

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Alliance Technical Group, LLC - Newark</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q1872</u>	SAS No : <u>Q1872</u> SDG No: <u>Q1872</u>
Sample No :	<u>Q1901-04MSD</u>	Datafile:	<u>FD049331.D</u>	Client ID : <u>B-167-SB02MSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	12.5	0.51	9.49	72		1.12 (40-140)	50
Aromatic C12-C16	18.8	0.65	16.9	87		0.46 (40-140)	50
Aromatic C16-C21	31.3	3.65	35.0	100		0 (40-140)	50
Aromatic C21-C36	50.0	3.46	53.4	100		4.29 (40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
1,2,3-Trimethylbenzene (C10.1)	6.3	0.0291	4.3758	69		1.44 (40-140)	50
Naphthalene (C11.7)	6.3	0.0358	4.5859	72		1.38 (40-140)	50
2-Methylnaphthalene (C12.89)	6.3	0.0303	4.6674	74		0 (40-140)	50
Acenaphthylene (C15.06)	6.3	0.0242	5.1461	81		2.44 (40-140)	50
Acenaphthene (C15.5)	6.3	0.0468	5.4062	85		2.33 (40-140)	50
Fluorene (C16.55)	6.3	0.0244	5.6961	90		2.2 (40-140)	50
Phenanthrene (C19.36)	6.3	0.0240	5.7825	91		2.17 (40-140)	50
Anthracene (C19.43)	6.3	0.0216	6.4000	101		1.96 (40-140)	50
Pyrene (C20.8)	6.3	0.0348	5.6175	89		1.12 (40-140)	50
Fluoranthene (C21.85)	6.3	0.0645	5.8103	91		2.17 (40-140)	50
Benzo[a]anthracene (C26.37)	6.3	0.0607	12.5946	199	*	68.92 (40-140)	50
Chrysene (C27.41)	6.3	0.0722	12.3606	195	*	0.51 (40-140)	50
Benzo[k]fluoranthene (C30.14)	6.3	0.0513	11.5707	183	*	0 (40-140)	50
Dibenz[a,h]anthracene (C30.36)	6.3	0.1480	12.7753	200	*	0 (40-140)	50
benzo[b]fluoranthene (C30.41)	6.3	0.0504	11.3684	180	*	0 (40-140)	50
Benzo[a]pyrene (C31.34)	6.3	0.0408	5.7695	91		1.1 (40-140)	50
Benzo[g,h,i]perylene (C34.01)	6.3	0.0554	5.5617	87		0 (40-140)	50
Indeno[1,2,3-cd]pyrene (C35.01)	6.3	0.4633	12.2947	188	*	0.53 (40-140)	50