

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1585-01MSD	Client Sample ID:	OK-02-03142025MSD					DataFile:	BF141981.D		
Benzaldehyde	1000	0	400	ug/Kg	40		3		20 (10)	160 (86)	30 (20)
Phenol	1000	0	930	ug/Kg	93		6		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1000	0	960	ug/Kg	96		3		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1000	0	940	ug/Kg	94		3		70 (79)	130 (107)	30 (20)
2-Methylphenol	1000	0	900	ug/Kg	90		3		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1000	0	870	ug/Kg	87		4		70 (65)	130 (110)	30 (20)
Acetophenone	1000	0	1100	ug/Kg	110		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1000	0	910	ug/Kg	91		4		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1000	0	860	ug/Kg	86		1		70 (59)	130 (119)	30 (20)
Hexachloroethane	1000	0	890	ug/Kg	89		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	1000	0	1000	ug/Kg	100		5		70 (70)	130 (119)	30 (20)
Isophorone	1000	0	1000	ug/Kg	100		3		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1000	0	910	ug/Kg	91		2		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1000	0	1200	ug/Kg	120		9		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1000	0	980	ug/Kg	98		4		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1000	0	940	ug/Kg	94		5		70 (72)	130 (118)	30 (20)
Naphthalene	1000	0	980	ug/Kg	98		5		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1000	0	460	ug/Kg	46	*	33	*	70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1000	0	1000	ug/Kg	100		1		70 (66)	130 (114)	30 (20)
Caprolactam	1000	0	1000	ug/Kg	100		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1000	0	860	ug/Kg	86		6		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1000	0	900	ug/Kg	90		5		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2100	0	900	ug/Kg	43		36	*	20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1000	0	980	ug/Kg	98		2		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1000	0	990	ug/Kg	99		2		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1000	0	1200	ug/Kg	120		9		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1000	0	1000	ug/Kg	100		3		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1000	0	1000	ug/Kg	100		2		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1000	0	1000	ug/Kg	100		1		70 (70)	130 (113)	30 (20)
Acenaphthylene	1000	150	1100	ug/Kg	95		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1000	0	960	ug/Kg	96		4		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1000	0	880	ug/Kg	88		10		70 (30)	130 (99)	30 (20)
Acenaphthene	1000	120	1000	ug/Kg	88		2		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2100	0	470	ug/Kg	22		24		20 (10)	160 (155)	30 (20)
4-Nitrophenol	2100	0	2200	ug/Kg	105		5		20 (45)	160 (133)	30 (20)
Dibenzofuran	1000	0	990	ug/Kg	99		4		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1000	0	960	ug/Kg	96		4		70 (55)	130 (128)	30 (20)
Diethylphthalate	1000	0	960	ug/Kg	96		2		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1000	0	950	ug/Kg	95		3		70 (71)	130 (108)	30 (20)
Fluorene	1000	200	1100	ug/Kg	90		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1000	0	940	ug/Kg	94		10		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1000	0	160	ug/Kg	16	*	36	*	70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1000	0	990	ug/Kg	99		4		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1000	0	930	ug/Kg	93		3		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1000	0	960	ug/Kg	96		5		70 (67)	130 (118)	30 (20)
Atrazine	1000	0	1300	ug/Kg	130		8		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	2100	0	2000	ug/Kg	95		5		20 (47)	160 (128)	30 (20)
Phenanthrene	1000	1100	1800	ug/Kg	70		15		70 (52)	130 (128)	30 (20)
Anthracene	1000	280	1200	ug/Kg	92		11		70 (62)	130 (124)	30 (20)
Carbazole	1000	140	1100	ug/Kg	96		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1000	0	990	ug/Kg	99		5		70 (69)	130 (118)	30 (20)
Fluoranthene	1000	1300	1900	ug/Kg	60	*	18		70 (44)	130 (125)	30 (20)
Pyrene	1000	790	1600	ug/Kg	81		13		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1000	0	970	ug/Kg	97		6		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1000	0	980	ug/Kg	98		10		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1000	630	1400	ug/Kg	77		14		70 (71)	130 (114)	30 (20)
Chrysene	1000	630	1400	ug/Kg	77		14		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1000	91.3	990	ug/Kg	90		7		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1000	0	1000	ug/Kg	100		0		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1000	640	1400	ug/Kg	76		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1000	310	1100	ug/Kg	79		15		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1000	570	1400	ug/Kg	83		13		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1000	240	1100	ug/Kg	86		12		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1000	0	930	ug/Kg	93		6		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1000	310	1100	ug/Kg	79		14		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1000	0	1200	ug/Kg	120		9		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1000	0	1000	ug/Kg	100		3		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1000	0	940	ug/Kg	94		7		70 (69)	130 (112)	30 (20)