

Surrogate Summary

SW-846

SDG No.: **Q2815**

Client: **First Environment, Inc.**

Analytical Method: **8270E**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169230BL	PB169230BL	2-Fluorophenol	150	124	83		19	119
		Phenol-d6	150	118	79		10	130
		Nitrobenzene-d5	100	77.2	77		44	120
		2-Fluorobiphenyl	100	77.3	77		44	119
		2,4,6-Tribromophenol	150	128	85		43	140
		Terphenyl-d14	100	74.2	74		50	134
PB169230BS	PB169230BS	2-Fluorophenol	150	113	75		19	119
		Phenol-d6	150	110	74		10	130
		Nitrobenzene-d5	100	69.6	70		44	120
		2-Fluorobiphenyl	100	68.6	69		44	119
		2,4,6-Tribromophenol	150	111	74		43	140
		Terphenyl-d14	100	65.8	66		50	134
PB169230BSD	PB169230BSD	2-Fluorophenol	150	124	83		19	119
		Phenol-d6	150	123	82		10	130
		Nitrobenzene-d5	100	77.4	77		44	120
		2-Fluorobiphenyl	100	76.8	77		44	119
		2,4,6-Tribromophenol	150	125	83		43	140
		Terphenyl-d14	100	77.3	77		50	134
Q2815-01	TW-705R-S	2-Fluorophenol	150	11.2	7	*	19	119
		Phenol-d6	150	14.1	9	*	10	130
		Nitrobenzene-d5	100	23.4	23	*	44	120
		2-Fluorobiphenyl	100	24.6	25	*	44	119
		2,4,6-Tribromophenol	150	16.7	11	*	43	140
		Terphenyl-d14	100	22.5	22	*	50	134
Q2815-02	TW-10PC-W	2-Fluorophenol	150	85.2	57		19	119
		Phenol-d6	150	63.6	42		10	130
		Nitrobenzene-d5	100	103	103		44	120
		2-Fluorobiphenyl	100	91.6	92		44	119
		2,4,6-Tribromophenol	150	161	107		43	140
		Terphenyl-d14	100	93.9	94		50	134
Q2815-03	TW-10P-E	2-Fluorophenol	150	95.0	63		19	119
		Phenol-d6	150	78.8	53		10	130
		Nitrobenzene-d5	100	93.2	93		44	120
		2-Fluorobiphenyl	100	82.9	83		44	119
		2,4,6-Tribromophenol	150	150	100		43	140
		Terphenyl-d14	100	72.0	72		50	134
Q2815-04	TW-10P-S	2-Fluorophenol	150	103	69		19	119
		Phenol-d6	150	83.3	56		10	130
		Nitrobenzene-d5	100	110	110		44	120
		2-Fluorobiphenyl	100	97.1	97		44	119
		2,4,6-Tribromophenol	150	182	122		43	140
		Terphenyl-d14	100	105	105		50	134
Q2815-05	TW-10P-W	2-Fluorophenol	150	117	78		19	119
		Phenol-d6	150	100	67		10	130
		Nitrobenzene-d5	100	113	113		44	120
		2-Fluorobiphenyl	100	97.6	98		44	119
		2,4,6-Tribromophenol	150	185	123		43	140
		Terphenyl-d14	100	96.3	96		50	134
Q2815-06	TW-10P-N	2-Fluorophenol	150	97.0	65		19	119
		Phenol-d6	150	75.4	50		10	130
		Nitrobenzene-d5	100	120	120		44	120

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							Low	High
Q2815-06	TW-10P-N	2-Fluorobiphenyl	100	103	103		44	119
		2,4,6-Tribromophenol	150	131	88		43	140
		Terphenyl-d14	100	104	104		50	134
Q2815-07	TW-88H-E	2-Fluorophenol	150	83.8	56		19	119
		Phenol-d6	150	74.0	49		10	130
		Nitrobenzene-d5	100	73.8	74		44	120
		2-Fluorobiphenyl	100	68.8	69		44	119
		2,4,6-Tribromophenol	150	114	76		43	140
Q2815-08	TW-88H-N	Terphenyl-d14	100	63.6	64		50	134
		2-Fluorophenol	150	91.0	61		19	119
		Phenol-d6	150	77.9	52		10	130
		Nitrobenzene-d5	100	84.4	84		44	120
		2-Fluorobiphenyl	100	79.0	79		44	119
Q2815-09	TW-88H-W	2,4,6-Tribromophenol	150	123	82		43	140
		Terphenyl-d14	100	87.9	88		50	134
		2-Fluorophenol	150	97.6	65		19	119
		Phenol-d6	150	74.3	50		10	130
		Nitrobenzene-d5	100	108	108		44	120
Q2815-10	TW-88H-S	2-Fluorobiphenyl	100	99.3	99		44	119
		2,4,6-Tribromophenol	150	173	116		43	140
		Terphenyl-d14	100	88.8	89		50	134
		2-Fluorophenol	150	77.4	52		19	119
		Phenol-d6	150	57.2	38		10	130
Q2815-11	TW-22M-W	Nitrobenzene-d5	100	77.7	78		44	120
		2-Fluorobiphenyl	100	67.8	68		44	119
		2,4,6-Tribromophenol	150	120	80		43	140
		Terphenyl-d14	100	78.0	78		50	134
		2-Fluorophenol	150	67.0	45		19	119
Q2815-12	TW-22M-S	Phenol-d6	150	59.8	40		10	130
		Nitrobenzene-d5	100	72.8	73		44	120
		2-Fluorobiphenyl	100	68.4	68		44	119
		2,4,6-Tribromophenol	150	67.4	45		43	140
		Terphenyl-d14	100	69.4	69		50	134
Q2815-13	TW-22M-E	2-Fluorophenol	150	67.2	45		19	119
		Phenol-d6	150	60.1	40		10	130
		Nitrobenzene-d5	100	62.8	63		44	120
		2-Fluorobiphenyl	100	64.8	65		44	119
		2,4,6-Tribromophenol	150	88.4	59		43	140
Q2815-14	TW-22M-N	Terphenyl-d14	100	53.3	53		50	134
		2-Fluorophenol	150	17.9	12	*	19	119
		Phenol-d6	150	6.42	4	*	10	130
		Nitrobenzene-d5	100	26.3	26	*	44	120
		2-Fluorobiphenyl	100	27.1	27	*	44	119
Q2815-14	TW-22M-N	2,4,6-Tribromophenol	150	21.1	14	*	43	140
		Terphenyl-d14	100	30.2	30	*	50	134
		2-Fluorophenol	150	71.3	48		19	119
		Phenol-d6	150	60.6	40		10	130
		Nitrobenzene-d5	100	52.8	53		44	120
Q2815-14	TW-22M-N	2-Fluorobiphenyl	100	50.9	51		44	119
		2,4,6-Tribromophenol	150	90.4	60		43	140
		Terphenyl-d14	100	48.6	49	*	50	134

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SDG No.: Q2815

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Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2815-15	TW-17M-E	2-Fluorophenol	150	76.5	51		19	119
		Phenol-d6	150	65.8	44		10	130
		Nitrobenzene-d5	100	71.4	71		44	120
		2-Fluorobiphenyl	100	69.4	69		44	119
		2,4,6-Tribromophenol	150	93.7	62		43	140
		Terphenyl-d14	100	58.5	59		50	134

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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
PB169244BL	PB169244BL	2-Fluorophenol	150	129	86		19	119
		Phenol-d6	150	124	83		10	130
		Nitrobenzene-d5	100	77.8	78		44	120
		2-Fluorobiphenyl	100	75.3	75		44	119
		2,4,6-Tribromophenol	150	131	88		43	140
		Terphenyl-d14	100	76.5	76		50	134
PB169244BS	PB169244BS	2-Fluorophenol	150	138	92		19	119
		Phenol-d6	150	136	90		10	130
		Nitrobenzene-d5	100	82.4	82		44	120
		2-Fluorobiphenyl	100	81.1	81		44	119
		2,4,6-Tribromophenol	150	138	92		43	140
		Terphenyl-d14	100	81.9	82		50	134
PB169244BSD	PB169244BSD	2-Fluorophenol	150	141	94		19	119
		Phenol-d6	150	141	94		10	130
		Nitrobenzene-d5	100	84.6	85		44	120
		2-Fluorobiphenyl	100	79.2	79		44	119
		2,4,6-Tribromophenol	150	144	96		43	140
		Terphenyl-d14	100	84.2	84		50	134
Q2815-16	TW-17M-S	2-Fluorophenol	150	87.1	58		19	119
		Phenol-d6	150	71.4	48		10	130
		Nitrobenzene-d5	100	73.1	73		44	120
		2-Fluorobiphenyl	100	65.9	66		44	119
		2,4,6-Tribromophenol	150	124	83		43	140
		Terphenyl-d14	100	68.3	68		50	134
Q2815-17	TW-84SB-S	2-Fluorophenol	150	112	74		19	119
		Phenol-d6	150	92.9	62		10	130
		Nitrobenzene-d5	100	102	102		44	120
		2-Fluorobiphenyl	100	95.7	96		44	119
		2,4,6-Tribromophenol	150	190	127		43	140
		Terphenyl-d14	100	98.1	98		50	134
Q2815-18	TW-84SB-W	2-Fluorophenol	150	101	68		19	119
		Phenol-d6	150	75.3	50		10	130
		Nitrobenzene-d5	100	101	101		44	120
		2-Fluorobiphenyl	100	90.7	91		44	119
		2,4,6-Tribromophenol	150	176	117		43	140
		Terphenyl-d14	100	87.7	88		50	134
Q2815-19	DUP	2-Fluorophenol	150	90.4	60		19	119
		Phenol-d6	150	68.4	46		10	130
		Nitrobenzene-d5	100	83.5	84		44	120
		2-Fluorobiphenyl	100	77.4	77		44	119
		2,4,6-Tribromophenol	150	142	95		43	140
		Terphenyl-d14	100	78.8	79		50	134
Q2815-20	TW-11M-W	2-Fluorophenol	150	94.6	63		19	119
		Phenol-d6	150	68.0	45		10	130
		Nitrobenzene-d5	100	99.1	99		44	120
		2-Fluorobiphenyl	100	88.6	89		44	119
		2,4,6-Tribromophenol	150	171	114		43	140
		Terphenyl-d14	100	92.0	92		50	134
Q2815-21	TW-11M-E	2-Fluorophenol	150	91.5	61		19	119
		Phenol-d6	150	66.4	44		10	130
		Nitrobenzene-d5	100	94.5	95		44	120

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SDG No.: Q2815

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Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2815-21	TW-11M-E	2-Fluorobiphenyl	100	86.5	87		44	119
		2,4,6-Tribromophenol	150	159	106		43	140
		Terphenyl-d14	100	89.3	89		50	134
Q2815-22	TW-11M-S	2-Fluorophenol	150	95.9	64		19	119
		Phenol-d6	150	74.0	49		10	130
		Nitrobenzene-d5	100	93.6	94		44	120
		2-Fluorobiphenyl	100	88.9	89		44	119
		2,4,6-Tribromophenol	150	158	106		43	140
		Terphenyl-d14	100	87.0	87		50	134
Q2815-23	TW-11M-N	2-Fluorophenol	150	85.8	57		19	119
		Phenol-d6	150	60.9	41		10	130
		Nitrobenzene-d5	100	95.8	96		44	120
		2-Fluorobiphenyl	100	87.6	88		44	119
		2,4,6-Tribromophenol	150	159	106		43	140
		Terphenyl-d14	100	90.8	91		50	134
Q2815-26	FB	2-Fluorophenol	150	69.1	46		19	119
		Phenol-d6	150	42.2	28		10	130
		Nitrobenzene-d5	100	87.9	88		44	120
		2-Fluorobiphenyl	100	80.0	80		44	119
		2,4,6-Tribromophenol	150	140	93		43	140
		Terphenyl-d14	100	80.6	81		50	134