

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick Engineers</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3586</u>
Sample No :	<u>Q3586-03MSD</u>	Datafile:	<u>FG016961.D</u>
		Client ID :	<u>SED-3MSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C9-C12	19.6	0.38	9.47	46		1.29 (40-140)	50
Aliphatic C12-C16	13.1	0.34	8.48	62		0.96 (40-140)	50
Aliphatic C16-C21	19.6	0.45	13.7	68		1.47 (40-140)	50
Aliphatic C21-C28	26.2	1.28	16.9	60		1.99 (40-140)	50
Aliphatic C28-C40	39.3	4.64	26.7	56		0.89 (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
n-Nonane (C9)	6.5	0.0085	2.5740	39	*	2.53 (40-140)	50
n-Decane (C10)	6.5	0.0231	3.0639	47		0 (40-140)	50
Naphthalene (C11.7)	6.5	0.0100	0.0104	0	*	0 (40-140)	50
n-Dodecane (C12)	6.5	0.0412	3.4272	52		1.9 (40-140)	50
2-methylnaphthalene (C12.89)	6.5	0.0167	0.0160	0	*	0 (40-140)	50
n-Tetradecane (C14)	6.5	0.0387	3.8167	58		1.71 (40-140)	50
n-Hexadecane (C16)	6.5	0.0242	4.2067	64		1.55 (40-140)	50
n-Octadecane (C18)	6.5	0.0460	4.3541	66		1.5 (40-140)	50
n-Eicosane (C20)	6.5	0.0478	4.4893	68		1.46 (40-140)	50
n-Heneicosane (C21)	6.5	0.0828	4.5310	68		2.9 (40-140)	50
n-Docosane (C22)	6.5	0.1224	4.4342	66		1.5 (40-140)	50
n-Tetracosane (C24)	6.6	0.0998	4.1979	62		1.6 (40-140)	50
n-Hexacosane (C26)	6.5	0.1113	4.0650	61		1.63 (40-140)	50
n-Octacosane (C28)	6.5	0.1280	3.8824	58		1.71 (40-140)	50
n-Tricontane (C30)	6.5	0.1491	3.5522	52		1.9 (40-140)	50
n-Dotriacontane (C32)	6.5	0.1422	3.4580	51		1.94 (40-140)	50
n-Tetratriacontane (C34)	6.5	0.1643	3.7474	55		1.8 (40-140)	50
n-Hexatriacontane (C36)	6.5	0.2172	4.4555	65		1.53 (40-140)	50
n-Octatriacontane (C38)	6.5	0.2855	4.9740	72		5.41 (40-140)	50
n-Tetracontane (C40)	6.5	0.0888	4.9568	75		1.32 (40-140)	50