

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032

Analytical Method: SW8270E

Client: Zuccaro Inc.

DataFile: BG064310.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3032-01MS		Client Sample ID: SOIL-PILE-1MS									
Benzaldehyde	2000	0	1300	ug/Kg	65				20 (10)	160 (171)	
Phenol	2000	0	1800	ug/Kg	90				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	2000	0	1500	ug/Kg	75				70 (54)	130 (125)	
2-Chlorophenol	2000	0	1800	ug/Kg	90				70 (51)	130 (121)	
2-Methylphenol	2000	0	1700	ug/Kg	85				70 (47)	130 (125)	
2,2-oxybis(1-Chloropropane)	2000	0	1300	ug/Kg	65	*			70 (46)	130 (119)	
Acetophenone	2000	0	1900	ug/Kg	95				70 (55)	130 (128)	
3+4-Methylphenols	2000	0	1600	ug/Kg	80				20 (49)	160 (125)	
N-Nitroso-di-n-propylamine	2000	0	1500	ug/Kg	75				70 (59)	130 (119)	
Hexachloroethane	2000	0	1800	ug/Kg	90				20 (51)	160 (116)	
Nitrobenzene	2000	0	1700	ug/Kg	85				70 (47)	130 (124)	
Isophorone	2000	0	1600	ug/Kg	80				70 (49)	130 (127)	
2-Nitrophenol	2000	0	1900	ug/Kg	95				70 (43)	130 (131)	
2,4-Dimethylphenol	2000	0	2000	ug/Kg	100				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	2000	0	1600	ug/Kg	80				70 (51)	130 (119)	
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95				70 (50)	130 (122)	
Naphthalene	2000	0	1800	ug/Kg	90				70 (51)	130 (121)	
4-Chloroaniline	2000	0	590	ug/Kg	29	*			70 (10)	130 (100)	
Hexachlorobutadiene	2000	0	2000	ug/Kg	100				70 (44)	130 (126)	
Caprolactam	2000	0	1500	ug/Kg	75				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2000	0	1800	ug/Kg	90				70 (57)	130 (132)	
2-Methylnaphthalene	2000	0	1600	ug/Kg	80				70 (59)	130 (123)	
Hexachlorocyclopentadiene	4000	0	5100	ug/Kg	128				20 (10)	160 (175)	
2,4,6-Trichlorophenol	2000	0	1900	ug/Kg	95				70 (33)	130 (141)	
2,4,5-Trichlorophenol	2000	0	2000	ug/Kg	100				70 (38)	130 (135)	
1,1-Biphenyl	2000	0	1900	ug/Kg	95				70 (55)	130 (131)	
2-Chloronaphthalene	2000	0	1800	ug/Kg	90				70 (48)	130 (124)	
2-Nitroaniline	2000	0	1800	ug/Kg	90				70 (47)	130 (134)	
Dimethylphthalate	2000	0	1600	ug/Kg	80				70 (54)	130 (120)	
Acenaphthylene	2000	0	2000	ug/Kg	100				70 (57)	130 (125)	
2,6-Dinitrotoluene	2000	0	2000	ug/Kg	100				70 (48)	130 (127)	
3-Nitroaniline	2000	0	1000	ug/Kg	50	*			70 (10)	130 (112)	
Acenaphthene	2000	0	1700	ug/Kg	85				70 (70)	130 (121)	
2,4-Dinitrophenol	4000	0	3500	ug/Kg	88				20 (10)	160 (155)	
4-Nitrophenol	4000	0	3900	ug/Kg	98				20 (10)	160 (175)	
Dibenzofuran	2000	0	1800	ug/Kg	90				70 (52)	130 (114)	
2,4-Dinitrotoluene	2000	0	2000	ug/Kg	100				70 (41)	130 (140)	
Diethylphthalate	2000	0	1700	ug/Kg	85				70 (51)	130 (119)	
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90				70 (48)	130 (122)	
Fluorene	2000	0	1800	ug/Kg	90				70 (53)	130 (118)	
4-Nitroaniline	2000	0	1800	ug/Kg	90				70 (29)	130 (140)	
4,6-Dinitro-2-methylphenol	2000	0	1900	ug/Kg	95				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2000	0	1800	ug/Kg	90				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2000	0	1900	ug/Kg	95				70 (65)	130 (121)	
Hexachlorobenzene	2000	0	2000	ug/Kg	100				70 (67)	130 (118)	
Atrazine	2000	0	2000	ug/Kg	100				70 (45)	130 (175)	

() = LABORATORY INHOUSE LIMIT

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Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	4000	0	4400	ug/Kg	110				20 (13)	160 (153)	
Phenanthrene	2000	0	1900	ug/Kg	95				70 (52)	130 (128)	
Anthracene	2000	0	1900	ug/Kg	95				70 (62)	130 (124)	
Carbazole	2000	0	1900	ug/Kg	95				70 (59)	130 (119)	
Di-n-butylphthalate	2000	0	1900	ug/Kg	95				70 (55)	130 (125)	
Fluoranthene	2000	130	2000	ug/Kg	94				70 (44)	130 (125)	
Pyrene	2000	92.7	1800	ug/Kg	85				70 (37)	130 (122)	
Butylbenzylphthalate	2000	0	1900	ug/Kg	95				70 (44)	130 (135)	
3,3-Dichlorobenzidine	2000	0	840	ug/Kg	42	*			70 (15)	130 (112)	
Benzo(a)anthracene	2000	0	1900	ug/Kg	95				70 (53)	130 (119)	
Chrysene	2000	0	1800	ug/Kg	90				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2000	0	1800	ug/Kg	90				70 (42)	130 (169)	
Di-n-octyl phthalate	2000	0	1800	ug/Kg	90				70 (51)	130 (156)	
Benzo(b)fluoranthene	2000	0	1900	ug/Kg	95				70 (52)	130 (117)	
Benzo(k)fluoranthene	2000	0	1900	ug/Kg	95				70 (57)	130 (134)	
Benzo(a)pyrene	2000	0	2000	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2000	0	1900	ug/Kg	95				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2000	0	1900	ug/Kg	95				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2000	0	1900	ug/Kg	95				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2000	0	2200	ug/Kg	110				70 (52)	130 (134)	
1,4-Dioxane	2000	0	1400	ug/Kg	70				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2000	0	2100	ug/Kg	105				70 (24)	130 (146)	