284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2032

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2032-06MSD		**Client Sample ID: TP-24MSD**						**DataFile: BP024692.D**			
Benzaldehyde	2200	0	1500	ug/Kg	68		7		10	86	20
Phenol	2200	0	1800	ug/Kg	82		15		67	126	20
bis(2-Chloroethyl)ether	2200	0	1700	ug/Kg	77		6		54	125	20
2-Chlorophenol	2200	0	1900	ug/Kg	86		10		79	107	20
2-Methylphenol	2200	0	1800	ug/Kg	82		10		66	122	20
2,2-oxybis(1-Chloropropane)	2200	0	1600	ug/Kg	73		12		65	110	20
Acetophenone	2200	0	1800	ug/Kg	82		5		75	111	20
3+4-Methylphenols	2200	0	1700	ug/Kg	77		17		66	104	20
N-Nitroso-di-n-propylamine	2200	0	1500	ug/Kg	68		19		59	119	20
Hexachloroethane	2200	0	1700	ug/Kg	77		6		65	117	20
Nitrobenzene	2200	0	1800	ug/Kg	82		5		70	119	20
Isophorone	2200	0	1700	ug/Kg	77		11		76	122	20
2-Nitrophenol	2200	0	2000	ug/Kg	91		9		54	145	20
2,4-Dimethylphenol	2200	0	1900	ug/Kg	86		10		44	135	20
bis(2-Chloroethoxy)methane	2200	0	1700	ug/Kg	77		11		68	112	20
2,4-Dichlorophenol	2200	0	1900	ug/Kg	86		15		72	118	20
Naphthalene	2200	0	1800	ug/Kg	82		10		72	110	20
4-Chloroaniline	2200	0	980	ug/Kg	45		11		10	91	20
Hexachlorobutadiene	2200	0	1900	ug/Kg	86		6		66	114	20
Caprolactam	2200	0	1500	ug/Kg	68		33	*	51	134	20
4-Chloro-3-methylphenol	2200	0	1700	ug/Kg	77		21	*	57	132	20
2-Methylnaphthalene	2200	0	1700	ug/Kg	77		17		59	123	20
Hexachlorocyclopentadiene	4500	0	4300	ug/Kg	96		5		10	175	20
2,4,6-Trichlorophenol	2200	0	2000	ug/Kg	91		9		72	117	20
2,4,5-Trichlorophenol	2200	0	2000	ug/Kg	91		9		72	117	20
1,1-Biphenyl	2200	0	2000	ug/Kg	91		0		75	113	20
2-Chloronaphthalene	2200	0	2000	ug/Kg	91		0		67	118	20
2-Nitroaniline	2200	0	1800	ug/Kg	82		15		69	127	20
Dimethylphthalate	2200	0	1700	ug/Kg	77		17		70	113	20
Acenaphthylene	2200	0	1900	ug/Kg	86		6		79	118	20
2,6-Dinitrotoluene	2200	0	1800	ug/Kg	82		10		70	125	20
3-Nitroaniline	2200	0	1100	ug/Kg	50		25	*	30	99	20
Acenaphthene	2200	0	1800	ug/Kg	82		10		70	121	20
2,4-Dinitrophenol	4500	0	3200	ug/Kg	71		25	*	10	155	20
4-Nitrophenol	4500	0	2700	ug/Kg	60		37	*	45	133	20
Dibenzofuran	2200	0	1800	ug/Kg	82		10		72	110	20
2,4-Dinitrotoluene	2200	0	1700	ug/Kg	77		21	*	55	128	20
Diethylphthalate	2200	0	1600	ug/Kg	73		22	*	70	112	20
4-Chlorophenyl-phenylether	2200	0	1800	ug/Kg	82		10		71	108	20
Fluorene	2200	0	1700	ug/Kg	77		17		68	116	20
4-Nitroaniline	2200	0	1400	ug/Kg	64		35	*	55	120	20
4,6-Dinitro-2-methylphenol	2200	0	2000	ug/Kg	91		9		10	160	20
N-Nitrosodiphenylamine	2200	0	2100	ug/Kg	95		4		73	118	20
4-Bromophenyl-phenylether	2200	0	2100	ug/Kg	95		0		65	121	20
Hexachlorobenzene	2200	0	2000	ug/Kg	91		0		67	118	20
Atrazine	2200	0	1900	ug/Kg	86		10		79	127	20

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Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4500	0	4000	ug/Kg	89		16		47	128	20
Phenanthrene	2200	0	1900	ug/Kg	86		6		52	128	20
Anthracene	2200	0	1900	ug/Kg	86		6		62	124	20
Carbazole	2200	0	1800	ug/Kg	82		15		59	119	20
Di-n-butylphthalate	2200	0	1800	ug/Kg	82		20		69	118	20
Fluoranthene	2200	0	1700	ug/Kg	77		21	*	44	125	20
Pyrene	2200	0	1900	ug/Kg	86		10		26	142	20
Butylbenzylphthalate	2200	0	2000	ug/Kg	91		14		64	126	20
3,3-Dichlorobenzidine	2200	0	1700	ug/Kg	77		5		33	116	20
Benzo(a)anthracene	2200	0	1900	ug/Kg	86		10		71	114	20
Chrysene	2200	0	1900	ug/Kg	86		6		57	121	20
bis(2-Ethylhexyl)phthalate	2200	0	2000	ug/Kg	91		14		42	169	20
Di-n-octyl phthalate	2200	0	2100	ug/Kg	95		14		23	175	20
Benzo(b)fluoranthene	2200	0	1900	ug/Kg	86		10		67	121	20
Benzo(k)fluoranthene	2200	0	1900	ug/Kg	86		10		57	134	20
Benzo(a)pyrene	2200	0	1900	ug/Kg	86		10		70	142	20
Indeno(1,2,3-cd)pyrene	2200	0	2100	ug/Kg	95		10		40	129	20
Dibenz(a,h)anthracene	2200	0	2100	ug/Kg	95		4		43	123	20
Benzo(g,h,i)perylene	2200	0	2100	ug/Kg	95		10		24	125	20
1,2,4,5-Tetrachlorobenzene	2200	0	2000	ug/Kg	91		4		69	124	20
1,4-Dioxane	2200	0	1500	ug/Kg	68		0		46	112	20
2,3,4,6-Tetrachlorophenol	2200	0	1700	ug/Kg	77		21	*	69	112	20