

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4779

Client: CHA Companies, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4788-01MSD	Client Sample ID:	BP-G3MSD					DataFile:	BF140374.D		
Benzaldehyde	1100	0	200	ug/Kg	18		5		10	86	20
Phenol	1100	0	1100	ug/Kg	100		0		67	126	20
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		9		54	125	20
2-Chlorophenol	1100	0	1200	ug/Kg	109	*	0		79	107	20
2-Methylphenol	1100	0	1100	ug/Kg	100		0		66	122	20
2,2-oxybis(1-Chloropropane)	1100	0	1100	ug/Kg	100		0		65	110	20
Acetophenone	1100	0	1100	ug/Kg	100		9		75	111	20
3+4-Methylphenols	1100	0	1100	ug/Kg	100		0		66	104	20
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		0		59	119	20
Hexachloroethane	1100	0	1100	ug/Kg	100		0		65	117	20
Nitrobenzene	1100	0	1100	ug/Kg	100		0		70	119	20
Isophorone	1100	0	1100	ug/Kg	100		0		76	122	20
2-Nitrophenol	1100	0	1100	ug/Kg	100		9		54	145	20
2,4-Dimethylphenol	1100	0	1300	ug/Kg	118		0		44	135	20
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1100	0	1100	ug/Kg	100		0		72	118	20
Naphthalene	1100	0	1100	ug/Kg	100		0		72	110	20
4-Chloroaniline	1100	0	310	ug/Kg	28		4		10	91	20
Hexachlorobutadiene	1100	0	1100	ug/Kg	100		0		66	114	20
Caprolactam	1100	0	1100	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		0		59	123	20
Hexachlorocyclopentadiene	2200	0	1700	ug/Kg	77		0		10	175	20
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109		0		72	117	20
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100		0		72	117	20
1,1-Biphenyl	1100	0	1200	ug/Kg	109		0		75	113	20
2-Chloronaphthalene	1100	0	1200	ug/Kg	109		0		67	118	20
2-Nitroaniline	1100	0	1200	ug/Kg	109		0		69	127	20
Dimethylphthalate	1100	0	1200	ug/Kg	109		0		70	113	20
Acenaphthylene	1100	0	1200	ug/Kg	109		0		79	118	20
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100		0		70	125	20
3-Nitroaniline	1100	0	800	ug/Kg	73		3		30	99	20
Acenaphthene	1100	0	1200	ug/Kg	109		0		70	121	20
2,4-Dinitrophenol	2200	0	1400	ug/Kg	64		0		10	155	20
4-Nitrophenol	2200	0	1800	ug/Kg	82		0		45	133	20
Dibenzofuran	1100	0	1100	ug/Kg	100		9		72	110	20
2,4-Dinitrotoluene	1100	0	1100	ug/Kg	100		0		55	128	20
Diethylphthalate	1100	0	1100	ug/Kg	100		0		70	112	20
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100		0		71	108	20
Fluorene	1100	0	1000	ug/Kg	91		9		68	116	20
4-Nitroaniline	1100	0	840	ug/Kg	76		5		55	120	20
4,6-Dinitro-2-methylphenol	1100	0	1000	ug/Kg	91		9		10	160	20
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118		0		73	118	20
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109		8		65	121	20
Hexachlorobenzene	1100	0	1200	ug/Kg	109		0		67	118	20
Atrazine	1100	0	1300	ug/Kg	118		0		79	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4779

Client: CHA Companies, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2200	0	2000	ug/Kg	91		4		47	128	20
Phenanthrene	1100	0	1200	ug/Kg	109		0		52	128	20
Anthracene	1100	0	1200	ug/Kg	109		0		62	124	20
Carbazole	1100	0	1100	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1100	0	1100	ug/Kg	100		9		69	118	20
Fluoranthene	1100	0	1100	ug/Kg	100		0		44	125	20
Pyrene	1100	0	1000	ug/Kg	91		0		26	142	20
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		0		64	126	20
3,3-Dichlorobenzidine	1100	0	740	ug/Kg	67		1		33	116	20
Benzo(a)anthracene	1100	0	1200	ug/Kg	109		0		71	114	20
Chrysene	1100	0	1200	ug/Kg	109		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109		0		42	169	20
Di-n-octyl phthalate	1100	0	1200	ug/Kg	109		0		23	175	20
Benzo(b)fluoranthene	1100	0	1200	ug/Kg	109		0		67	121	20
Benzo(k)fluoranthene	1100	0	1300	ug/Kg	118		0		57	134	20
Benzo(a)pyrene	1100	0	1300	ug/Kg	118		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100		0		40	129	20
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100		0		43	123	20
Benzo(g,h,i)perylene	1100	0	980	ug/Kg	89		1		24	125	20
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109		0		69	124	20
1,4-Dioxane	1100	0	1100	ug/Kg	100		0		46	112	20
2,3,4,6-Tetrachlorophenol	1100	0	1100	ug/Kg	100		0		69	112	20