

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1422

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1422-01MSD	Client Sample ID:	B-154-SB01MSD					DataFile:	BF141785.D		
Benzaldehyde	1900	0	950	ug/Kg	50		4		20 (10)	160 (86)	30 (20)
Phenol	1900	0	1600	ug/Kg	84		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1900	0	1600	ug/Kg	84		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1900	0	1600	ug/Kg	84		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	1900	0	1600	ug/Kg	84		0		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1900	0	1400	ug/Kg	74		0		70 (65)	130 (110)	30 (20)
Acetophenone	1900	0	1700	ug/Kg	89		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1900	0	1600	ug/Kg	84		6		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1900	0	1500	ug/Kg	79		6		70 (59)	130 (119)	30 (20)
Hexachloroethane	1900	0	1500	ug/Kg	79		6		20 (65)	160 (117)	30 (20)
Nitrobenzene	1900	0	1500	ug/Kg	79		0		70 (70)	130 (119)	30 (20)
Isophorone	1900	0	1600	ug/Kg	84		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1900	0	1600	ug/Kg	84		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1900	0	2000	ug/Kg	105		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1900	0	1600	ug/Kg	84		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1900	0	1600	ug/Kg	84		0		70 (72)	130 (118)	30 (20)
Naphthalene	1900	0	1500	ug/Kg	79		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1900	0	520	ug/Kg	27	*	4		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1900	0	1600	ug/Kg	84		0		70 (66)	130 (114)	30 (20)
Caprolactam	1900	0	1800	ug/Kg	95		0		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1900	0	1500	ug/Kg	79		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1900	0	1500	ug/Kg	79		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3800	0	3600	ug/Kg	95		13		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1900	0	1500	ug/Kg	79		6		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1900	0	1500	ug/Kg	79		6		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1900	0	1700	ug/Kg	89		7		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1900	0	1500	ug/Kg	79		6		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1900	0	1500	ug/Kg	79		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1900	0	1600	ug/Kg	84		0		70 (70)	130 (113)	30 (20)
Acenaphthylene	1900	0	1600	ug/Kg	84		6		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1900	0	1600	ug/Kg	84		6		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1900	0	900	ug/Kg	47	*	4		70 (30)	130 (99)	30 (20)
Acenaphthene	1900	0	1500	ug/Kg	79		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3800	0	2600	ug/Kg	68		8		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3800	0	2900	ug/Kg	76		0		20 (45)	160 (133)	30 (20)
Dibenzofuran	1900	0	1500	ug/Kg	79		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1900	0	1600	ug/Kg	84		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1900	0	1500	ug/Kg	79		6		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84		0		70 (71)	130 (108)	30 (20)
Fluorene	1900	0	1600	ug/Kg	84		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1900	0	1500	ug/Kg	79		6		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1900	0	1400	ug/Kg	74		0		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1900	0	1600	ug/Kg	84		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1900	0	1600	ug/Kg	84		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1900	0	1600	ug/Kg	84		6		70 (67)	130 (118)	30 (20)
Atrazine	1900	0	2000	ug/Kg	105		6		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

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Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3800	0	2500	ug/Kg	66		0		20 (47)	160 (128)	30 (20)
Phenanthrene	1900	0	1600	ug/Kg	84		0		70 (52)	130 (128)	30 (20)
Anthracene	1900	0	1700	ug/Kg	89		0		70 (62)	130 (124)	30 (20)
Carbazole	1900	0	1600	ug/Kg	84		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1900	0	1600	ug/Kg	84		6		70 (69)	130 (118)	30 (20)
Fluoranthene	1900	0	1600	ug/Kg	84		0		70 (44)	130 (125)	30 (20)
Pyrene	1900	0	1600	ug/Kg	84		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1900	0	1200	ug/Kg	63	*	0		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1900	0	1600	ug/Kg	84		6		70 (71)	130 (114)	30 (20)
Chrysene	1900	0	1600	ug/Kg	84		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1900	0	2100	ug/Kg	111		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1900	0	2000	ug/Kg	105		6		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1900	0	1400	ug/Kg	74		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89		18		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1900	0	1600	ug/Kg	84		6		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1900	0	1800	ug/Kg	95		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1900	0	1800	ug/Kg	95		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1900	0	1600	ug/Kg	84		6		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1900	0	1600	ug/Kg	84		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1900	0	1400	ug/Kg	74		7		70 (69)	130 (112)	30 (20)