

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **O2505**

Client: **Remington & Vernick Engineers**

Analytical Method: **SW8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O2583-04MSD	Client Sample ID:	CF-24MSD					DataFile:	BF133211.D		
Benzaldehyde	2000	0	2300	ug/Kg	115		4		20 (26)	160 (163)	30 (20)
Phenol	2000	0	1800	ug/Kg	90		5		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2000	0	1900	ug/Kg	95		0		70 (74)	130 (116)	30 (20)
2-Chlorophenol	2000	0	2000	ug/Kg	100		5		70 (61)	130 (138)	30 (20)
2-Methylphenol	2000	0	1800	ug/Kg	90		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2000	0	1800	ug/Kg	90		0		70 (52)	130 (115)	30 (20)
Acetophenone	2000	0	1900	ug/Kg	95		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2000	0	1900	ug/Kg	95		5		20 (53)	160 (132)	30 (20)
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2000	0	2000	ug/Kg	100		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	2000	0	1800	ug/Kg	90		0		70 (70)	130 (119)	30 (20)
Isophorone	2000	0	1800	ug/Kg	90		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2000	0	2000	ug/Kg	100		5		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2000	0	1900	ug/Kg	95		5		70 (83)	130 (144)	30 (20)
bis(2-Chloroethoxy)methane	2000	0	1800	ug/Kg	90		5		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95		0		70 (72)	130 (118)	30 (20)
Naphthalene	2000	0	1800	ug/Kg	90		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2000	0	990	ug/Kg	50	*	8		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	2000	0	1900	ug/Kg	95		0		70 (66)	130 (114)	30 (20)
Caprolactam	2000	0	1600	ug/Kg	80		0		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2000	0	1900	ug/Kg	95		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2000	0	1800	ug/Kg	90		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3900	0	2900	ug/Kg	74		3		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2000	0	1600	ug/Kg	80		6		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2000	0	1400	ug/Kg	70		7		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2000	0	1900	ug/Kg	95		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2000	0	1900	ug/Kg	95		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2000	0	1900	ug/Kg	95		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2000	0	1900	ug/Kg	95		0		70 (70)	130 (113)	30 (20)
Acenaphthylene	2000	0	1800	ug/Kg	90		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2000	0	1900	ug/Kg	95		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2000	0	1400	ug/Kg	70		0		70 (20)	130 (111)	30 (20)
Acenaphthene	2000	0	1700	ug/Kg	85		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3900	0	0	ug/Kg	0	*	0		20 (16)	160 (160)	30 (20)
4-Nitrophenol	3900	0	2200	ug/Kg	56		9		20 (45)	160 (133)	30 (20)
Dibenzofuran	2000	0	1800	ug/Kg	90		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2000	0	2000	ug/Kg	100		5		70 (55)	130 (128)	30 (20)
Diethylphthalate	2000	0	1900	ug/Kg	95		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90		0		70 (71)	130 (108)	30 (20)
Fluorene	2000	0	1800	ug/Kg	90		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2000	0	2000	ug/Kg	100		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2000	0	110	ug/Kg	6	*	200	*	70 (32)	130 (145)	30 (20)
N-Nitrosodiphenylamine	2000	0	2000	ug/Kg	100		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2000	0	2000	ug/Kg	100		5		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2000	0	2000	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
Atrazine	2000	0	2200	ug/Kg	110		0		70 (79)	130 (127)	30 (20)
Pentachlorophenol	3900	0	600	ug/Kg	15	*	40	*	20 (47)	160 (128)	30 (20)

() = LABORATORY INHOUSE LIMIT



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Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
Phenanthrene	2000	0	1900	ug/Kg	95		5		70 (72)	130 (113)	30 (20)
Anthracene	2000	0	1800	ug/Kg	90		0		70 (62)	130 (124)	30 (20)
Carbazole	2000	0	1800	ug/Kg	90		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2000	0	2000	ug/Kg	100		0		70 (69)	130 (118)	30 (20)
Fluoranthene	2000	0	1600	ug/Kg	80		6		70 (59)	130 (125)	30 (20)
Pyrene	2000	0	2000	ug/Kg	100		0		70 (52)	130 (128)	30 (20)
Butylbenzylphthalate	2000	0	2400	ug/Kg	120		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2000	0	1600	ug/Kg	80		6		70 (10)	130 (164)	30 (20)
Benzo(a)anthracene	2000	0	1900	ug/Kg	95		5		70 (71)	130 (114)	30 (20)
Chrysene	2000	0	1900	ug/Kg	95		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2000	0	2200	ug/Kg	110		0		70 (66)	130 (127)	30 (20)
Di-n-octyl phthalate	2000	0	2600	ug/Kg	130		0		70 (71)	130 (126)	30 (20)
Benzo(b)fluoranthene	2000	0	1900	ug/Kg	95		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2000	0	1700	ug/Kg	85		6		70 (74)	130 (114)	30 (20)
Benzo(a)pyrene	2000	0	1800	ug/Kg	90		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2000	0	2000	ug/Kg	100		5		70 (61)	130 (125)	30 (20)
Dibenz(a,h)anthracene	2000	0	2000	ug/Kg	100		5		70 (67)	130 (130)	30 (20)
Benzo(g,h,i)perylene	2000	0	1800	ug/Kg	90		6		70 (53)	130 (140)	30 (20)
1,2,4,5-Tetrachlorobenzene	2000	0	1900	ug/Kg	95		5		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2000	0	1800	ug/Kg	90		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2000	0	1000	ug/Kg	50	*	13		70 (56)	130 (133)	30 (20)