

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3466

Analytical Method: SW8270E

Client: HDR, Inc.

DataFile: BF144130.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3469-01MS	Client Sample ID:	TP-13MS								
Benzaldehyde	1100	0	600	ug/Kg	55				20 (10)	160 (171)	
Phenol	1100	0	1100	ug/Kg	100				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100				70 (54)	130 (125)	
2-Chlorophenol	1100	0	1100	ug/Kg	100				70 (51)	130 (121)	
2-Methylphenol	1100	0	1200	ug/Kg	109				70 (47)	130 (125)	
2,2-oxybis(1-Chloropropane)	1100	0	1100	ug/Kg	100				70 (46)	130 (119)	
Acetophenone	1100	0	1200	ug/Kg	109				70 (55)	130 (128)	
3+4-Methylphenols	1100	0	1100	ug/Kg	100				20 (49)	160 (125)	
N-Nitroso-di-n-propylamine	1100	0	1200	ug/Kg	109				70 (59)	130 (119)	
Hexachloroethane	1100	0	1100	ug/Kg	100				20 (51)	160 (116)	
Nitrobenzene	1100	0	1100	ug/Kg	100				70 (47)	130 (124)	
Isophorone	1100	0	1200	ug/Kg	109				70 (49)	130 (127)	
2-Nitrophenol	1100	0	1100	ug/Kg	100				70 (43)	130 (131)	
2,4-Dimethylphenol	1100	0	1300	ug/Kg	118				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	1100	0	1200	ug/Kg	109				70 (51)	130 (119)	
2,4-Dichlorophenol	1100	0	1100	ug/Kg	100				70 (50)	130 (122)	
Naphthalene	1100	0	1100	ug/Kg	100				70 (51)	130 (121)	
4-Chloroaniline	1100	0	270	ug/Kg	25	*			70 (10)	130 (100)	
Hexachlorobutadiene	1100	0	1000	ug/Kg	91				70 (44)	130 (126)	
Caprolactam	1100	0	1400	ug/Kg	127				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	1200	ug/Kg	109				70 (57)	130 (132)	
2-Methylnaphthalene	1100	0	1000	ug/Kg	91				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2200	0	2600	ug/Kg	118				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	1100	ug/Kg	100				70 (33)	130 (141)	
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100				70 (38)	130 (135)	
1,1-Biphenyl	1100	0	1200	ug/Kg	109				70 (55)	130 (131)	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				70 (48)	130 (124)	
2-Nitroaniline	1100	0	1100	ug/Kg	100				70 (47)	130 (134)	
Dimethylphthalate	1100	0	1200	ug/Kg	109				70 (54)	130 (120)	
Acenaphthylene	1100	0	1200	ug/Kg	109				70 (57)	130 (125)	
2,6-Dinitrotoluene	1100	0	1300	ug/Kg	118				70 (48)	130 (127)	
3-Nitroaniline	1100	0	650	ug/Kg	59	*			70 (10)	130 (112)	
Acenaphthene	1100	0	1000	ug/Kg	91				70 (70)	130 (121)	
2,4-Dinitrophenol	2200	0	2100	ug/Kg	95				20 (10)	160 (155)	
4-Nitrophenol	2200	0	2100	ug/Kg	95				20 (10)	160 (175)	
Dibenzofuran	1100	0	1100	ug/Kg	100				70 (52)	130 (114)	
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109				70 (41)	130 (140)	
Diethylphthalate	1100	0	1200	ug/Kg	109				70 (51)	130 (119)	
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100				70 (48)	130 (122)	
Fluorene	1100	0	1100	ug/Kg	100				70 (53)	130 (118)	
4-Nitroaniline	1100	0	1100	ug/Kg	100				70 (29)	130 (140)	
4,6-Dinitro-2-methylphenol	1100	0	1100	ug/Kg	100				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1100	0	1200	ug/Kg	109				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	1100	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	1100	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1100	0	1200	ug/Kg	109				70 (45)	130 (175)	

() = LABORATORY INHOUSE LIMIT

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Pentachlorophenol	2200	0	2200	ug/Kg	100				20 (13)	160 (153)	
Phenanthrene	1100	0	1100	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1100	0	1100	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1100	0	1100	ug/Kg	100				70 (59)	130 (119)	
Di-n-butylphthalate	1100	0	1100	ug/Kg	100				70 (55)	130 (125)	
Fluoranthene	1100	94.5	1100	ug/Kg	91				70 (44)	130 (125)	
Pyrene	1100	98.3	1200	ug/Kg	100				70 (37)	130 (122)	
Butylbenzylphthalate	1100	0	1200	ug/Kg	109				70 (44)	130 (135)	
3,3-Dichlorobenzidine	1100	0	610	ug/Kg	55	*			70 (15)	130 (112)	
Benzo(a)anthracene	1100	76.8	1300	ug/Kg	111				70 (53)	130 (119)	
Chrysene	1100	63.1	1300	ug/Kg	112				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109				70 (42)	130 (169)	
Di-n-octyl phthalate	1100	0	1300	ug/Kg	118				70 (51)	130 (156)	
Benzo(b)fluoranthene	1100	120	1300	ug/Kg	107				70 (52)	130 (117)	
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109				70 (57)	130 (134)	
Benzo(a)pyrene	1100	85.9	1300	ug/Kg	110				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	970	ug/Kg	88				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1100	0	980	ug/Kg	89				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1100	0	890	ug/Kg	81				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1100	0	1100	ug/Kg	100				70 (52)	130 (134)	
1,4-Dioxane	1100	0	940	ug/Kg	85				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109				70 (24)	130 (146)	