284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1216

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1215-03MSD		**Client Sample ID: JPP-29.1-012825MSD**						**DataFile: BF141574.D**			
Benzaldehyde	1900	0	2200	ug/Kg	116	*	0		10	86	20
Phenol	1900	0	1600	ug/Kg	84		6		67	126	20
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95		0		54	125	20
2-Chlorophenol	1900	0	1700	ug/Kg	89		0		79	107	20
2-Methylphenol	1900	0	1600	ug/Kg	84		6		66	122	20
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89		0		65	110	20
Acetophenone	1900	0	1800	ug/Kg	95		10		75	111	20
3+4-Methylphenols	1900	0	1600	ug/Kg	84		6		66	104	20
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89		0		59	119	20
Hexachloroethane	1900	0	1700	ug/Kg	89		0		65	117	20
Nitrobenzene	1900	0	1700	ug/Kg	89		0		70	119	20
Isophorone	1900	0	1700	ug/Kg	89		12		76	122	20
2-Nitrophenol	1900	0	1700	ug/Kg	89		7		54	145	20
2,4-Dimethylphenol	1900	0	2100	ug/Kg	111		4		44	135	20
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89		7		68	112	20
2,4-Dichlorophenol	1900	0	1600	ug/Kg	84		6		72	118	20
Naphthalene	1900	0	1700	ug/Kg	89		7		72	110	20
4-Chloroaniline	1900	0	350	ug/Kg	18		11		10	91	20
Hexachlorobutadiene	1900	0	1700	ug/Kg	89		12		66	114	20
Caprolactam	1900	0	1800	ug/Kg	95		5		51	134	20
4-Chloro-3-methylphenol	1900	0	1500	ug/Kg	79		6		57	132	20
2-Methylnaphthalene	1900	0	1600	ug/Kg	84		6		59	123	20
Hexachlorocyclopentadiene	3700	0	1800	ug/Kg	49		15		10	175	20
2,4,6-Trichlorophenol	1900	0	1700	ug/Kg	89		7		72	117	20
2,4,5-Trichlorophenol	1900	0	1600	ug/Kg	84		6		72	117	20
1,1-Biphenyl	1900	0	1900	ug/Kg	100		5		75	113	20
2-Chloronaphthalene	1900	0	1700	ug/Kg	89		7		67	118	20
2-Nitroaniline	1900	0	1700	ug/Kg	89		7		69	127	20
Dimethylphthalate	1900	0	1700	ug/Kg	89		7		70	113	20
Acenaphthylene	1900	0	1700	ug/Kg	89		7		79	118	20
2,6-Dinitrotoluene	1900	0	1600	ug/Kg	84		12		70	125	20
3-Nitroaniline	1900	0	800	ug/Kg	42		2		30	99	20
Acenaphthene	1900	110	1700	ug/Kg	84		6		70	121	20
2,4-Dinitrophenol	3700	0	1600	ug/Kg	43		17		10	155	20
4-Nitrophenol	3700	0	3000	ug/Kg	81		6		45	133	20
Dibenzofuran	1900	0	1600	ug/Kg	84		6		72	110	20
2,4-Dinitrotoluene	1900	0	1600	ug/Kg	84		6		55	128	20
Diethylphthalate	1900	0	1600	ug/Kg	84		6		70	112	20
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84		6		71	108	20
Fluorene	1900	0	1600	ug/Kg	84		6		68	116	20
4-Nitroaniline	1900	0	1200	ug/Kg	63		8		55	120	20
4,6-Dinitro-2-methylphenol	1900	0	1000	ug/Kg	53		17		10	160	20
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100		5		73	118	20
4-Bromophenyl-phenylether	1900	0	1800	ug/Kg	95		5		65	121	20
Hexachlorobenzene	1900	0	1700	ug/Kg	89		12		67	118	20
Atrazine	1900	0	2300	ug/Kg	121		9		79	127	20

Alliance TECHNICAL GROUP
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Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3700	0	3000	ug/Kg	81		4		47	128	20
Phenanthrene	1900	1100	2500	ug/Kg	74		13		52	128	20
Anthracene	1900	260	1900	ug/Kg	86		7		62	124	20
Carbazole	1900	0	1700	ug/Kg	89		7		59	119	20
Di-n-butylphthalate	1900	0	1800	ug/Kg	95		5		69	118	20
Fluoranthene	1900	2100	3100	ug/Kg	53		17		44	125	20
Pyrene	1900	1700	2700	ug/Kg	53		17		26	142	20
Butylbenzylphthalate	1900	0	1700	ug/Kg	89		12		64	126	20
3,3-Dichlorobenzidine	1900	0	1300	ug/Kg	68		8		33	116	20
Benzo(a)anthracene	1900	1200	2700	ug/Kg	79		6		71	114	20
Chrysene	1900	1000	2500	ug/Kg	79		6		57	121	20
bis(2-Ethylhexyl)phthalate	1900	0	2100	ug/Kg	111		4		42	169	20
Di-n-octyl phthalate	1900	0	2500	ug/Kg	132		7		23	175	20
Benzo(b)fluoranthene	1900	1400	2800	ug/Kg	74		7		67	121	20
Benzo(k)fluoranthene	1900	530	1900	ug/Kg	72		20		57	134	20
Benzo(a)pyrene	1900	1300	2700	ug/Kg	74		7		70	142	20
Indeno(1,2,3-cd)pyrene	1900	550	1800	ug/Kg	66		7		40	129	20
Dibenz(a,h)anthracene	1900	180	1500	ug/Kg	69		8		43	123	20
Benzo(g,h,i)perylene	1900	620	1700	ug/Kg	57		8		24	125	20
1,2,4,5-Tetrachlorobenzene	1900	0	1900	ug/Kg	100		5		69	124	20
1,4-Dioxane	1900	0	1900	ug/Kg	100		5		46	112	20
2,3,4,6-Tetrachlorophenol	1900	0	1500	ug/Kg	79		6		69	112	20