

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4663-08MSD		Client Sample ID: RES-BUILDING-PAD-NO-2MSD		DataFile: BF140210.D							
Benzaldehyde	1800	0	480	ug/Kg	27		4		20 (10)	160 (86)	30 (20)
Phenol	1800	0	1900	ug/Kg	106		6		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106		6		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1800	0	2000	ug/Kg	111		5		70 (79)	130 (107)	30 (20)
2-Methylphenol	1800	0	2000	ug/Kg	111		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1800	0	2000	ug/Kg	111		5		70 (65)	130 (110)	30 (20)
Acetophenone	1800	0	1800	ug/Kg	100		6		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1800	0	1900	ug/Kg	106		6		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1800	0	1900	ug/Kg	106		6		70 (59)	130 (119)	30 (20)
Hexachloroethane	1800	0	1900	ug/Kg	106		6		20 (65)	160 (117)	30 (20)
Nitrobenzene	1800	0	1900	ug/Kg	106		6		70 (70)	130 (119)	30 (20)
Isophorone	1800	0	2000	ug/Kg	111		5		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1800	0	2300	ug/Kg	128		5		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1800	0	2200	ug/Kg	122		4		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1800	0	1900	ug/Kg	106		6		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1800	0	1900	ug/Kg	106		6		70 (72)	130 (118)	30 (20)
Naphthalene	1800	0	1900	ug/Kg	106		6		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1800	0	820	ug/Kg	46	*	7		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1800	0	1900	ug/Kg	106		6		70 (66)	130 (114)	30 (20)
Caprolactam	1800	0	1900	ug/Kg	106		0		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1800	0	2000	ug/Kg	111		5		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1800	0	1900	ug/Kg	106		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3600	0	6100	ug/Kg	169	*	3		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1800	0	2000	ug/Kg	111		10		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1800	0	1900	ug/Kg	106		6		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1800	0	1900	ug/Kg	106		6		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1800	0	1800	ug/Kg	100		6		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1800	0	2200	ug/Kg	122		4		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1800	0	2000	ug/Kg	111		5		70 (70)	130 (113)	30 (20)
Acenaphthylene	1800	0	2000	ug/Kg	111		5		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1800	0	2100	ug/Kg	117		10		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1800	0	1300	ug/Kg	72		0		70 (30)	130 (99)	30 (20)
Acenaphthene	1800	0	2100	ug/Kg	117		5		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3600	0	4800	ug/Kg	133		2		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3600	0	4100	ug/Kg	114		5		20 (45)	160 (133)	30 (20)
Dibenzofuran	1800	0	1900	ug/Kg	106		6		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1800	0	2300	ug/Kg	128		9		70 (55)	130 (128)	30 (20)
Diethylphthalate	1800	0	2000	ug/Kg	111		5		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1800	0	1900	ug/Kg	106		6		70 (71)	130 (108)	30 (20)
Fluorene	1800	0	1900	ug/Kg	106		6		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1800	0	2100	ug/Kg	117		5		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1800	0	2700	ug/Kg	150	*	8		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106		6		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106		6		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1800	0	1900	ug/Kg	106		12		70 (67)	130 (118)	30 (20)
Atrazine	1800	0	2300	ug/Kg	128		5		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

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Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3600	0	3700	ug/Kg	103		9		20 (47)	160 (128)	30 (20)
Phenanthrene	1800	0	1900	ug/Kg	106		6		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	2000	ug/Kg	111		10		70 (62)	130 (124)	30 (20)
Carbazole	1800	0	1900	ug/Kg	106		12		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1800	0	2100	ug/Kg	117		10		70 (69)	130 (118)	30 (20)
Fluoranthene	1800	0	1900	ug/Kg	106		12		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	2100	ug/Kg	117		10		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1800	0	3000	ug/Kg	167	*	11		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1800	0	1700	ug/Kg	94		19		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1800	0	2000	ug/Kg	111		10		70 (71)	130 (114)	30 (20)
Chrysene	1800	0	2000	ug/Kg	111		5		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1800	0	3300	ug/Kg	183	*	9		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1800	0	2600	ug/Kg	144	*	8		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106		6		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	0	1900	ug/Kg	106		12		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	2100	ug/Kg	117		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	1900	ug/Kg	106		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	1900	ug/Kg	106		6		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	1700	ug/Kg	94		5		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1800	0	1900	ug/Kg	106		6		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1800	0	1500	ug/Kg	83		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1800	0	2000	ug/Kg	111		5		70 (69)	130 (112)	30 (20)