

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4860-09MSD	Client Sample ID:	PH2-BOT-006MSD					DataFile:	BF140640.D		
Benzaldehyde	1700	0	210	ug/Kg	12	*	0		20 (10)	160 (86)	30 (20)
Phenol	1700	0	1600	ug/Kg	94		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1700	0	1600	ug/Kg	94		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1700	0	1600	ug/Kg	94		6		70 (79)	130 (107)	30 (20)
2-Methylphenol	1700	0	1600	ug/Kg	94		0		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1700	0	1700	ug/Kg	100		0		70 (65)	130 (110)	30 (20)
Acetophenone	1700	0	1600	ug/Kg	94		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1700	0	1600	ug/Kg	94		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1700	0	1600	ug/Kg	94		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1700	0	1500	ug/Kg	88		7		20 (65)	160 (117)	30 (20)
Nitrobenzene	1700	0	1500	ug/Kg	88		0		70 (70)	130 (119)	30 (20)
Isophorone	1700	0	1600	ug/Kg	94		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1700	0	1700	ug/Kg	100		6		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1700	0	1900	ug/Kg	112		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1700	0	1600	ug/Kg	94		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1700	0	1600	ug/Kg	94		0		70 (72)	130 (118)	30 (20)
Naphthalene	1700	0	1600	ug/Kg	94		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1700	0	680	ug/Kg	40	*	0		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1700	0	1500	ug/Kg	88		0		70 (66)	130 (114)	30 (20)
Caprolactam	1700	0	1700	ug/Kg	100		6		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1700	0	1600	ug/Kg	94		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1700	0	1600	ug/Kg	94		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3400	0	4700	ug/Kg	138		0		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1700	0	1700	ug/Kg	100		6		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1700	0	1600	ug/Kg	94		6		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1700	0	1600	ug/Kg	94		0		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1700	0	1600	ug/Kg	94		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1700	0	1600	ug/Kg	94		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1700	0	1700	ug/Kg	100		6		70 (70)	130 (113)	30 (20)
Acenaphthylene	1700	0	1700	ug/Kg	100		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1700	0	1600	ug/Kg	94		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1700	0	970	ug/Kg	57	*	4		70 (30)	130 (99)	30 (20)
Acenaphthene	1700	0	1600	ug/Kg	94		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3400	0	3200	ug/Kg	94		7		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3400	0	3700	ug/Kg	109		3		20 (45)	160 (133)	30 (20)
Dibenzofuran	1700	0	1700	ug/Kg	100		6		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1700	0	1600	ug/Kg	94		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1700	0	1600	ug/Kg	94		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1700	0	1600	ug/Kg	94		0		70 (71)	130 (108)	30 (20)
Fluorene	1700	0	1600	ug/Kg	94		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1700	0	1600	ug/Kg	94		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1700	0	1800	ug/Kg	106		6		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1700	0	1700	ug/Kg	100		6		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1700	0	1600	ug/Kg	94		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1700	0	1600	ug/Kg	94		0		70 (67)	130 (118)	30 (20)
Atrazine	1700	0	2000	ug/Kg	118		5		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3400	0	3600	ug/Kg	106		6		20 (47)	160 (128)	30 (20)
Phenanthrene	1700	0	1700	ug/Kg	100		0		70 (52)	130 (128)	30 (20)
Anthracene	1700	0	1800	ug/Kg	106		6		70 (62)	130 (124)	30 (20)
Carbazole	1700	0	1700	ug/Kg	100		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1700	0	1700	ug/Kg	100		0		70 (69)	130 (118)	30 (20)
Fluoranthene	1700	0	1600	ug/Kg	94		0		70 (44)	130 (125)	30 (20)
Pyrene	1700	0	1800	ug/Kg	106		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1700	0	1900	ug/Kg	112		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1700	0	1200	ug/Kg	71		9		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1700	0	1700	ug/Kg	100		0		70 (71)	130 (114)	30 (20)
Chrysene	1700	0	1600	ug/Kg	94		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1700	0	2000	ug/Kg	118		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1700	0	1900	ug/Kg	112		5		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1700	0	1500	ug/Kg	88		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1700	0	1700	ug/Kg	100		6		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1700	0	1800	ug/Kg	106		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1700	0	1600	ug/Kg	94		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1700	0	1600	ug/Kg	94		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1700	0	1300	ug/Kg	76		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1700	0	1600	ug/Kg	94		0		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1700	0	1500	ug/Kg	88		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1700	0	1800	ug/Kg	106		6		70 (69)	130 (112)	30 (20)