

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3323

Analytical Method: SW8270E

Client: Langan Engineering and Environmental

DataFile: BF143936.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3323-04MSD		Client Sample ID: SED-04-0-2MSD									
Benzaldehyde	2400	0	1600	ug/Kg	67		14		10	171	20
Phenol	2400	0	2400	ug/Kg	100		8		51	122	20
bis(2-Chloroethyl)ether	2400	0	2400	ug/Kg	100		4		54	125	20
2-Chlorophenol	2400	0	2400	ug/Kg	100		4		51	121	20
2-Methylphenol	2400	0	2400	ug/Kg	100		4		47	125	20
2,2-oxybis(1-Chloropropane)	2400	0	2500	ug/Kg	104		8		46	119	20
Acetophenone	2400	0	2600	ug/Kg	108		8		55	128	20
3+4-Methylphenols	2400	0	2300	ug/Kg	96		4		49	125	20
N-Nitroso-di-n-propylamine	2400	0	2200	ug/Kg	92		4		59	119	20
Hexachloroethane	2400	0	2400	ug/Kg	100		4		51	116	20
Nitrobenzene	2400	0	2500	ug/Kg	104		8		47	124	20
Isophorone	2400	0	2300	ug/Kg	96		4		49	127	20
2-Nitrophenol	2400	0	2800	ug/Kg	117		8		43	131	20
2,4-Dimethylphenol	2400	0	2600	ug/Kg	108		4		63	151	20
bis(2-Chloroethoxy)methane	2400	0	2400	ug/Kg	100		8		51	119	20
2,4-Dichlorophenol	2400	0	2300	ug/Kg	96		4		50	122	20
Naphthalene	2400	0	2300	ug/Kg	96		4		51	121	20
4-Chloroaniline	2400	0	1100	ug/Kg	46		0		10	100	20
Hexachlorobutadiene	2400	0	2300	ug/Kg	96		4		44	126	20
Caprolactam	2400	0	2400	ug/Kg	100		4		51	134	20
4-Chloro-3-methylphenol	2400	0	2300	ug/Kg	96		4		57	132	20
2-Methylnaphthalene	2400	0	2100	ug/Kg	88		11		59	123	20
Hexachlorocyclopentadiene	4700	0	5300	ug/Kg	113		2		10	175	20
2,4,6-Trichlorophenol	2400	0	2300	ug/Kg	96		4		33	141	20
2,4,5-Trichlorophenol	2400	0	2300	ug/Kg	96		0		38	135	20
1,1-Biphenyl	2400	0	2500	ug/Kg	104		0		55	131	20
2-Chloronaphthalene	2400	0	2300	ug/Kg	96		4		48	124	20
2-Nitroaniline	2400	0	2500	ug/Kg	104		0		47	134	20
Dimethylphthalate	2400	0	2300	ug/Kg	96		4		54	120	20
Acenaphthylene	2400	0	2600	ug/Kg	108		4		57	125	20
2,6-Dinitrotoluene	2400	0	2800	ug/Kg	117		3		48	127	20
3-Nitroaniline	2400	0	1600	ug/Kg	67		0		10	112	20
Acenaphthene	2400	0	2400	ug/Kg	100		4		70	121	20
2,4-Dinitrophenol	4700	0	4000	ug/Kg	85		2		10	155	20
4-Nitrophenol	4700	0	4400	ug/Kg	94		3		10	175	20
Dibenzofuran	2400	0	2200	ug/Kg	92		0		52	114	20
2,4-Dinitrotoluene	2400	0	2600	ug/Kg	108		4		41	140	20
Diethylphthalate	2400	0	2200	ug/Kg	92		0		51	119	20
4-Chlorophenyl-phenylether	2400	0	2200	ug/Kg	92		4		48	122	20
Fluorene	2400	0	2200	ug/Kg	92		4		53	118	20
4-Nitroaniline	2400	0	2200	ug/Kg	92		0		29	140	20
4,6-Dinitro-2-methylphenol	2400	0	2800	ug/Kg	117		8		10	160	20
N-Nitrosodiphenylamine	2400	0	2500	ug/Kg	104		4		73	118	20
4-Bromophenyl-phenylether	2400	0	2400	ug/Kg	100		4		65	121	20
Hexachlorobenzene	2400	0	2300	ug/Kg	96		4		67	118	20
Atrazine	2400	0	2500	ug/Kg	104		4		45	175	20

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Pentachlorophenol	4700	0	4300	ug/Kg	91	0			13	153	20
Phenanthrene	2400	0	2400	ug/Kg	100	8			52	128	20
Anthracene	2400	0	2300	ug/Kg	96	4			62	124	20
Carbazole	2400	0	2300	ug/Kg	96	4			59	119	20
Di-n-butylphthalate	2400	0	2400	ug/Kg	100	4			55	125	20
Fluoranthene	2400	110	2200	ug/Kg	87	5			44	125	20
Pyrene	2400	110	2000	ug/Kg	79	0			37	122	20
Butylbenzylphthalate	2400	0	2400	ug/Kg	100	4			44	135	20
3,3-Dichlorobenzidine	2400	0	1800	ug/Kg	75	5			15	112	20
Benzo(a)anthracene	2400	100	2500	ug/Kg	100	0			53	119	20
Chrysene	2400	0	2400	ug/Kg	100	4			57	121	20
bis(2-Ethylhexyl)phthalate	2400	0	2700	ug/Kg	113	5			42	169	20
Di-n-octyl phthalate	2400	0	3200	ug/Kg	133	3			51	156	20
Benzo(b)fluoranthene	2400	0	2200	ug/Kg	92	4			52	117	20
Benzo(k)fluoranthene	2400	0	2400	ug/Kg	100	8			57	134	20
Benzo(a)pyrene	2400	0	2600	ug/Kg	108	8			70	142	20
Indeno(1,2,3-cd)pyrene	2400	0	2500	ug/Kg	104	4			40	129	20
Dibenz(a,h)anthracene	2400	0	2500	ug/Kg	104	4			43	123	20
Benzo(g,h,i)perylene	2400	0	2500	ug/Kg	104	4			24	125	20
1,2,4,5-Tetrachlorobenzene	2400	0	2500	ug/Kg	104	4			52	134	20
1,4-Dioxane	2400	0	2400	ug/Kg	100	8			46	112	20
2,3,4,6-Tetrachlorophenol	2400	0	2300	ug/Kg	96	4			24	146	20