

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649

Analytical Method: SW8270E

Client: HDR, Inc.

DataFile: BG064797.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3649-08MSD		Client Sample ID: B3-0.0-0.5-20251114MSD									
Benzaldehyde	1900	0	1200	ug/Kg	63		8		20 (20)	160 (111)	30 (20)
Phenol	1900	0	1900	ug/Kg	100		5		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89		7		70 (67)	130 (110)	30 (20)
2-Chlorophenol	1900	0	1800	ug/Kg	95		5		70 (67)	130 (119)	30 (20)
2-Methylphenol	1900	0	1800	ug/Kg	95		5		70 (68)	130 (116)	30 (20)
2,2-oxybis(1-Chloropropane)	1900	0	1600	ug/Kg	84		6		70 (59)	130 (113)	30 (20)
Acetophenone	1900	0	1700	ug/Kg	89		7		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	1900	0	1800	ug/Kg	95		5		20 (70)	160 (111)	30 (20)
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89		7		70 (59)	130 (119)	30 (20)
Hexachloroethane	1900	0	1700	ug/Kg	89		7		20 (65)	160 (115)	30 (20)
Nitrobenzene	1900	0	1700	ug/Kg	89		7		70 (66)	130 (120)	30 (20)
Isophorone	1900	0	1700	ug/Kg	89		7		70 (67)	130 (113)	30 (20)
2-Nitrophenol	1900	0	1800	ug/Kg	95		10		70 (69)	130 (135)	30 (16)
2,4-Dimethylphenol	1900	0	1800	ug/Kg	95		5		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89		12		70 (70)	130 (112)	30 (20)
2,4-Dichlorophenol	1900	0	1900	ug/Kg	100		5		70 (70)	130 (121)	30 (20)
Naphthalene	1900	0	1700	ug/Kg	89		7		70 (66)	130 (113)	30 (20)
4-Chloroaniline	1900	0	400	ug/Kg	21	*	13		70 (10)	130 (100)	30 (25)
Hexachlorobutadiene	1900	0	1600	ug/Kg	84		6		70 (67)	130 (118)	30 (16)
Caprolactam	1900	0	1800	ug/Kg	95		5		20 (51)	160 (134)	30 (25)
4-Chloro-3-methylphenol	1900	0	1800	ug/Kg	95		10		70 (71)	130 (118)	30 (20)
2-Methylnaphthalene	1900	0	1500	ug/Kg	79		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3900	0	3100	ug/Kg	79		13		20 (16)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1900	0	1800	ug/Kg	95		5		70 (67)	130 (128)	30 (16)
2,4,5-Trichlorophenol	1900	0	1800	ug/Kg	95		5		70 (69)	130 (123)	30 (16)
1,1-Biphenyl	1900	0	1700	ug/Kg	89		12		70 (69)	130 (126)	30 (20)
2-Chloronaphthalene	1900	0	1700	ug/Kg	89		7		70 (71)	130 (113)	30 (20)
2-Nitroaniline	1900	0	1700	ug/Kg	89		16		70 (73)	130 (125)	30 (16)
Dimethylphthalate	1900	0	1700	ug/Kg	89		7		70 (72)	130 (116)	30 (20)
Acenaphthylene	1900	0	1700	ug/Kg	89		12		70 (69)	130 (128)	30 (15)
2,6-Dinitrotoluene	1900	0	1900	ug/Kg	100		5		70 (67)	130 (141)	30 (20)
3-Nitroaniline	1900	0	770	ug/Kg	41	*	5		70 (28)	130 (102)	30 (20)
Acenaphthene	1900	0	1900	ug/Kg	100		10		70 (70)	130 (121)	30 (16)
2,4-Dinitrophenol	3900	0	3600	ug/Kg	92		5		20 (10)	160 (164)	30 (30)
4-Nitrophenol	3900	0	3800	ug/Kg	97		8		20 (49)	160 (133)	30 (20)
Dibenzofuran	1900	0	1700	ug/Kg	89		7		70 (71)	130 (111)	30 (20)
2,4-Dinitrotoluene	1900	0	1800	ug/Kg	95		10		70 (73)	130 (130)	30 (20)
Diethylphthalate	1900	0	1700	ug/Kg	89		7		70 (73)	130 (116)	30 (20)
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84		12		70 (72)	130 (112)	30 (20)
Fluorene	1900	0	1700	ug/Kg	89		7		70 (67)	130 (114)	30 (20)
4-Nitroaniline	1900	0	1700	ug/Kg	89		7		70 (61)	130 (128)	30 (20)
4,6-Dinitro-2-methylphenol	1900	0	2000	ug/Kg	105		10		70 (25)	130 (163)	30 (30)
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1900	0	1700	ug/Kg	89		12		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (67)	130 (118)	30 (20)
Atrazine	1900	0	1700	ug/Kg	89		12		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

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Pentachlorophenol	3900	0	3600	ug/Kg	92		8		20 (39)	160 (145)	30 (20)
Phenanthrene	1900	0	1700	ug/Kg	89		12		70 (52)	130 (128)	30 (20)
Anthracene	1900	0	1700	ug/Kg	89		12		70 (62)	130 (124)	30 (20)
Carbazole	1900	0	1700	ug/Kg	89		12		70 (73)	130 (115)	30 (20)
Di-n-butylphthalate	1900	0	1700	ug/Kg	89		12		70 (72)	130 (129)	30 (20)
Fluoranthene	1900	0	1600	ug/Kg	84		12		70 (31)	130 (152)	30 (20)
Pyrene	1900	0	1900	ug/Kg	100		5		70 (37)	130 (122)	30 (27)
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		10		70 (59)	130 (151)	30 (20)
3,3-Dichlorobenzidine	1900	0	720	ug/Kg	38	*	8		70 (10)	130 (116)	30 (20)
Benzo(a)anthracene	1900	0	1700	ug/Kg	89		7		70 (53)	130 (119)	30 (20)
Chrysene	1900	0	1700	ug/Kg	89		7		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95		5		70 (64)	130 (139)	30 (20)
Di-n-octyl phthalate	1900	0	1700	ug/Kg	89		12		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	1900	0	1700	ug/Kg	89		12		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89		12		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1900	0	1800	ug/Kg	95		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1900	0	1800	ug/Kg	95		10		70 (48)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100		5		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1900	0	1800	ug/Kg	95		10		70 (40)	130 (133)	30 (20)
1,2,4,5-Tetrachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (65)	130 (132)	30 (20)
1,4-Dioxane	1900	0	1400	ug/Kg	74		13		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1900	0	1900	ug/Kg	100		5		70 (56)	130 (141)	30 (20)