284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: P3671

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3671-03	S-911-K1-SO-0-0.5-081924	2-Methylnaphthalene-d10	0.4	0.21	53		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.18	44		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.29	73		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.21	52		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.14	36		30 (21)	130 (130)
P3671-04	S-911-K1-SO-0.5-1-081924	2-Methylnaphthalene-d10	0.4	0.18	45		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.15	37		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.25	62		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.17	43		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.14	36		30 (21)	130 (130)
P3671-05	S-911-K1-SO-0-0.5-081924-FD	2-Methylnaphthalene-d10	0.4	0.41	103		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.39	98		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.47	116		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.37	93		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.36	90		30 (21)	130 (130)
P3671-06	S-905-J-SO-0-0.5-081924	2-Methylnaphthalene-d10	0.4	0.16	40		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.11	28	*	30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.19	47		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.15	38		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.089	22	*	30 (21)	130 (130)
P3671-06DL	S-905-J-SO-0-0.5-081924DL	2-Methylnaphthalene-d10	0.4	0.14	35		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.11	26	*	30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.18	45		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.14	34		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.090	23	*	30 (21)	130 (130)
P3671-07	S-905-J-SO-0-0.5-081924-FD	2-Methylnaphthalene-d10	0.4	0.17	43		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.14	34		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.24	60		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.16	41		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.096	24	*	30 (21)	130 (130)
P3671-07DL	S-905-J-SO-0-0.5-081924-FDDL	2-Methylnaphthalene-d10	0.4	0.16	40		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.12	30		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.25	63		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.15	38		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.11	28	*	30 (21)	130 (130)
P3671-09	S-928-K1-SO-0-0.5-081924	2-Methylnaphthalene-d10	0.4	0.15	37		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.13	32		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.20	49		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.15	37		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.12	31		30 (21)	130 (130)
P3671-10	S-928-K1-SO-0.5-1-081924	2-Methylnaphthalene-d10	0.4	0.24	59		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.19	47		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.34	84		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.24	59		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.17	43		30 (21)	130 (130)
P3671-10MS	S-928-K1-SO-0.5-1-081924MS	2-Methylnaphthalene-d10	0.4	0.35	87		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.19	47		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.31	77		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.22	56		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.16	41		30 (21)	130 (130)
P3671-10MSD	S-928-K1-SO-0.5-1-081924MSD	2-Methylnaphthalene-d10	0.4	0.36	91		30 (17)	150 (161)

( ) = LABORATORY INHOUSE LIMIT

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Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3671-10MSD	S-928-K1-SO-0.5-1-081924MSD	Fluoranthene-d10	0.4	0.20	49		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.33	81		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.23	58		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.17	43		30 (21)	130 (130)
P3671-12	S-903-J-SO-0.5-1.0-081924	2-Methylnaphthalene-d10	0.4	0.17	41		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.16	41		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.19	48		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.15	38		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.12	31		30 (21)	130 (130)
P3671-12DL	S-903-J-SO-0.5-1.0-081924DL	2-Methylnaphthalene-d10	0.4	0.17	43		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.17	43		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.21	52		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.17	43		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.15	38		30 (21)	130 (130)
P3671-13	S-912-J-SO-0-0.5-081924	2-Methylnaphthalene-d10	0.4	0.19	47		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.13	32		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.27	68		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.17	43		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.097	24	*	30 (21)	130 (130)
P3671-14	S-912-J-SO-0.5-1-081924	2-Methylnaphthalene-d10	0.4	0.13	32		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.095	24	*	30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.17	41		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.13	33		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.081	20	*	30 (21)	130 (130)
PB162880BL	PB162880BL	2-Methylnaphthalene-d10	0.4	0.36	90		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.40	100		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.38	96		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.40	100		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.37	91		30 (21)	130 (130)
PB162880BS	PB162880BS	2-Methylnaphthalene-d10	0.4	0.37	93		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.36	89		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.36	90		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.39	97		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.32	80		30 (21)	130 (130)

( ) = LABORATORY INHOUSE LIMIT