

Surrogate Summary

SW-846

SDG No.: P3671

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P3671-01	S-904-J-SO-0-0.5-081924	2-Fluorophenol	150	67.8	45		30 (18)	130 (112)
		Phenol-d6	150	68.6	46		30 (15)	130 (107)
		Nitrobenzene-d5	100	48.8	49		30 (18)	130 (107)
		2-Fluorobiphenyl	100	32.5	32		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	83.5	56		30 (10)	130 (116)
		Terphenyl-d14	100	31.3	31		30 (10)	130 (105)
P3671-01DL	S-904-J-SO-0-0.5-081924DL	2-Fluorophenol	150	73.3	49		30 (18)	130 (112)
		Phenol-d6	150	77.7	52		30 (15)	130 (107)
		Nitrobenzene-d5	100	64.4	64		30 (18)	130 (107)
		2-Fluorobiphenyl	100	45.1	45		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	68.7	46		30 (10)	130 (116)
		Terphenyl-d14	100	40.6	41		30 (10)	130 (105)
P3671-02	S-904-J-SO-0.5-1.0-081924	2-Fluorophenol	150	82.1	55		30 (18)	130 (112)
		Phenol-d6	150	84.5	56		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.0	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	40.3	40		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	101	67		30 (10)	130 (116)
		Terphenyl-d14	100	42.2	42		30 (10)	130 (105)
P3671-03	S-911-K1-SO-0-0.5-081924	2-Fluorophenol	150	74.9	50		30 (18)	130 (112)
		Phenol-d6	150	73.3	49		30 (15)	130 (107)
		Nitrobenzene-d5	100	49.2	49		30 (18)	130 (107)
		2-Fluorobiphenyl	100	48.7	49		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	83.8	56		30 (10)	130 (116)
		Terphenyl-d14	100	56.0	56		30 (10)	130 (105)
P3671-04	S-911-K1-SO-0.5-1-081924	2-Fluorophenol	150	73.0	49		30 (18)	130 (112)
		Phenol-d6	150	72.6	48		30 (15)	130 (107)
		Nitrobenzene-d5	100	48.9	49		30 (18)	130 (107)
		2-Fluorobiphenyl	100	46.2	46		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	80.7	54		30 (10)	130 (116)
		Terphenyl-d14	100	49.3	49		30 (10)	130 (105)
P3671-05	S-911-K1-SO-0-0.5-081924-FD	2-Fluorophenol	150	69.5	46		30 (18)	130 (112)
		Phenol-d6	150	69.4	46		30 (15)	130 (107)
		Nitrobenzene-d5	100	52.9	53		30 (18)	130 (107)
		2-Fluorobiphenyl	100	41.2	41		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	79.4	53		30 (10)	130 (116)
		Terphenyl-d14	100	37.7	38		30 (10)	130 (105)
P3671-06	S-905-J-SO-0-0.5-081924	2-Fluorophenol	150	85.1	57		30 (18)	130 (112)
		Phenol-d6	150	82.7	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	61.2	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	42.7	43		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	97.9	65		30 (10)	130 (116)
		Terphenyl-d14	100	39.6	40		30 (10)	130 (105)
P3671-07	S-905-KJ-SO-0-0.5-081924-FD	2-Fluorophenol	150	85.0	57		30 (18)	130 (112)
		Phenol-d6	150	84.0	56		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.8	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	38.1	38		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.8	62		30 (10)	130 (116)
		Terphenyl-d14	100	40.0	40		30 (10)	130 (105)
P3671-08	S-905-J-SO-0.5-1.0-081924	2-Fluorophenol	150	71.6	48		30 (18)	130 (112)
		Phenol-d6	150	69.0	46		30 (15)	130 (107)
		Nitrobenzene-d5	100	45.7	46		30 (18)	130 (107)

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							Low	High
P3671-08	S-905-J-SO-0.5-1.0-081924	2-Fluorobiphenyl	100	40.3	40		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	76.6	51		30 (10)	130 (116)
		Terphenyl-d14	100	44.8	45		30 (10)	130 (105)
P3671-09	S-928-K1-SO-0.5-081924	2-Fluorophenol	150	61.8	41		30 (18)	130 (112)
		Phenol-d6	150	60.0	40		30 (15)	130 (107)
		Nitrobenzene-d5	100	42.1	42		30 (18)	130 (107)
		2-Fluorobiphenyl	100	31.4	31		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	59.6	40		30 (10)	130 (116)
		Terphenyl-d14	100	33.3	33		30 (10)	130 (105)
P3671-10	S-928-K1-SO-0.5-1-081924	2-Fluorophenol	150	88.4	59		30 (18)	130 (112)
		Phenol-d6	150	85.5	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	56.2	56		30 (18)	130 (107)
		2-Fluorobiphenyl	100	49.9	50		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	93.8	63		30 (10)	130 (116)
		Terphenyl-d14	100	50.6	51		30 (10)	130 (105)
P3671-10MS	S-928-K1-SO-0.5-1-081924MS	2-Fluorophenol	150	90.6	60		30 (18)	130 (112)
		Phenol-d6	150	87.3	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	57.4	57		30 (18)	130 (107)
		2-Fluorobiphenyl	100	50.6	51		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.6	62		30 (10)	130 (116)
		Terphenyl-d14	100	56.3	56		30 (10)	130 (105)
P3671-10MSD	S-928-K1-SO-0.5-1-081924MSD	2-Fluorophenol	150	95.8	64		30 (18)	130 (112)
		Phenol-d6	150	92.4	62		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.6	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	54.1	54		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	99.0	66		30 (10)	130 (116)
		Terphenyl-d14	100	60.6	61		30 (10)	130 (105)
P3671-11	S-903-J-SO-0.5-081924	2-Fluorophenol	150	46.5	31		30 (18)	130 (112)
		Phenol-d6	150	46.0	31		30 (15)	130 (107)
		Nitrobenzene-d5	100	30.6	31		30 (18)	130 (107)
		2-Fluorobiphenyl	100	17.6	18	*	30 (20)	130 (109)
		2,4,6-Tribromophenol	150	43.2	29	*	30 (10)	130 (116)
		Terphenyl-d14	100	21.9	22	*	30 (10)	130 (105)
P3671-12	S-903-J-SO-0.5-1.0-081924	2-Fluorophenol	150	97.6	65		30 (18)	130 (112)
		Phenol-d6	150	96.1	64		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.0	91		30 (18)	130 (107)
		2-Fluorobiphenyl	100	71.5	72		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	114	76		30 (10)	130 (116)
		Terphenyl-d14	100	63.1	63		30 (10)	130 (105)
P3671-13	S-912-J-SO-0.5-081924	2-Fluorophenol	150	77.8	52		30 (18)	130 (112)
		Phenol-d6	150	75.0	50		30 (15)	130 (107)
		Nitrobenzene-d5	100	51.4	51		30 (18)	130 (107)
		2-Fluorobiphenyl	100	36.8	37		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	70.5	47		30 (10)	130 (116)
		Terphenyl-d14	100	30.7	31		30 (10)	130 (105)
P3671-14	S-912-J-SO-0.5-1-081924	2-Fluorophenol	150	69.3	46		30 (18)	130 (112)
		Phenol-d6	150	65.3	44		30 (15)	130 (107)
		Nitrobenzene-d5	100	44.9	45		30 (18)	130 (107)
		2-Fluorobiphenyl	100	37.0	37		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	68.7	46		30 (10)	130 (116)
		Terphenyl-d14	100	34.7	35		30 (10)	130 (105)

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Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB162876BL	PB162876BL	2-Fluorophenol	150	120	80		30 (18)	130 (112)
		Phenol-d6	150	111	74		30 (15)	130 (107)
		Nitrobenzene-d5	100	74.6	75		30 (18)	130 (107)
		2-Fluorobiphenyl	100	78.3	78		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	135	90		30 (10)	130 (116)
		Terphenyl-d14	100	92.6	93		30 (10)	130 (105)
PB162876BS	PB162876BS	2-Fluorophenol	150	129	86		30 (18)	130 (112)
		Phenol-d6	150	120	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	80.7	81		30 (18)	130 (107)
		2-Fluorobiphenyl	100	88.8	89		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	142	94		30 (10)	130 (116)
		Terphenyl-d14	100	113	113		30 (10)	130 (105)