

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3310

Analytical Method: SW8270E

Client: Langan Engineering and Environmental

DataFile: BF143929.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3310-01MSD	Client Sample ID:	SS-01-0-1MSD								
Benzaldehyde	2500	0	1500	ug/Kg	60		6		10	171	20
Phenol	2500	0	2400	ug/Kg	96		4		51	122	20
bis(2-Chloroethyl)ether	2500	0	2300	ug/Kg	92		4		54	125	20
2-Chlorophenol	2500	0	2300	ug/Kg	92		4		51	121	20
2-Methylphenol	2500	0	2300	ug/Kg	92		4		47	125	20
2,2-oxybis(1-Chloropropane)	2500	0	2400	ug/Kg	96		0		46	119	20
Acetophenone	2500	0	2500	ug/Kg	100		4		55	128	20
3+4-Methylphenols	2500	0	2200	ug/Kg	88		4		49	125	20
N-Nitroso-di-n-propylamine	2500	0	2200	ug/Kg	88		4		59	119	20
Hexachloroethane	2500	0	2200	ug/Kg	88		4		51	116	20
Nitrobenzene	2500	0	2500	ug/Kg	100		4		47	124	20
Isophorone	2500	0	2400	ug/Kg	96		0		49	127	20
2-Nitrophenol	2500	0	2600	ug/Kg	104		4		43	131	20
2,4-Dimethylphenol	2500	0	2600	ug/Kg	104		4		63	151	20
bis(2-Chloroethoxy)methane	2500	0	2300	ug/Kg	92		8		51	119	20
2,4-Dichlorophenol	2500	0	2300	ug/Kg	92		4		50	122	20
Naphthalene	2500	180	2400	ug/Kg	89		4		51	121	20
4-Chloroaniline	2500	0	900	ug/Kg	36		3		10	100	20
Hexachlorobutadiene	2500	0	2300	ug/Kg	92		0		44	126	20
Caprolactam	2500	0	2300	ug/Kg	92		8		51	134	20
4-Chloro-3-methylphenol	2500	0	2200	ug/Kg	88		4		57	132	20
2-Methylnaphthalene	2500	0	2100	ug/Kg	84		5		59	123	20
Hexachlorocyclopentadiene	5100	0	2200	ug/Kg	43		21	*	10	175	20
2,4,6-Trichlorophenol	2500	0	2400	ug/Kg	96		4		33	141	20
2,4,5-Trichlorophenol	2500	0	2300	ug/Kg	92		4		38	135	20
1,1-Biphenyl	2500	0	2800	ug/Kg	112		0		55	131	20
2-Chloronaphthalene	2500	0	2400	ug/Kg	96		4		48	124	20
2-Nitroaniline	2500	0	2800	ug/Kg	112		0		47	134	20
Dimethylphthalate	2500	0	2500	ug/Kg	100		4		54	120	20
Acenaphthylene	2500	0	2700	ug/Kg	108		4		57	125	20
2,6-Dinitrotoluene	2500	0	2800	ug/Kg	112		4		48	127	20
3-Nitroaniline	2500	0	1900	ug/Kg	76		5		10	112	20
Acenaphthene	2500	220	2300	ug/Kg	83		5		70	121	20
2,4-Dinitrophenol	5100	0	720	ug/Kg	14		44	*	10	155	20
4-Nitrophenol	5100	0	4200	ug/Kg	82		7		10	175	20
Dibenzofuran	2500	150	2400	ug/Kg	90		4		52	114	20
2,4-Dinitrotoluene	2500	0	2600	ug/Kg	104		4		41	140	20
Diethylphthalate	2500	0	2400	ug/Kg	96		4		51	119	20
4-Chlorophenyl-phenylether	2500	0	2300	ug/Kg	92		0		48	122	20
Fluorene	2500	160	2300	ug/Kg	86		5		53	118	20
4-Nitroaniline	2500	0	2000	ug/Kg	80		5		29	140	20
4,6-Dinitro-2-methylphenol	2500	0	420	ug/Kg	17		49	*	10	160	20
N-Nitrosodiphenylamine	2500	0	2800	ug/Kg	112		4		73	118	20
4-Bromophenyl-phenylether	2500	0	2600	ug/Kg	104		0		65	121	20
Hexachlorobenzene	2500	0	2400	ug/Kg	96		0		67	118	20
Atrazine	2500	0	2600	ug/Kg	104		4		45	175	20

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Pentachlorophenol	5100	0	4700	ug/Kg	92		4		13	153	20
Phenanthrene	2500	1800	3900	ug/Kg	84		5		52	128	20
Anthracene	2500	470	2800	ug/Kg	93		0		62	124	20
Carbazole	2500	310	2800	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	2500	0	2700	ug/Kg	108		0		55	125	20
Fluoranthene	2500	2200	4400	ug/Kg	88		0		44	125	20
Pyrene	2500	1300	3000	ug/Kg	68		6		37	122	20
Butylbenzylphthalate	2500	0	2600	ug/Kg	104		4		44	135	20
3,3-Dichlorobenzidine	2500	0	2400	ug/Kg	96		0		15	112	20
Benzo(a)anthracene	2500	1000	3400	ug/Kg	96		4		53	119	20
Chrysene	2500	850	3200	ug/Kg	94		4		57	121	20
bis(2-Ethylhexyl)phthalate	2500	0	2900	ug/Kg	116		3		42	169	20
Di-n-octyl phthalate	2500	0	3200	ug/Kg	128		3		51	156	20
Benzo(b)fluoranthene	2500	1200	3500	ug/Kg	92		20		52	117	20
Benzo(k)fluoranthene	2500	380	2700	ug/Kg	93		4		57	134	20
Benzo(a)pyrene	2500	800	3300	ug/Kg	100		4		70	142	20
Indeno(1,2,3-cd)pyrene	2500	310	2200	ug/Kg	76		0		40	129	20
Dibenz(a,h)anthracene	2500	0	1900	ug/Kg	76		5		43	123	20
Benzo(g,h,i)perylene	2500	360	2200	ug/Kg	74		0		24	125	20
1,2,4,5-Tetrachlorobenzene	2500	0	2800	ug/Kg	112		4		52	134	20
1,4-Dioxane	2500	0	2200	ug/Kg	88		0		46	112	20
2,3,4,6-Tetrachlorophenol	2500	0	2200	ug/Kg	88		9		24	146	20