

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3310

Analytical Method: SW8270E

Client: Langan Engineering and Environmental

DataFile: BF143928.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3310-01MS	Client Sample ID:	SS-01-0-1MS								
Benzaldehyde	2500	0	1600	ug/Kg	64				10	171	
Phenol	2500	0	2500	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	2500	0	2400	ug/Kg	96				54	125	
2-Chlorophenol	2500	0	2400	ug/Kg	96				51	121	
2-Methylphenol	2500	0	2400	ug/Kg	96				47	125	
2,2-oxybis(1-Chloropropane)	2500	0	2400	ug/Kg	96				46	119	
Acetophenone	2500	0	2600	ug/Kg	104				55	128	
3+4-Methylphenols	2500	0	2300	ug/Kg	92				49	125	
N-Nitroso-di-n-propylamine	2500	0	2300	ug/Kg	92				59	119	
Hexachloroethane	2500	0	2300	ug/Kg	92				51	116	
Nitrobenzene	2500	0	2600	ug/Kg	104				47	124	
Isophorone	2500	0	2400	ug/Kg	96				49	127	
2-Nitrophenol	2500	0	2700	ug/Kg	108				43	131	
2,4-Dimethylphenol	2500	0	2700	ug/Kg	108				63	151	
bis(2-Chloroethoxy)methane	2500	0	2500	ug/Kg	100				51	119	
2,4-Dichlorophenol	2500	0	2400	ug/Kg	96				50	122	
Naphthalene	2500	180	2500	ug/Kg	93				51	121	
4-Chloroaniline	2500	0	870	ug/Kg	35				10	100	
Hexachlorobutadiene	2500	0	2300	ug/Kg	92				44	126	
Caprolactam	2500	0	2500	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	2500	0	2300	ug/Kg	92				57	132	
2-Methylnaphthalene	2500	0	2200	ug/Kg	88				59	123	
Hexachlorocyclopentadiene	5100	0	2700	ug/Kg	53				10	175	
2,4,6-Trichlorophenol	2500	0	2500	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	2500	0	2400	ug/Kg	96				38	135	
1,1-Biphenyl	2500	0	2800	ug/Kg	112				55	131	
2-Chloronaphthalene	2500	0	2500	ug/Kg	100				48	124	
2-Nitroaniline	2500	0	2800	ug/Kg	112				47	134	
Dimethylphthalate	2500	0	2600	ug/Kg	104				54	120	
Acenaphthylene	2500	0	2800	ug/Kg	112				57	125	
2,6-Dinitrotoluene	2500	0	2900	ug/Kg	116				48	127	
3-Nitroaniline	2500	0	1800	ug/Kg	72				10	112	
Acenaphthene	2500	220	2400	ug/Kg	87				70	121	
2,4-Dinitrophenol	5100	0	1100	ug/Kg	22				10	155	
4-Nitrophenol	5100	0	4500	ug/Kg	88				10	175	
Dibenzofuran	2500	150	2500	ug/Kg	94				52	114	
2,4-Dinitrotoluene	2500	0	2700	ug/Kg	108				41	140	
Diethylphthalate	2500	0	2500	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	2500	0	2300	ug/Kg	92				48	122	
Fluorene	2500	160	2400	ug/Kg	90				53	118	
4-Nitroaniline	2500	0	2100	ug/Kg	84				29	140	
4,6-Dinitro-2-methylphenol	2500	0	700	ug/Kg	28				10	160	
N-Nitrosodiphenylamine	2500	0	2700	ug/Kg	108				73	118	
4-Bromophenyl-phenylether	2500	0	2600	ug/Kg	104				65	121	
Hexachlorobenzene	2500	0	2400	ug/Kg	96				67	118	
Atrazine	2500	0	2700	ug/Kg	108				45	175	

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Pentachlorophenol	5100	0	4900	ug/Kg	96				13	153	
Phenanthrene	2500	1800	3800	ug/Kg	80				52	128	
Anthracene	2500	470	2800	ug/Kg	93				62	124	
Carbazole	2500	310	2800	ug/Kg	100				59	119	
Di-n-butylphthalate	2500	0	2700	ug/Kg	108				55	125	
Fluoranthene	2500	2200	4400	ug/Kg	88				44	125	
Pyrene	2500	1300	3100	ug/Kg	72				37	122	
Butylbenzylphthalate	2500	0	2700	ug/Kg	108				44	135	
3,3-Dichlorobenzidine	2500	0	2400	ug/Kg	96				15	112	
Benzo(a)anthracene	2500	1000	3500	ug/Kg	100				53	119	
Chrysene	2500	850	3300	ug/Kg	98				57	121	
bis(2-Ethylhexyl)phthalate	2500	0	3000	ug/Kg	120				42	169	
Di-n-octyl phthalate	2500	0	3300	ug/Kg	132				51	156	
Benzo(b)fluoranthene	2500	1200	4000	ug/Kg	112				52	117	
Benzo(k)fluoranthene	2500	380	2800	ug/Kg	97				57	134	
Benzo(a)pyrene	2500	800	3400	ug/Kg	104				70	142	
Indeno(1,2,3-cd)pyrene	2500	310	2200	ug/Kg	76				40	129	
Dibenz(a,h)anthracene	2500	0	2000	ug/Kg	80				43	123	
Benzo(g,h,i)perylene	2500	360	2200	ug/Kg	74				24	125	
1,2,4,5-Tetrachlorobenzene	2500	0	2900	ug/Kg	116				52	134	
1,4-Dioxane	2500	0	2200	ug/Kg	88				46	112	
2,3,4,6-Tetrachlorophenol	2500	0	2400	ug/Kg	96				24	146	