	127
		Nitrobenzene-d5	100	83.8	84		37	122
		2-Fluorobiphenyl	100	76.8	77		44	115
		2,4,6-Tribromophenol	150	145	97		39	132
		Terphenyl-d14	100	86.4	86		54	127
Q2819-01	22BP-N	2-Fluorophenol	150	130	87		35	115
		Phenol-d6	150	136	91		34	127
		Nitrobenzene-d5	100	97.2	97		37	122
		2-Fluorobiphenyl	100	93.8	94		44	115
		2,4,6-Tribromophenol	150	134	89		39	132
		Terphenyl-d14	100	76.2	76		54	127
Q2819-02	22BP-E	2-Fluorophenol	150	82.1	55		35	115
		Phenol-d6	150	83.1	55		34	127
		Nitrobenzene-d5	100	55.6	56		37	122
		2-Fluorobiphenyl	100	53.7	54		44	115
		2,4,6-Tribromophenol	150	84.1	56		39	132
		Terphenyl-d14	100	51.6	52	*	54	127
Q2819-03	22BP-W	2-Fluorophenol	150	95.1	63		35	115
		Phenol-d6	150	94.0	63		34	127
		Nitrobenzene-d5	100	61.7	62		37	122
		2-Fluorobiphenyl	100	57.1	57		44	115
		2,4,6-Tribromophenol	150	91.0	61		39	132
		Terphenyl-d14	100	54.3	54		54	127
Q2819-03MS	22BP-WMS	2-Fluorophenol	150	102	68		35	115
		Phenol-d6	150	105	70		34	127
		Nitrobenzene-d5	100	65.0	65		37	122
		2-Fluorobiphenyl	100	58.5	58		44	115
		2,4,6-Tribromophenol	150	106	70		39	132
		Terphenyl-d14	100	70.4	70		54	127
Q2819-03MSD	22BP-WMSD	2-Fluorophenol	150	103	69		35	115
		Phenol-d6	150	101	68		34	127
		Nitrobenzene-d5	100	65.6	66		37	122
		2-Fluorobiphenyl	100	60.6	61		44	115
		2,4,6-Tribromophenol	150	104	69		39	132
		Terphenyl-d14	100	60.7	61		54	127
Q2819-04	22BP-S	2-Fluorophenol	150	62.0	41		35	115
		Phenol-d6	150	63.4	42		34	127
		Nitrobenzene-d5	100	39.4	39		37	122
		2-Fluorobiphenyl	100	36.9	37	*	44	115
		2,4,6-Tribromophenol	150	64.2	43		39	132
		Terphenyl-d14	100	34.8	35	*	54	127
Q2819-04RE	22BP-SRE	2-Fluorophenol	150	65.0	43		35	115
		Phenol-d6	150	65.8	44		34	127
		Nitrobenzene-d5	100	46.8	47		37	122

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Q2819-04RE	22BP-SRE	2-Fluorobiphenyl	100	48.0	48		44	115
		2,4,6-Tribromophenol	150	56.6	38	*	39	132
		Terphenyl-d14	100	32.3	32	*	54	127
Q2819-05	11M-W	2-Fluorophenol	150	122	81		35	115
		Phenol-d6	150	124	83		34	127
		Nitrobenzene-d5	100	78.0	78		37	122
Q2819-06	11M-S	2-Fluorobiphenyl	100	70.5	71		44	115
		2,4,6-Tribromophenol	150	130	87		39	132
		Terphenyl-d14	100	70.1	70		54	127
Q2819-07	11M-N	2-Fluorophenol	150	81.4	54		35	115
		Phenol-d6	150	83.1	55		34	127
		Nitrobenzene-d5	100	60.4	60		37	122
Q2819-08	11M-E	2-Fluorobiphenyl	100	57.5	58		44	115
		2,4,6-Tribromophenol	150	80.2	53		39	132
		Terphenyl-d14	100	48.2	48	*	54	127
Q2819-09	84SB-E	2-Fluorophenol	150	84.9	57		35	115
		Phenol-d6	150	86.5	58		34	127
		Nitrobenzene-d5	100	62.8	63		37	122
Q2819-10	11M-F	2-Fluorobiphenyl	100	56.6	57		44	115
		2,4,6-Tribromophenol	150	77.3	52		39	132
		Terphenyl-d14	100	50.5	50	*	54	127
Q2819-11	11M-G	2-Fluorophenol	150	59.8	40		35	115
		Phenol-d6	150	65.5	44		34	127
		Nitrobenzene-d5	100	43.3	43		37	122
Q2819-12	11M-H	2-Fluorobiphenyl	100	54.7	55		44	115
		2,4,6-Tribromophenol	150	100.0	67		39	132
		Terphenyl-d14	100	60.2	60		54	127
Q2819-13	11M-I	2-Fluorophenol	150	97.1	65		35	115
		Phenol-d6	150	93.3	62		34	127
		Nitrobenzene-d5	100	65.3	65		37	122
Q2819-14	11M-J	2-Fluorobiphenyl	100	55.4	55		44	115
		2,4,6-Tribromophenol	150	98.0	65		39	132
		Terphenyl-d14	100	51.5	51	*	54	127

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							Low	High
PB169259BL	PB169259BL	2-Fluorophenol	150	124	83		35	115
		Phenol-d6	150	117	78		34	127
		Nitrobenzene-d5	100	81.8	82		37	122
		2-Fluorobiphenyl	100	79.6	80		44	115
		2,4,6-Tribromophenol	150	123	82		39	132
		Terphenyl-d14	100	73.5	74		54	127
PB169259BS	PB169259BS	2-Fluorophenol	150	127	85		35	115
		Phenol-d6	150	120	80		34	127
		Nitrobenzene-d5	100	82.7	83		37	122
		2-Fluorobiphenyl	100	82.3	82		44	115
		2,4,6-Tribromophenol	150	129	86		39	132
		Terphenyl-d14	100	76.9	77		54	127
Q2819-10	84SB-S	2-Fluorophenol	150	53.7	36		35	115
		Phenol-d6	150	53.3	36		34	127
		Nitrobenzene-d5	100	35.9	36	*	37	122
		2-Fluorobiphenyl	100	34.1	34	*	44	115
		2,4,6-Tribromophenol	150	51.2	34	*	39	132
		Terphenyl-d14	100	31.4	31	*	54	127
Q2819-10RE	84SB-SRE	2-Fluorophenol	150	55.5	37		35	115
		Phenol-d6	150	55.3	37		34	127
		Nitrobenzene-d5	100	40.9	41		37	122
		2-Fluorobiphenyl	100	42.6	43	*	44	115
		2,4,6-Tribromophenol	150	47.5	32	*	39	132
		Terphenyl-d14	100	33.0	33	*	54	127
Q2819-11	84SB-W	2-Fluorophenol	150	69.0	46		35	115
		Phenol-d6	150	70.0	47		34	127
		Nitrobenzene-d5	100	50.9	51		37	122
		2-Fluorobiphenyl	100	51.2	51		44	115
		2,4,6-Tribromophenol	150	62.6	42		39	132
		Terphenyl-d14	100	37.3	37	*	54	127
Q2819-12	17M-S	2-Fluorophenol	150	81.5	54		35	115
		Phenol-d6	150	82.0	55		34	127
		Nitrobenzene-d5	100	52.3	52		37	122
		2-Fluorobiphenyl	100	50.8	51		44	115
		2,4,6-Tribromophenol	150	82.6	55		39	132
		Terphenyl-d14	100	51.8	52	*	54	127
Q2819-13	17M-E	2-Fluorophenol	150	78.2	52		35	115
		Phenol-d6	150	80.0	53		34	127
		Nitrobenzene-d5	100	58.1	58		37	122
		2-Fluorobiphenyl	100	57.8	58		44	115
		2,4,6-Tribromophenol	150	72.9	49		39	132
		Terphenyl-d14	100	40.4	40	*	54	127
Q2819-14	17M-W	2-Fluorophenol	150	77.1	51		35	115
		Phenol-d6	150	79.5	53		34	127
		Nitrobenzene-d5	100	56.4	56		37	122
		2-Fluorobiphenyl	100	54.4	54		44	115
		2,4,6-Tribromophenol	150	79.8	53		39	132
		Terphenyl-d14	100	50.9	51	*	54	127
Q2819-15	17M-N	2-Fluorophenol	150	77.2	51		35	115
		Phenol-d6	150	80.3	54		34	127
		Nitrobenzene-d5	100	57.1	57		37	122

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Q2819-15	17M-N	2-Fluorobiphenyl	100	51.1	51		44	115
		2,4,6-Tribromophenol	150	76.3	51		39	132
		Terphenyl-d14	100	47.3	47	*	54	127
Q2819-16	38M-S	2-Fluorophenol	150	90.9	61		35	115
		Phenol-d6	150	91.8	61		34	127
		Nitrobenzene-d5	100	59.4	59		37	122
Q2819-17	38M-N	2-Fluorobiphenyl	100	60.1	60		44	115
		2,4,6-Tribromophenol	150	87.3	58		39	132
		Terphenyl-d14	100	56.6	57		54	127
Q2819-17	38M-N	2-Fluorophenol	150	110	73		35	115
		Phenol-d6	150	108	72		34	127
		Nitrobenzene-d5	100	71.1	71		37	122
Q2819-17MS	38M-NMS	2-Fluorobiphenyl	100	60.9	61		44	115
		2,4,6-Tribromophenol	150	103	69		39	132
		Terphenyl-d14	100	62.6	63		54	127
Q2819-17MSD	38M-NMSD	2-Fluorophenol	150	101	67		35	115
		Phenol-d6	150	98.5	66		34	127
		Nitrobenzene-d5	100	64.1	64		37	122
Q2819-18	38M-W	2-Fluorobiphenyl	100	56.9	57		44	115
		2,4,6-Tribromophenol	150	100	67		39	132
		Terphenyl-d14	100	56.8	57		54	127
Q2819-19	38M-E	2-Fluorophenol	150	115	77		35	115
		Phenol-d6	150	112	74		34	127
		Nitrobenzene-d5	100	74.1	74		37	122
Q2819-20	82H-E	2-Fluorobiphenyl	100	65.3	65		44	115
		2,4,6-Tribromophenol	150	116	78		39	132
		Terphenyl-d14	100	65.5	65		54	127
Q2819-18	38M-W	2-Fluorophenol	150	89.5	60		35	115
		Phenol-d6	150	90.6	60		34	127
		Nitrobenzene-d5	100	64.4	64		37	122
Q2819-19	38M-E	2-Fluorobiphenyl	100	64.8	65		44	115
		2,4,6-Tribromophenol	150	88.8	59		39	132
		Terphenyl-d14	100	65.7	66		54	127
Q2819-19	38M-E	2-Fluorophenol	150	79.5	53		35	115
		Phenol-d6	150	85.1	57		34	127
		Nitrobenzene-d5	100	57.0	57		37	122
Q2819-20	82H-E	2-Fluorobiphenyl	100	57.6	58		44	115
		2,4,6-Tribromophenol	150	87.2	58		39	132
		Terphenyl-d14	100	60.2	60		54	127
Q2819-20	82H-E	2-Fluorophenol	150	90.2	60		35	115
		Phenol-d6	150	92.1	61		34	127
		Nitrobenzene-d5	100	65.3	65		37	122
Q2819-20	82H-E	2-Fluorobiphenyl	100	62.4	62		44	115
		2,4,6-Tribromophenol	150	90.6	60		39	132
		Terphenyl-d14	100	58.6	59		54	127