

Surrogate Summary

SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169210BL	PB169210BL	2-Fluorophenol	150	124	82		35	115
		Phenol-d6	150	109	73		34	127
		Nitrobenzene-d5	100	86.3	86		37	122
		2-Fluorobiphenyl	100	82.2	82		44	115
		2,4,6-Tribromophenol	150	156	104		39	132
		Terphenyl-d14	100	79.4	79		54	127
PB169210BS	PB169210BS	2-Fluorophenol	150	136	91		35	115
		Phenol-d6	150	138	92		34	127
		Nitrobenzene-d5	100	79.6	80		37	122
		2-Fluorobiphenyl	100	79.7	80		44	115
		2,4,6-Tribromophenol	150	138	92		39	132
		Terphenyl-d14	100	83.1	83		54	127
Q2820-01	82H-S	2-Fluorophenol	150	67.2	45		35	115
		Phenol-d6	150	62.0	41		34	127
		Nitrobenzene-d5	100	46.7	47		37	122
		2-Fluorobiphenyl	100	42.7	43	*	44	115
		2,4,6-Tribromophenol	150	89.8	60		39	132
		Terphenyl-d14	100	41.9	42	*	54	127
Q2820-01RE	82H-SRE	2-Fluorophenol	150	71.8	48		35	115
		Phenol-d6	150	74.4	50		34	127
		Nitrobenzene-d5	100	44.1	44		37	122
		2-Fluorobiphenyl	100	41.8	42	*	44	115
		2,4,6-Tribromophenol	150	68.7	46		39	132
		Terphenyl-d14	100	42.1	42	*	54	127
Q2820-02	82H-W	2-Fluorophenol	150	77.3	52		35	115
		Phenol-d6	150	72.6	48		34	127
		Nitrobenzene-d5	100	52.5	52		37	122
		2-Fluorobiphenyl	100	45.8	46		44	115
		2,4,6-Tribromophenol	150	106	70		39	132
		Terphenyl-d14	100	45.5	46	*	54	127
Q2820-03	82H-N	2-Fluorophenol	150	73.7	49		35	115
		Phenol-d6	150	66.9	45		34	127
		Nitrobenzene-d5	100	52.4	52		37	122
		2-Fluorobiphenyl	100	49.1	49		44	115
		2,4,6-Tribromophenol	150	101	67		39	132
		Terphenyl-d14	100	46.3	46	*	54	127
Q2820-04	SOIL-DUP-1	2-Fluorophenol	150	76.9	51		35	115
		Phenol-d6	150	69.4	46		34	127
		Nitrobenzene-d5	100	53.0	53		37	122
		2-Fluorobiphenyl	100	51.6	52		44	115
		2,4,6-Tribromophenol	150	112	74		39	132
		Terphenyl-d14	100	52.4	52	*	54	127
Q2820-05	518R-E	2-Fluorophenol	150	117	78		35	115
		Phenol-d6	150	110	73		34	127
		Nitrobenzene-d5	100	78.6	79		37	122
		2-Fluorobiphenyl	100	55.8	56		44	115
		2,4,6-Tribromophenol	150	154	102		39	132
		Terphenyl-d14	100	45.7	46	*	54	127
Q2820-06	518R-N	2-Fluorophenol	150	115	77		35	115
		Phenol-d6	150	111	74		34	127
		Nitrobenzene-d5	100	78.4	78		37	122

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SDG No.: **Q2820**

Client: **First Environment, Inc.**

Analytical Method: **8270E**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2820-06	518R-N	2-Fluorobiphenyl	100	56.0	56		44	115
		2,4,6-Tribromophenol	150	152	101		39	132
		Terphenyl-d14	100	55.6	56		54	127
Q2820-07	518R-S	2-Fluorophenol	150	73.2	49		35	115
		Phenol-d6	150	67.7	45		34	127
		Nitrobenzene-d5	100	48.9	49		37	122
		2-Fluorobiphenyl	100	42.9	43	*	44	115
		2,4,6-Tribromophenol	150	91.9	61		39	132
		Terphenyl-d14	100	37.9	38	*	54	127
Q2820-07RE	518R-SRE	2-Fluorophenol	150	77.1	51		35	115
		Phenol-d6	150	79.3	53		34	127
		Nitrobenzene-d5	100	45.9	46		37	122
		2-Fluorobiphenyl	100	42.5	42	*	44	115
		2,4,6-Tribromophenol	150	74.3	50		39	132
		Terphenyl-d14	100	35.6	36	*	54	127
Q2820-08	518R-W	2-Fluorophenol	150	121	81		35	115
		Phenol-d6	150	113	75		34	127
		Nitrobenzene-d5	100	85.8	86		37	122
		2-Fluorobiphenyl	100	80.0	80		44	115
		2,4,6-Tribromophenol	150	177	118		39	132
		Terphenyl-d14	100	82.0	82		54	127
Q2820-09	705R-S	2-Fluorophenol	150	77.6	52		35	115
		Phenol-d6	150	70.1	47		34	127
		Nitrobenzene-d5	100	52.7	53		37	122
		2-Fluorobiphenyl	100	47.8	48		44	115
		2,4,6-Tribromophenol	150	107	71		39	132
		Terphenyl-d14	100	46.8	47	*	54	127
Q2830-05MS	BIN0009-DRIVEWAY-TP-WESTSID	2-Fluorophenol	150	95.7	64		35	115
		Phenol-d6	150	95.4	64		34	127
		Nitrobenzene-d5	100	75.4	75		37	122
		2-Fluorobiphenyl	100	68.9	69		44	115
		2,4,6-Tribromophenol	150	121	81		39	132
		Terphenyl-d14	100	58.4	58		54	127
Q2830-05MSD	BIN0009-DRIVEWAY-TP-WESTSID	2-Fluorophenol	150	97.8	65		35	115
		Phenol-d6	150	101	67		34	127
		Nitrobenzene-d5	100	77.3	77		37	122
		2-Fluorobiphenyl	100	65.9	66		44	115
		2,4,6-Tribromophenol	150	142	95		39	132
		Terphenyl-d14	100	77.5	78		54	127

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Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169228BL	PB169228BL	2-Fluorophenol	150	124	82		35	115
		Phenol-d6	150	118	79		34	127
		Nitrobenzene-d5	100	76.2	76		37	122
		2-Fluorobiphenyl	100	75.0	75		44	115
		2,4,6-Tribromophenol	150	124	83		39	132
		Terphenyl-d14	100	73.2	73		54	127
PB169228BS	PB169228BS	2-Fluorophenol	150	125	84		35	115
		Phenol-d6	150	126	84		34	127
		Nitrobenzene-d5	100	76.0	76		37	122
		2-Fluorobiphenyl	100	73.2	73		44	115
		2,4,6-Tribromophenol	150	128	85		39	132
		Terphenyl-d14	100	77.4	77		54	127
Q2820-10	SOIL-DUP-2	2-Fluorophenol	150	123	82		35	115
		Phenol-d6	150	127	85		34	127
		Nitrobenzene-d5	100	74.9	75		37	122
		2-Fluorobiphenyl	100	66.4	66		44	115
		2,4,6-Tribromophenol	150	134	89		39	132
		Terphenyl-d14	100	66.5	67		54	127
Q2820-11	10PC-W	2-Fluorophenol	150	80.8	54		35	115
		Phenol-d6	150	82.1	55		34	127
		Nitrobenzene-d5	100	50.5	50		37	122
		2-Fluorobiphenyl	100	51.0	51		44	115
		2,4,6-Tribromophenol	150	86.7	58		39	132
		Terphenyl-d14	100	50.3	50	*	54	127
Q2820-12	10PC-S	2-Fluorophenol	150	84.4	56		35	115
		Phenol-d6	150	87.0	58		34	127
		Nitrobenzene-d5	100	60.8	61		37	122
		2-Fluorobiphenyl	100	63.3	63		44	115
		2,4,6-Tribromophenol	150	87.4	58		39	132
		Terphenyl-d14	100	61.6	62		54	127
Q2820-13	10P-W	2-Fluorophenol	150	90.8	61		35	115
		Phenol-d6	150	92.1	61		34	127
		Nitrobenzene-d5	100	58.8	59		37	122
		2-Fluorobiphenyl	100	55.5	56		44	115
		2,4,6-Tribromophenol	150	96.7	64		39	132
		Terphenyl-d14	100	55.1	55		54	127
Q2820-14	10P-E	2-Fluorophenol	150	85.8	57		35	115
		Phenol-d6	150	87.1	58		34	127
		Nitrobenzene-d5	100	52.5	52		37	122
		2-Fluorobiphenyl	100	50.6	51		44	115
		2,4,6-Tribromophenol	150	88.4	59		39	132
		Terphenyl-d14	100	51.5	51	*	54	127
Q2820-15	10P-S	2-Fluorophenol	150	99.3	66		35	115
		Phenol-d6	150	95.8	64		34	127
		Nitrobenzene-d5	100	70.0	70		37	122
		2-Fluorobiphenyl	100	64.0	64		44	115
		2,4,6-Tribromophenol	150	88.5	59		39	132
		Terphenyl-d14	100	55.5	55		54	127
Q2820-16	10P-N	2-Fluorophenol	150	75.3	50		35	115
		Phenol-d6	150	76.1	51		34	127
		Nitrobenzene-d5	100	46.3	46		37	122

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SDG No.: Q2820

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Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2820-16	10P-N	2-Fluorobiphenyl	100	46.8	47		44	115
		2,4,6-Tribromophenol	150	81.5	54		39	132
		Terphenyl-d14	100	45.2	45	*	54	127
Q2820-17	88H-E	2-Fluorophenol	150	106	71		35	115
		Phenol-d6	150	106	70		34	127
		Nitrobenzene-d5	100	66.0	66		37	122
Q2820-17MS	88H-EMS	2-Fluorobiphenyl	100	61.5	62		44	115
		2,4,6-Tribromophenol	150	111	74		39	132
		Terphenyl-d14	100	58.5	58		54	127
Q2820-17MSD	88H-EMSD	2-Fluorophenol	150	84.6	56		35	115
		Phenol-d6	150	85.7	57		34	127
		Nitrobenzene-d5	100	51.9	52		37	122
Q2820-18	88H-N	2-Fluorobiphenyl	100	49.8	50		44	115
		2,4,6-Tribromophenol	150	84.8	57		39	132
		Terphenyl-d14	100	45.7	46	*	54	127
Q2820-19	88H-W	2-Fluorophenol	150	88.1	59		35	115
		Phenol-d6	150	89.6	60		34	127
		Nitrobenzene-d5	100	54.5	55		37	122
Q2820-19RE	88H-WRE	2-Fluorobiphenyl	100	50.8	51		44	115
		2,4,6-Tribromophenol	150	89.7	60		39	132
		Terphenyl-d14	100	48.8	49	*	54	127
Q2820-20	88H-S	2-Fluorophenol	150	81.1	54		35	115
		Phenol-d6	150	82.1	55		34	127
		Nitrobenzene-d5	100	51.9	52		37	122
Q2820-20RE	88H-SRE	2-Fluorobiphenyl	100	48.5	48		44	115
		2,4,6-Tribromophenol	150	87.7	58		39	132
		Terphenyl-d14	100	47.8	48	*	54	127
Q2820-20RE	88H-SRE	2-Fluorophenol	150	74.2	49		35	115
		Phenol-d6	150	75.7	50		34	127
		Nitrobenzene-d5	100	47.5	48		37	122
Q2820-20RE	88H-SRE	2-Fluorobiphenyl	100	41.2	41	*	44	115
		2,4,6-Tribromophenol	150	73.9	49		39	132
		Terphenyl-d14	100	41.2	41	*	54	127
Q2820-20RE	88H-SRE	2-Fluorophenol	150	76.4	51		35	115
		Phenol-d6	150	75.2	50		34	127
		Nitrobenzene-d5	100	46.9	47		37	122
Q2820-20RE	88H-SRE	2-Fluorobiphenyl	100	41.3	41	*	44	115
		2,4,6-Tribromophenol	150	74.0	49		39	132
		Terphenyl-d14	100	41.9	42	*	54	127
Q2820-20RE	88H-SRE	2-Fluorophenol	150	55.6	37		35	115
		Phenol-d6	150	55.5	37		34	127
		Nitrobenzene-d5	100	34.0	34	*	37	122
Q2820-20RE	88H-SRE	2-Fluorobiphenyl	100	30.7	31	*	44	115
		2,4,6-Tribromophenol	150	55.1	37	*	39	132
		Terphenyl-d14	100	29.9	30	*	54	127
Q2820-20RE	88H-SRE	2-Fluorophenol	150	56.2	37		35	115
		Phenol-d6	150	56.1	37		34	127
		Nitrobenzene-d5	100	34.4	34	*	37	122
Q2820-20RE	88H-SRE	2-Fluorobiphenyl	100	29.8	30	*	44	115
		2,4,6-Tribromophenol	150	57.6	38	*	39	132
		Terphenyl-d14	100	30.4	30	*	54	127

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SDG No.: Q2820

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2820-21	22M-N	2-Fluorophenol	150	70.5	47		35	115
		Phenol-d6	150	70.7	47		34	127
		Nitrobenzene-d5	100	43.4	43		37	122
		2-Fluorobiphenyl	100	40.0	40	*	44	115
		2,4,6-Tribromophenol	150	71.3	48		39	132
		Terphenyl-d14	100	38.7	39	*	54	127
Q2820-21RE	22M-NRE	2-Fluorophenol	150	69.0	46		35	115
		Phenol-d6	150	70.8	47		34	127
		Nitrobenzene-d5	100	43.4	43		37	122
		2-Fluorobiphenyl	100	40.4	40	*	44	115
		2,4,6-Tribromophenol	150	71.3	48		39	132
		Terphenyl-d14	100	41.2	41	*	54	127
Q2820-22	22M-W	2-Fluorophenol	150	75.3	50		35	115
		Phenol-d6	150	74.0	49		34	127
		Nitrobenzene-d5	100	48.4	48		37	122
		2-Fluorobiphenyl	100	41.7	42	*	44	115
		2,4,6-Tribromophenol	150	76.8	51		39	132
		Terphenyl-d14	100	37.9	38	*	54	127
Q2820-22RE	22M-WRE	2-Fluorophenol	150	76.0	51		35	115
		Phenol-d6	150	78.0	52		34	127
		Nitrobenzene-d5	100	47.9	48		37	122
		2-Fluorobiphenyl	100	41.2	41	*	44	115
		2,4,6-Tribromophenol	150	73.5	49		39	132
		Terphenyl-d14	100	39.8	40	*	54	127

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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
Q2819-03MS	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
Q2820-23	22M-E	2-Fluorophenol	150	80.7	54		35	115
		Phenol-d6	150	77.1	51		34	127
		Nitrobenzene-d5	100	54.0	54		37	122
		2-Fluorobiphenyl	100	45.6	46		44	115
		2,4,6-Tribromophenol	150	77.9	52		39	132
		Terphenyl-d14	100	37.8	38	*	54	127
Q2820-24	22M-S	2-Fluorophenol	150	62.6	42		35	115
		Phenol-d6	150	67.2	45		34	127
		Nitrobenzene-d5	100	56.6	57		37	122
		2-Fluorobiphenyl	100	52.5	52		44	115
		2,4,6-Tribromophenol	150	58.6	39		39	132
		Terphenyl-d14	100	37.8	38	*	54	127