

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3586

Analytical Method: SW8270E

Client: Remington & Vernick Engineers

DataFile: BP026094.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3586-03MSD	Client Sample ID:	SED-3MSD								
Benzaldehyde	3300	0	2700	ug/Kg	82		4		20 (20)	160 (111)	30 (20)
Phenol	3300	0	3200	ug/Kg	97		6		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	3300	0	2900	ug/Kg	88		7		70 (67)	130 (110)	30 (20)
2-Chlorophenol	3300	0	3300	ug/Kg	100		6		70 (67)	130 (119)	30 (20)
2-Methylphenol	3300	0	3200	ug/Kg	97		6		70 (68)	130 (116)	30 (20)
2,2-oxybis(1-Chloropropane)	3300	0	2600	ug/Kg	79		4		70 (59)	130 (113)	30 (20)
Acetophenone	3300	0	3000	ug/Kg	91		3		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	3300	0	3200	ug/Kg	97		10		20 (70)	160 (111)	30 (20)
N-Nitroso-di-n-propylamine	3300	0	3000	ug/Kg	91		7		70 (59)	130 (119)	30 (20)
Hexachloroethane	3300	0	3100	ug/Kg	94		7		20 (65)	160 (115)	30 (20)
Nitrobenzene	3300	0	3100	ug/Kg	94		3		70 (66)	130 (120)	30 (20)
Isophorone	3300	0	2900	ug/Kg	88		3		70 (67)	130 (113)	30 (20)
2-Nitrophenol	3300	0	4200	ug/Kg	127		2		70 (69)	130 (135)	30 (16)
2,4-Dimethylphenol	3300	0	3400	ug/Kg	103		3		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	3300	0	2900	ug/Kg	88		3		70 (70)	130 (112)	30 (20)
2,4-Dichlorophenol	3300	0	3300	ug/Kg	100		3		70 (70)	130 (121)	30 (20)
Naphthalene	3300	0	2900	ug/Kg	88		3		70 (66)	130 (113)	30 (20)
4-Chloroaniline	3300	0	1200	ug/Kg	36	*	8		70 (10)	130 (100)	30 (25)
Hexachlorobutadiene	3300	0	3000	ug/Kg	91		3		70 (67)	130 (118)	30 (16)
Caprolactam	3300	0	3300	ug/Kg	100		3		20 (51)	160 (134)	30 (25)
4-Chloro-3-methylphenol	3300	0	3300	ug/Kg	100		3		70 (71)	130 (118)	30 (20)
2-Methylnaphthalene	3300	0	2700	ug/Kg	82		4		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	6500	0	9200	ug/Kg	142		7		20 (16)	160 (175)	30 (20)
2,4,6-Trichlorophenol	3300	0	3500	ug/Kg	106		3		70 (67)	130 (128)	30 (16)
2,4,5-Trichlorophenol	3300	0	3400	ug/Kg	103		3		70 (69)	130 (123)	30 (16)
1,1-Biphenyl	3300	0	2900	ug/Kg	88		3		70 (69)	130 (126)	30 (20)
2-Chloronaphthalene	3300	0	2900	ug/Kg	88		3		70 (71)	130 (113)	30 (20)
2-Nitroaniline	3300	0	3300	ug/Kg	100		6		70 (73)	130 (125)	30 (16)
Dimethylphthalate	3300	0	3000	ug/Kg	91		3		70 (72)	130 (116)	30 (20)
Acenaphthylene	3300	0	3400	ug/Kg	103		3		70 (69)	130 (128)	30 (15)
2,6-Dinitrotoluene	3300	0	3500	ug/Kg	106		3		70 (67)	130 (141)	30 (20)
3-Nitroaniline	3300	0	1900	ug/Kg	58	*	0		70 (28)	130 (102)	30 (20)
Acenaphthene	3300	0	3300	ug/Kg	100		20		70 (70)	130 (121)	30 (16)
2,4-Dinitrophenol	6500	0	7200	ug/Kg	111		0		20 (10)	160 (164)	30 (30)
4-Nitrophenol	6500	0	6700	ug/Kg	103		2		20 (49)	160 (133)	30 (20)
Dibenzofuran	3300	0	2900	ug/Kg	88		3		70 (71)	130 (111)	30 (20)
2,4-Dinitrotoluene	3300	0	3400	ug/Kg	103		0		70 (73)	130 (130)	30 (20)
Diethylphthalate	3300	0	3000	ug/Kg	91		0		70 (73)	130 (116)	30 (20)
4-Chlorophenyl-phenylether	3300	0	2900	ug/Kg	88		3		70 (72)	130 (112)	30 (20)
Fluorene	3300	0	3000	ug/Kg	91		3		70 (67)	130 (114)	30 (20)
4-Nitroaniline	3300	0	3400	ug/Kg	103		0		70 (61)	130 (128)	30 (20)
4,6-Dinitro-2-methylphenol	3300	0	4100	ug/Kg	124		2		70 (25)	130 (163)	30 (30)
N-Nitrosodiphenylamine	3300	0	3000	ug/Kg	91		3		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	3300	0	3100	ug/Kg	94		7		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	3300	0	3100	ug/Kg	94		7		70 (67)	130 (118)	30 (20)
Atrazine	3300	0	3400	ug/Kg	103		3		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3586

Analytical Method: SW8270E

Client: Remington & Vernick Engineers

DataFile: BP026094.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	6500	0	7100	ug/Kg	109	3			20 (39)	160 (145)	30 (20)
Phenanthrene	3300	0	2900	ug/Kg	88	3			70 (52)	130 (128)	30 (20)
Anthracene	3300	0	3000	ug/Kg	91	3			70 (62)	130 (124)	30 (20)
Carbazole	3300	0	3000	ug/Kg	91	0			70 (73)	130 (115)	30 (20)
Di-n-butylphthalate	3300	0	3200	ug/Kg	97	0			70 (72)	130 (129)	30 (20)
Fluoranthene	3300	0	3000	ug/Kg	91	0			70 (31)	130 (152)	30 (20)
Pyrene	3300	0	2900	ug/Kg	88	3			70 (37)	130 (122)	30 (27)
Butylbenzylphthalate	3300	0	3400	ug/Kg	103	3			70 (59)	130 (151)	30 (20)
3,3-Dichlorobenzidine	3300	0	2400	ug/Kg	73	9			70 (10)	130 (116)	30 (20)
Benzo(a)anthracene	3300	0	3000	ug/Kg	91	3			70 (53)	130 (119)	30 (20)
Chrysene	3300	0	2900	ug/Kg	88	0			70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	3300	200	3100	ug/Kg	88	0			70 (64)	130 (139)	30 (20)
Di-n-octyl phthalate	3300	0	3900	ug/Kg	118	5			70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	3300	0	3000	ug/Kg	91	7			70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	3300	0	2900	ug/Kg	88	3			70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	3300	0	3100	ug/Kg	94	3			70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	3300	0	3100	ug/Kg	94	3			70 (48)	130 (129)	30 (20)
Dibenz(a,h)anthracene	3300	0	3100	ug/Kg	94	3			70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	3300	0	3200	ug/Kg	97	3			70 (40)	130 (133)	30 (20)
1,2,4,5-Tetrachlorobenzene	3300	0	2900	ug/Kg	88	3			70 (65)	130 (132)	30 (20)
1,4-Dioxane	3300	0	2500	ug/Kg	76	0			20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	3300	0	3800	ug/Kg	115	3			70 (56)	130 (141)	30 (20)