

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **O5252**

Client: **RMJ Environomics, Inc.**

Analytical Method: **SW8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O5257-05MSD	Client Sample ID:	WC-2MSD					DataFile:	BF136163.D		
Benzaldehyde	1100	0	350	ug/Kg	32		6		20 (26)	160 (163)	30 (20)
Phenol	1100	0	1100	ug/Kg	100		9		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		9		70 (74)	130 (116)	30 (20)
2-Chlorophenol	1100	0	1100	ug/Kg	100		0		70 (61)	130 (138)	30 (20)
2-Methylphenol	1100	0	1000	ug/Kg	91		6		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	1000	ug/Kg	91		3		70 (52)	130 (115)	30 (20)
Acetophenone	1100	0	1200	ug/Kg	109		9		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1100	0	1000	ug/Kg	91		2		20 (53)	160 (132)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		9		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	1200	ug/Kg	109		9		20 (65)	160 (117)	30 (20)
Nitrobenzene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (119)	30 (20)
Isophorone	1100	0	1100	ug/Kg	100		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1100	0	1300	ug/Kg	118		8		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1100	0	1000	ug/Kg	91		4		70 (83)	130 (144)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		9		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109		9		70 (72)	130 (118)	30 (20)
Naphthalene	1100	0	1100	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1100	0	260	ug/Kg	24	*	0		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	1100	0	1200	ug/Kg	109		0		70 (66)	130 (114)	30 (20)
Caprolactam	1100	0	1200	ug/Kg	109		9		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	1200	ug/Kg	109		9		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		9		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2200	0	1700	ug/Kg	77		18		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109		9		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100		9		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1100	0	1200	ug/Kg	109		9		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1100	0	1200	ug/Kg	109		9		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1100	0	1200	ug/Kg	109		9		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1100	0	1200	ug/Kg	109		9		70 (70)	130 (113)	30 (20)
Acenaphthylene	1100	0	1200	ug/Kg	109		9		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1100	0	690	ug/Kg	63	*	5		70 (20)	130 (111)	30 (20)
Acenaphthene	1100	0	1100	ug/Kg	100		9		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2200	0	1700	ug/Kg	77		12		20 (16)	160 (160)	30 (20)
4-Nitrophenol	2200	0	2200	ug/Kg	100		9		20 (45)	160 (133)	30 (20)
Dibenzofuran	1100	0	1100	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1100	0	1200	ug/Kg	109		9		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1100	0	1200	ug/Kg	109		9		70 (71)	130 (108)	30 (20)
Fluorene	1100	0	1200	ug/Kg	109		9		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1100	0	970	ug/Kg	88		5		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	970	ug/Kg	88		8		70 (32)	130 (145)	30 (20)
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118		8		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	1300	ug/Kg	118		8		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	1300	ug/Kg	118		8		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1600	ug/Kg	145	*	6		70 (79)	130 (127)	30 (20)
Pentachlorophenol	2200	0	2100	ug/Kg	95		4		20 (47)	160 (128)	30 (20)

() = LABORATORY INHOUSE LIMIT



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Parameter	Spike	Sample Result	Result	Units	Rec	Rec		RPD		Limits	
						Qual	RPD	Qual	Low	High	RPD
Phenanthrene	1100	71.1	1200	ug/Kg	103		0		70 (72)	130 (113)	30 (20)
Anthracene	1100	0	1200	ug/Kg	109		9		70 (62)	130 (124)	30 (20)
Carbazole	1100	0	1100	ug/Kg	100		9		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	1300	ug/Kg	118		8		70 (69)	130 (118)	30 (20)
Fluoranthene	1100	120	1200	ug/Kg	98		10		70 (59)	130 (125)	30 (20)
Pyrene	1100	110	1100	ug/Kg	90		12		70 (52)	130 (128)	30 (20)
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		9		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1100	0	1100	ug/Kg	100		9		70 (10)	130 (164)	30 (20)
Benzo(a)anthracene	1100	67.6	1200	ug/Kg	103		9		70 (71)	130 (114)	30 (20)
Chrysene	1100	69.7	1200	ug/Kg	103		9		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109		9		70 (66)	130 (127)	30 (20)
Di-n-octyl phthalate	1100	0	1400	ug/Kg	127		7		70 (71)	130 (126)	30 (20)
Benzo(b)fluoranthene	1100	100	1400	ug/Kg	118		8		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109		9		70 (74)	130 (114)	30 (20)
Benzo(a)pyrene	1100	70.4	1200	ug/Kg	103		9		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	900	ug/Kg	82		10		70 (61)	130 (125)	30 (20)
Dibenz(a,h)anthracene	1100	0	910	ug/Kg	83		11		70 (67)	130 (130)	30 (20)
Benzo(g,h,i)perylene	1100	88.2	750	ug/Kg	60	*	11		70 (53)	130 (140)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109		9		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1100	0	870	ug/Kg	79		5		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	1100	ug/Kg	100		9		70 (56)	130 (133)	30 (20)