

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3662

Analytical Method: SW8270E

Client: HDR, Inc.

DataFile: BF144304.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3662-02MSD		Client Sample ID: B3-0.0-1.0-2025117MSD									
Benzaldehyde	2000	0	1700	ug/Kg	85		13		20 (20)	160 (111)	30 (20)
Phenol	2000	0	1800	ug/Kg	90		6		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	2000	0	2000	ug/Kg	100		11		70 (67)	130 (110)	30 (20)
2-Chlorophenol	2000	0	1900	ug/Kg	95		5		70 (67)	130 (119)	30 (20)
2-Methylphenol	2000	0	1900	ug/Kg	95		5		70 (68)	130 (116)	30 (20)
2,2-oxybis(1-Chloropropane)	2000	0	1900	ug/Kg	95		5		70 (59)	130 (113)	30 (20)
Acetophenone	2000	0	2000	ug/Kg	100		5		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	2000	0	1800	ug/Kg	90		0		20 (70)	160 (111)	30 (20)
N-Nitroso-di-n-propylamine	2000	0	1900	ug/Kg	95		5		70 (59)	130 (119)	30 (20)
Hexachloroethane	2000	0	1800	ug/Kg	90		6		20 (65)	160 (115)	30 (20)
Nitrobenzene	2000	0	2000	ug/Kg	100		11		70 (66)	130 (120)	30 (20)
Isophorone	2000	0	2000	ug/Kg	100		11		70 (67)	130 (113)	30 (20)
2-Nitrophenol	2000	0	1700	ug/Kg	85		13		70 (69)	130 (135)	30 (16)
2,4-Dimethylphenol	2000	0	2100	ug/Kg	105		5		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	2000	0	2000	ug/Kg	100		11		70 (70)	130 (112)	30 (20)
2,4-Dichlorophenol	2000	0	1800	ug/Kg	90		6		70 (70)	130 (121)	30 (20)
Naphthalene	2000	0	1900	ug/Kg	95		5		70 (66)	130 (113)	30 (20)
4-Chloroaniline	2000	0	500	ug/Kg	25	*	8		70 (10)	130 (100)	30 (25)
Hexachlorobutadiene	2000	0	1800	ug/Kg	90		6		70 (67)	130 (118)	30 (16)
Caprolactam	2000	0	1900	ug/Kg	95		5		20 (51)	160 (134)	30 (25)
4-Chloro-3-methylphenol	2000	0	1700	ug/Kg	85		6		70 (71)	130 (118)	30 (20)
2-Methylnaphthalene	2000	0	1700	ug/Kg	85		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3900	0	1300	ug/Kg	33		6		20 (16)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2000	0	1900	ug/Kg	95		11		70 (67)	130 (128)	30 (16)
2,4,5-Trichlorophenol	2000	0	1800	ug/Kg	90		6		70 (69)	130 (123)	30 (16)
1,1-Biphenyl	2000	0	2000	ug/Kg	100		5		70 (69)	130 (126)	30 (20)
2-Chloronaphthalene	2000	0	1900	ug/Kg	95		5		70 (71)	130 (113)	30 (20)
2-Nitroaniline	2000	0	2100	ug/Kg	105		10		70 (73)	130 (125)	30 (16)
Dimethylphthalate	2000	0	2000	ug/Kg	100		5		70 (72)	130 (116)	30 (20)
Acenaphthylene	2000	0	2100	ug/Kg	105		5		70 (69)	130 (128)	30 (15)
2,6-Dinitrotoluene	2000	0	2000	ug/Kg	100		5		70 (67)	130 (141)	30 (20)
3-Nitroaniline	2000	0	1400	ug/Kg	70		7		70 (28)	130 (102)	30 (20)
Acenaphthene	2000	0	1700	ug/Kg	85		6		70 (70)	130 (121)	30 (16)
2,4-Dinitrophenol	3900	0	0	ug/Kg	0	*	200	*	20 (10)	160 (164)	30 (30)
4-Nitrophenol	3900	0	3800	ug/Kg	97		5		20 (49)	160 (133)	30 (20)
Dibenzofuran	2000	0	1900	ug/Kg	95		5		70 (71)	130 (111)	30 (20)
2,4-Dinitrotoluene	2000	0	1900	ug/Kg	95		5		70 (73)	130 (130)	30 (20)
Diethylphthalate	2000	0	2000	ug/Kg	100		5		70 (73)	130 (116)	30 (20)
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90		6		70 (72)	130 (112)	30 (20)
Fluorene	2000	0	1900	ug/Kg	95		5		70 (67)	130 (114)	30 (20)
4-Nitroaniline	2000	0	2000	ug/Kg	100		5		70 (61)	130 (128)	30 (20)
4,6-Dinitro-2-methylphenol	2000	0	210	ug/Kg	11	*	0		70 (25)	130 (163)	30 (30)
N-Nitrosodiphenylamine	2000	0	1900	ug/Kg	95		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2000	0	1700	ug/Kg	85		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2000	0	1800	ug/Kg	90		6		70 (67)	130 (118)	30 (20)
Atrazine	2000	0	1900	ug/Kg	95		0		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

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Pentachlorophenol	3900	0	3400	ug/Kg	87		2		20 (39)	160 (145)	30 (20)
Phenanthrene	2000	94.7	2000	ug/Kg	95		5		70 (52)	130 (128)	30 (20)
Anthracene	2000	0	1900	ug/Kg	95		5		70 (62)	130 (124)	30 (20)
Carbazole	2000	0	2100	ug/Kg	105		5		70 (73)	130 (115)	30 (20)
Di-n-butylphthalate	2000	0	2000	ug/Kg	100		5		70 (72)	130 (129)	30 (20)
Fluoranthene	2000	270	2400	ug/Kg	107		5		70 (31)	130 (152)	30 (20)
Pyrene	2000	190	1900	ug/Kg	86		6		70 (37)	130 (122)	30 (27)
Butylbenzylphthalate	2000	0	2100	ug/Kg	105		10		70 (59)	130 (151)	30 (20)
3,3-Dichlorobenzidine	2000	0	1400	ug/Kg	70		7		70 (10)	130 (116)	30 (20)
Benzo(a)anthracene	2000	120	2100	ug/Kg	99		11		70 (53)	130 (119)	30 (20)
Chrysene	2000	120	2000	ug/Kg	94		5		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2000	0	2100	ug/Kg	105		5		70 (64)	130 (139)	30 (20)
Di-n-octyl phthalate	2000	0	2000	ug/Kg	100		5		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	2000	170	2400	ug/Kg	112		5		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	2000	0	2200	ug/Kg	110		5		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2000	130	2100	ug/Kg	99		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2000	0	1600	ug/Kg	80		6		70 (48)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2000	0	1600	ug/Kg	80		6		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2000	0	1600	ug/Kg	80		6		70 (40)	130 (133)	30 (20)
1,2,4,5-Tetrachlorobenzene	2000	0	1900	ug/Kg	95		5		70 (65)	130 (132)	30 (20)
1,4-Dioxane	2000	0	2100	ug/Kg	105		5		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2000	0	2000	ug/Kg	100		5		70 (56)	130 (141)	30 (20)