

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O2583-04MS	Client Sample ID:	CF-24MS					DataFile:	284 Sheffield Street, Moun		
Benzaldehyde	2000	0	2400	ug/Kg	120				26	163	
Phenol	2000	0	1900	ug/Kg	95				67	126	
bis(2-Chloroethyl)ether	2000	0	1900	ug/Kg	95				74	116	
2-Chlorophenol	2000	0	2100	ug/Kg	105				61	138	
2-Methylphenol	2000	0	1900	ug/Kg	95				66	122	
2,2-oxybis(1-Chloropropane)	2000	0	1800	ug/Kg	90				52	115	
Acetophenone	2000	0	1900	ug/Kg	95				75	111	
3+4-Methylphenols	2000	0	1800	ug/Kg	90				53	132	
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85				59	119	
Hexachloroethane	2000	0	2000	ug/Kg	100				65	117	
Nitrobenzene	2000	0	1800	ug/Kg	90				70	119	
Isophorone	2000	0	1800	ug/Kg	90				76	122	
2-Nitrophenol	2000	0	1900	ug/Kg	95				54	145	
2,4-Dimethylphenol	2000	0	2000	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	2000	0	1900	ug/Kg	95				68	112	
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95				72	118	
Naphthalene	2000	0	1800	ug/Kg	90				72	110	
4-Chloroaniline	2000	0	910	ug/Kg	46				10	100	
Hexachlorobutadiene	2000	0	1900	ug/Kg	95				66	114	
Caprolactam	2000	0	1600	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	2000	0	1900	ug/Kg	95				57	132	
2-Methylnaphthalene	2000	0	1800	ug/Kg	90				59	123	
Hexachlorocyclopentadiene	3900	0	2800	ug/Kg	72				10	175	
2,4,6-Trichlorophenol	2000	0	1500	ug/Kg	75				72	117	
2,4,5-Trichlorophenol	2000	0	1300	ug/Kg	65	*			72	117	
1,1-Biphenyl	2000	0	1800	ug/Kg	90				75	113	
2-Chloronaphthalene	2000	0	1900	ug/Kg	95				67	118	
2-Nitroaniline	2000	0	1900	ug/Kg	95				69	127	
Dimethylphthalate	2000	0	1900	ug/Kg	95				70	113	
Acenaphthylene	2000	0	1800	ug/Kg	90				79	118	
2,6-Dinitrotoluene	2000	0	1900	ug/Kg	95				70	125	
3-Nitroaniline	2000	0	1400	ug/Kg	70				20	111	
Acenaphthene	2000	0	1700	ug/Kg	85				70	121	
2,4-Dinitrophenol	3900	0	0	ug/Kg	0	*			16	160	
4-Nitrophenol	3900	0	2000	ug/Kg	51				45	133	
Dibenzofuran	2000	0	1800	ug/Kg	90				72	110	
2,4-Dinitrotoluene	2000	0	1900	ug/Kg	95				55	128	
Diethylphthalate	2000	0	1900	ug/Kg	95				70	112	
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90				71	108	
Fluorene	2000	0	1800	ug/Kg	90				68	116	
4-Nitroaniline	2000	0	2000	ug/Kg	100				55	120	
4,6-Dinitro-2-methylphenol	2000	0	0	ug/Kg	0	*			32	145	
N-Nitrosodiphenylamine	2000	0	2000	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	2000	0	1900	ug/Kg	95				65	121	
Hexachlorobenzene	2000	0	2000	ug/Kg	100				67	118	
Atrazine	2000	0	2200	ug/Kg	110				79	127	
Pentachlorophenol	3900	0	380	ug/Kg	10	*			47	128	



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Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Phenanthrene	2000	0	1800	ug/Kg	90				72	113	
Anthracene	2000	0	1800	ug/Kg	90				62	124	
Carbazole	2000	0	1800	ug/Kg	90				59	119	
Di-n-butylphthalate	2000	0	2000	ug/Kg	100				69	118	
Fluoranthene	2000	0	1500	ug/Kg	75				59	125	
Pyrene	2000	0	2000	ug/Kg	100				52	128	
Butylbenzylphthalate	2000	0	2400	ug/Kg	120				64	126	
3,3-Dichlorobenzidine	2000	0	1500	ug/Kg	75				10	164	
Benzo(a)anthracene	2000	0	1800	ug/Kg	90				71	114	
Chrysene	2000	0	1900	ug/Kg	95				57	121	
bis(2-Ethylhexyl)phthalate	2000	0	2200	ug/Kg	110				66	127	
Di-n-octyl phthalate	2000	0	2600	ug/Kg	130	*			71	126	
Benzo(b)fluoranthene	2000	0	1900	ug/Kg	95				67	121	
Benzo(k)fluoranthene	2000	0	1800	ug/Kg	90				74	114	
Benzo(a)pyrene	2000	0	1800	ug/Kg	90				70	142	
Indeno(1,2,3-cd)pyrene	2000	0	1900	ug/Kg	95				61	125	
Dibenz(a,h)anthracene	2000	0	1900	ug/Kg	95				67	130	
Benzo(g,h,i)perylene	2000	0	1700	ug/Kg	85				53	140	
1,2,4,5-Tetrachlorobenzene	2000	0	1800	ug/Kg	90				69	124	
1,4-Dioxane	2000	0	1800	ug/Kg	90				46	112	
2,3,4,6-Tetrachlorophenol	2000	0	870	ug/Kg	44	*			56	133	

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Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	02583-04MSD	Client Sample ID:	CF-24MSD					DataFile:	284 Sheffield Street, Moun		
Benzaldehyde	2000	0	2300	ug/Kg	115		4		26	163	20
Phenol	2000	0	1800	ug/Kg	90		5		67	126	20
bis(2-Chloroethyl)ether	2000	0	1900	ug/Kg	95		0		74	116	20
2-Chlorophenol	2000	0	2000	ug/Kg	100		5		61	138	20
2-Methylphenol	2000	0	1800	ug/Kg	90		5		66	122	20
2,2-oxybis(1-Chloropropane)	2000	0	1800	ug/Kg	90		0		52	115	20
Acetophenone	2000	0	1900	ug/Kg	95		0		75	111	20
3+4-Methylphenols	2000	0	1900	ug/Kg	95		5		53	132	20
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85		0		59	119	20
Hexachloroethane	2000	0	2000	ug/Kg	100		0		65	117	20
Nitrobenzene	2000	0	1800	ug/Kg	90		0		70	119	20
Isophorone	2000	0	1800	ug/Kg	90		0		76	122	20
2-Nitrophenol	2000	0	2000	ug/Kg	100		5		54	145	20
2,4-Dimethylphenol	2000	0	1900	ug/Kg	95		5		83	144	20
bis(2-Chloroethoxy)methane	2000	0	1800	ug/Kg	90		5		68	112	20
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95		0		72	118	20
Naphthalene	2000	0	1800	ug/Kg	90		0		72	110	20
4-Chloroaniline	2000	0	990	ug/Kg	50		8		10	100	20
Hexachlorobutadiene	2000	0	1900	ug/Kg	95		0		66	114	20
Caprolactam	2000	0	1600	ug/Kg	80		0		51	134	20
4-Chloro-3-methylphenol	2000	0	1900	ug/Kg	95		0		57	132	20
2-Methylnaphthalene	2000	0	1800	ug/Kg	90		0		59	123	20
Hexachlorocyclopentadiene	3900	0	2900	ug/Kg	74		3		10	175	20
2,4,6-Trichlorophenol	2000	0	1600	ug/Kg	80		6		72	117	20
2,4,5-Trichlorophenol	2000	0	1400	ug/Kg	70	*	7		72	117	20
1,1-Biphenyl	2000	0	1900	ug/Kg	95		5		75	113	20
2-Chloronaphthalene	2000	0	1900	ug/Kg	95		0		67	118	20
2-Nitroaniline	2000	0	1900	ug/Kg	95		0		69	127	20
Dimethylphthalate	2000	0	1900	ug/Kg	95		0		70	113	20
Acenaphthylene	2000	0	1800	ug/Kg	90		0		79	118	20
2,6-Dinitrotoluene	2000	0	1900	ug/Kg	95		0		70	125	20
3-Nitroaniline	2000	0	1400	ug/Kg	70		0		20	111	20
Acenaphthene	2000	0	1700	ug/Kg	85		0		70	121	20
2,4-Dinitrophenol	3900	0	0	ug/Kg	0	*			16	160	20
4-Nitrophenol	3900	0	2200	ug/Kg	56		9		45	133	20
Dibenzofuran	2000	0	1800	ug/Kg	90		0		72	110	20
2,4-Dinitrotoluene	2000	0	2000	ug/Kg	100		5		55	128	20
Diethylphthalate	2000	0	1900	ug/Kg	95		0		70	112	20
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90		0		71	108	20
Fluorene	2000	0	1800	ug/Kg	90		0		68	116	20
4-Nitroaniline	2000	0	2000	ug/Kg	100		0		55	120	20
4,6-Dinitro-2-methylphenol	2000	0	110	ug/Kg	6	*	200	*	32	145	20
N-Nitrosodiphenylamine	2000	0	2000	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	2000	0	2000	ug/Kg	100		5		65	121	20
Hexachlorobenzene	2000	0	2000	ug/Kg	100		0		67	118	20
Atrazine	2000	0	2200	ug/Kg	110		0		79	127	20
Pentachlorophenol	3900	0	600	ug/Kg	15	*	40	*	47	128	20



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									Low	High	RPD
Phenanthrene	2000	0	1900	ug/Kg	95		5		72	113	20
Anthracene	2000	0	1800	ug/Kg	90		0		62	124	20
Carbazole	2000	0	1800	ug/Kg	90		0		59	119	20
Di-n-butylphthalate	2000	0	2000	ug/Kg	100		0		69	118	20
Fluoranthene	2000	0	1600	ug/Kg	80		6		59	125	20
Pyrene	2000	0	2000	ug/Kg	100		0		52	128	20
Butylbenzylphthalate	2000	0	2400	ug/Kg	120		0		64	126	20
3,3-Dichlorobenzidine	2000	0	1600	ug/Kg	80		6		10	164	20
Benzo(a)anthracene	2000	0	1900	ug/Kg	95		5		71	114	20
Chrysene	2000	0	1900	ug/Kg	95		0		57	121	20
bis(2-Ethylhexyl)phthalate	2000	0	2200	ug/Kg	110		0		66	127	20
Di-n-octyl phthalate	2000	0	2600	ug/Kg	130	*	0		71	126	20
Benzo(b)fluoranthene	2000	0	1900	ug/Kg	95		0		67	121	20
Benzo(k)fluoranthene	2000	0	1700	ug/Kg	85		6		74	114	20
Benzo(a)pyrene	2000	0	1800	ug/Kg	90		0		70	142	20
Indeno(1,2,3-cd)pyrene	2000	0	2000	ug/Kg	100		5		61	125	20
Dibenz(a,h)anthracene	2000	0	2000	ug/Kg	100		5		67	130	20
Benzo(g,h,i)perylene	2000	0	1800	ug/Kg	90		6		53	140	20
1,2,4,5-Tetrachlorobenzene	2000	0	1900	ug/Kg	95		5		69	124	20
1,4-Dioxane	2000	0	1800	ug/Kg	90		0		46	112	20
2,3,4,6-Tetrachlorophenol	2000	0	1000	ug/Kg	50	*	13		56	133	20