

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1936

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1937-05MS	Client Sample ID:	LARGE-PILE-CMS					DataFile:	BM050101.D		
Benzaldehyde	1800	0	850	ug/Kg	47				20 (10)	160 (86)	
Phenol	1800	0	1600	ug/Kg	89				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1800	0	1400	ug/Kg	78				70 (54)	130 (125)	
2-Chlorophenol	1800	0	1500	ug/Kg	83				70 (79)	130 (107)	
2-Methylphenol	1800	0	1600	ug/Kg	89				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1800	0	1400	ug/Kg	78				70 (65)	130 (110)	
Acetophenone	1800	0	1500	ug/Kg	83				70 (75)	130 (111)	
3+4-Methylphenols	1800	0	1500	ug/Kg	83				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1800	0	1400	ug/Kg	78				70 (59)	130 (119)	
Hexachloroethane	1800	0	1400	ug/Kg	78				20 (65)	160 (117)	
Nitrobenzene	1800	0	1500	ug/Kg	83				70 (70)	130 (119)	
Isophorone	1800	0	1400	ug/Kg	78				70 (76)	130 (122)	
2-Nitrophenol	1800	0	1600	ug/Kg	89				70 (54)	130 (145)	
2,4-Dimethylphenol	1800	0	1600	ug/Kg	89				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1800	0	1500	ug/Kg	83				70 (68)	130 (112)	
2,4-Dichlorophenol	1800	0	1600	ug/Kg	89				70 (72)	130 (118)	
Naphthalene	1800	0	1500	ug/Kg	83				70 (72)	130 (110)	
4-Chloroaniline	1800	0	610	ug/Kg	34	*			70 (10)	130 (91)	
Hexachlorobutadiene	1800	0	1500	ug/Kg	83				70 (66)	130 (114)	
Caprolactam	1800	0	1500	ug/Kg	83				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1800	0	1500	ug/Kg	83				70 (57)	130 (132)	
2-Methylnaphthalene	1800	0	1500	ug/Kg	83				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3500	0	3000	ug/Kg	86				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1800	0	1600	ug/Kg	89				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1800	0	1600	ug/Kg	89				70 (72)	130 (117)	
1,1-Biphenyl	1800	0	1500	ug/Kg	83				70 (75)	130 (113)	
2-Chloronaphthalene	1800	0	1500	ug/Kg	83				70 (67)	130 (118)	
2-Nitroaniline	1800	0	1600	ug/Kg	89				70 (69)	130 (127)	
Dimethylphthalate	1800	0	1500	ug/Kg	83				70 (70)	130 (113)	
Acenaphthylene	1800	0	1500	ug/Kg	83				70 (79)	130 (118)	
2,6-Dinitrotoluene	1800	0	1500	ug/Kg	83				70 (70)	130 (125)	
3-Nitroaniline	1800	0	890	ug/Kg	49	*			70 (30)	130 (99)	
Acenaphthene	1800	0	1500	ug/Kg	83				70 (70)	130 (121)	
2,4-Dinitrophenol	3500	0	2900	ug/Kg	83				20 (10)	160 (155)	
4-Nitrophenol	3500	0	3100	ug/Kg	89				20 (45)	160 (133)	
Dibenzofuran	1800	0	1500	ug/Kg	83				70 (72)	130 (110)	
2,4-Dinitrotoluene	1800	0	1600	ug/Kg	89				70 (55)	130 (128)	
Diethylphthalate	1800	0	1500	ug/Kg	83				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1800	0	1500	ug/Kg	83				70 (71)	130 (108)	
Fluorene	1800	0	1500	ug/Kg	83				70 (68)	130 (116)	
4-Nitroaniline	1800	0	1500	ug/Kg	83				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1800	0	1500	ug/Kg	83				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1800	0	1500	ug/Kg	83				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1800	0	1600	ug/Kg	89				70 (65)	130 (121)	
Hexachlorobenzene	1800	0	1500	ug/Kg	83				70 (67)	130 (118)	
Atrazine	1800	0	1600	ug/Kg	89				70 (79)	130 (127)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1936

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3500	0	3600	ug/Kg	103				20 (47)	160 (128)	
Phenanthrene	1800	0	1500	ug/Kg	83				70 (52)	130 (128)	
Anthracene	1800	0	1500	ug/Kg	83				70 (62)	130 (124)	
Carbazole	1800	0	1600	ug/Kg	89				70 (59)	130 (119)	
Di-n-butylphthalate	1800	0	1500	ug/Kg	83				70 (69)	130 (118)	
Fluoranthene	1800	0	1600	ug/Kg	89				70 (44)	130 (125)	
Pyrene	1800	0	1600	ug/Kg	89				70 (26)	130 (142)	
Butylbenzylphthalate	1800	0	1600	ug/Kg	89				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1800	0	920	ug/Kg	51	*			70 (33)	130 (116)	
Benzo(a)anthracene	1800	0	1600	ug/Kg	89				70 (71)	130 (114)	
Chrysene	1800	0	1500	ug/Kg	83				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1800	0	1500	ug/Kg	83				70 (42)	130 (169)	
Di-n-octyl phthalate	1800	0	1500	ug/Kg	83				70 (23)	130 (175)	
Benzo(b)fluoranthene	1800	0	1500	ug/Kg	83				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	0	1500	ug/Kg	83				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	1600	ug/Kg	89				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	1600	ug/Kg	89				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	1600	ug/Kg	89				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1800	0	1600	ug/Kg	89				70 (69)	130 (124)	
1,4-Dioxane	1800	0	1300	ug/Kg	72				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1800	0	1500	ug/Kg	83				70 (69)	130 (112)	