

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3032

Analytical Method: SW8270E

Client: Zuccaro Inc.

DataFile: BG064311.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3032-01MSD		Client Sample ID: SOIL-PILE-1MSD									
Benzaldehyde	2000	0	1300	ug/Kg	65		0		20 (10)	160 (171)	30 (20)
Phenol	2000	0	1700	ug/Kg	85		6		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	2000	0	1500	ug/Kg	75		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2000	0	1800	ug/Kg	90		0		70 (51)	130 (121)	30 (20)
2-Methylphenol	2000	0	1600	ug/Kg	80		6		70 (47)	130 (125)	30 (20)
2,2-oxybis(1-Chloropropane)	2000	0	1300	ug/Kg	65	*	0		70 (46)	130 (119)	30 (20)
Acetophenone	2000	0	1900	ug/Kg	95		0		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	2000	0	1600	ug/Kg	80		0		20 (49)	160 (125)	30 (20)
N-Nitroso-di-n-propylamine	2000	0	1500	ug/Kg	75		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2000	0	1800	ug/Kg	90		0		20 (51)	160 (116)	30 (20)
Nitrobenzene	2000	0	1700	ug/Kg	85		0		70 (47)	130 (124)	30 (20)
Isophorone	2000	0	1500	ug/Kg	75		6		70 (49)	130 (127)	30 (20)
2-Nitrophenol	2000	0	1900	ug/Kg	95		0		70 (43)	130 (131)	30 (20)
2,4-Dimethylphenol	2000	0	1900	ug/Kg	95		5		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	2000	0	1500	ug/Kg	75		6		70 (51)	130 (119)	30 (20)
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95		0		70 (50)	130 (122)	30 (20)
Naphthalene	2000	0	1700	ug/Kg	85		6		70 (51)	130 (121)	30 (20)
4-Chloroaniline	2000	0	630	ug/Kg	32	*	10		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	2000	0	2100	ug/Kg	105		5		70 (44)	130 (126)	30 (20)
Caprolactam	2000	0	1600	ug/Kg	80		6		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2000	0	1800	ug/Kg	90		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2000	0	1600	ug/Kg	80		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	4000	0	4900	ug/Kg	123		4		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2000	0	2000	ug/Kg	100		5		70 (33)	130 (141)	30 (20)
2,4,5-Trichlorophenol	2000	0	2000	ug/Kg	100		0		70 (38)	130 (135)	30 (20)
1,1-Biphenyl	2000	0	2000	ug/Kg	100		5		70 (55)	130 (131)	30 (20)
2-Chloronaphthalene	2000	0	1800	ug/Kg	90		0		70 (48)	130 (124)	30 (20)
2-Nitroaniline	2000	0	1900	ug/Kg	95		5		70 (47)	130 (134)	30 (20)
Dimethylphthalate	2000	0	1700	ug/Kg	85		6		70 (54)	130 (120)	30 (20)
Acenaphthylene	2000	0	2000	ug/Kg	100		0		70 (57)	130 (125)	30 (20)
2,6-Dinitrotoluene	2000	0	2000	ug/Kg	100		0		70 (48)	130 (127)	30 (20)
3-Nitroaniline	2000	0	1100	ug/Kg	55	*	10		70 (10)	130 (112)	30 (20)
Acenaphthene	2000	0	1700	ug/Kg	85		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	4000	0	3200	ug/Kg	80		10		20 (10)	160 (155)	30 (20)
4-Nitrophenol	4000	0	3900	ug/Kg	98		0		20 (10)	160 (175)	30 (20)
Dibenzofuran	2000	0	1800	ug/Kg	90		0		70 (52)	130 (114)	30 (20)
2,4-Dinitrotoluene	2000	0	2000	ug/Kg	100		0		70 (41)	130 (140)	30 (20)
Diethylphthalate	2000	0	1700	ug/Kg	85		0		70 (51)	130 (119)	30 (20)
4-Chlorophenyl-phenylether	2000	0	1900	ug/Kg	95		5		70 (48)	130 (122)	30 (20)
Fluorene	2000	0	1800	ug/Kg	90		0		70 (53)	130 (118)	30 (20)
4-Nitroaniline	2000	0	1700	ug/Kg	85		6		70 (29)	130 (140)	30 (20)
4,6-Dinitro-2-methylphenol	2000	0	1800	ug/Kg	90		5		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2000	0	1700	ug/Kg	85		6		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2000	0	1900	ug/Kg	95		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2000	0	1900	ug/Kg	95		5		70 (67)	130 (118)	30 (20)
Atrazine	2000	0	1900	ug/Kg	95		5		70 (45)	130 (175)	30 (20)

() = LABORATORY INHOUSE LIMIT

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Pentachlorophenol	4000	0	4400	ug/Kg	110		0		20 (13)	160 (153)	30 (20)
Phenanthrene	2000	0	1800	ug/Kg	90		5		70 (52)	130 (128)	30 (20)
Anthracene	2000	0	1800	ug/Kg	90		5		70 (62)	130 (124)	30 (20)
Carbazole	2000	0	1800	ug/Kg	90		5		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2000	0	1800	ug/Kg	90		5		70 (55)	130 (125)	30 (20)
Fluoranthene	2000	130	1900	ug/Kg	89		5		70 (44)	130 (125)	30 (20)
Pyrene	2000	92.7	1800	ug/Kg	85		0		70 (37)	130 (122)	30 (20)
Butylbenzylphthalate	2000	0	1900	ug/Kg	95		0		70 (44)	130 (135)	30 (20)
3,3-Dichlorobenzidine	2000	0	850	ug/Kg	43	*	2		70 (15)	130 (112)	30 (20)
Benzo(a)anthracene	2000	0	1900	ug/Kg	95		0		70 (53)	130 (119)	30 (20)
Chrysene	2000	0	1800	ug/Kg	90		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2000	0	1800	ug/Kg	90		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2000	0	1800	ug/Kg	90		0		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	2000	0	1800	ug/Kg	90		5		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	2000	0	1900	ug/Kg	95		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2000	0	1900	ug/Kg	95		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2000	0	1900	ug/Kg	95		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2000	0	1900	ug/Kg	95		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2000	0	1900	ug/Kg	95		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2000	0	2200	ug/Kg	110		0		70 (52)	130 (134)	30 (20)
1,4-Dioxane	2000	0	1400	ug/Kg	70		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2000	0	2100	ug/Kg	105		0		70 (24)	130 (146)	30 (20)