MAPEP Mixed Analyte Performance Evaluation Program

Sample Statistical Summary

MAPEP-11-OrS25

Analyte	T(1)	A(2)	Calc(3) Mean	Std Dev	Ref Value	Ref Unc	Acceptance Range
Organic							Units: (ug/kg)
4,4'-DDD	11	11	425.7	80.4	425.7	27.4	184.5 - 667.0
4,4'-DDE	10	10					
4,4'-DDT	11	11	389.2	90.0	389.2	28.0	119.4 - 659.1
Aldrin	11	11	376.4	78.0	376.4	26.6	142.3 - 610.6
alpha Chlordane	10	10					
alpha-BHC	10	10					
beta-BHC	10	10					
delta-BHC	10	10					
Dieldrin	11	11	166.8	34.3	166.8	7.8	63.9 - 269.7
Endosulfan I	10	10					
Endosulfan II	10	10					
Endosulfan sulfate	11	11	81.8	21.8	81.8	6.4	16.3 - 147.2
Endrin	11	11	250.0	43.0	250.0	17.6	120.9 - 379.2
Endrin Aldehyde	10	9					
Endrin Ketone	10	10					
gamma Chlordane	10	10					
gamma-BHC (Lindane)	10	10					
Heptachlor	11	11	155.2	33.5	155.2	11.4	54.8 - 255.5
Heptachlor epoxide	10	10					
Methoxychlor	11	11	197.2	59.2	197.2	16.6	19.7 - 374.9
1,2,4-Trichlorobenzene	16	16	1355	378	1355	77	221 - 2488
1,2-Dichlorobenzene	13	13					
1,3-Dichlorobenzene	16	16	1243	614	1243	124	124 - 3086
1,3-Dinitrobenzene	4	4					
1,4-Dichlorobenzene	16	16	1148	552	1148	113	115 - 2805
2,4,5-Trichlorophenol	13	13					
2,4,6-Trichlorophenol	13	13					
2,4-Dichlorophenol	13	13					
2,4-Dimethylphenol	14	14				263	
2,4-Dinitrophenol	15	11	2793	1535	2793	152	279 - 7397
2,4-Dinitrotoluene	16	15	5264	1322	5264	92	1298 - 9231
2,6-Dichlorophenol	9	9					
2,6-Dinitrotoluene	16	16	6690	1300	6690	100	2789 - 10591
2-Chloronaphthalene	16	16	3349	781	3349	108	1007 - 5692
2-Chlorophenol	16	16	2072	586	2072	114	314 - 3830
2-Methylnaphthalene	15	15	2690	692	2690	108	614 - 4767
2-Methylphenol	16	16	2765	841	2765	226	277 - 5288
2-Nitrophenol	13	13					
3-Methyl & 4-Methylphenol	16	16	3200	687	3200	189	1139 - 5261
4,6-Dinitro-2-methylphenol	16	15	2811	1340	2811	308	281 - 6830
4-Bromophenyl-phenylether	16	15	4407	901	4407	173	1705 - 7109
4-Chloro-3-methylphenol	13	13					
4-Chlorophenyl-phenylether	13	13					
4-Nitrophenol	13	13					
Acenaphthene	16	16	5781	1203	5781	138	2172 - 9390
Acenaphthylene	16	16	2445	577	2445	58	715 - 4175
Anthracene	13	13					
Benzo(a)anthracene	16	15	1081	246	1081	23	343 - 1819
Benzo(a)pyrene	13	13					
Benzo(b)fluoranthene	13	13					

Benzo(g,h,i)perylene	16	16	2962	720	2962	228	801 - 5123
Benzo(k)fluoranthene	13	13					
bis(2-chloroethoxy)methane	16	16	3971	966	3971	117	1072 - 6870
bis(2-chloroethyl)ether	16	16	3671	1038	3671	429	558 - 6785
bis(2-chloroisopropyl)ether	13	13					
Bis(2-ethylhexyl)phthalate	16	15	8156	1821	8156	475	2694 - 13618
Butylbenzylphthalate	16	16	7891	1893	7891	516	2211 - 13570
Chrysene	16	15	1855	396	1855	43	666 - 3044
Di-n-butylphthalate	16	15	3577	883	3577	192	928 - 6226
Di-n-octylphthalate	16	16	2877	781	2877	156	534 - 5220
Dibenzo(a,h)anthracene	13	13					
Dibenzofuran	15	14	4033	865	4033	73	1438 - 6627
Diethylphthalate	16	15	5090	1231	5090	180	1398 - 8783
Dimethylphthalate	13	13					
Fluoranthene	13	13					
Fluorene	16	15	2705	572	2705	48	989 - 4421
Hexachlorobenzene	16	15	3415	693	3415	28	1337 - 5493
Hexachlorobutadiene	13	13					
Hexachlorocyclopentadiene	13	13					
Hexachloroethane	16	16	934	421	934	104	93 - 2198
Indeno(1,2,3-c,d)pyrene	13	13					
Isophorone	13	13					
Naphthalene	16	16	1304	349	1304	73	256 - 2352
Nitrobenzene	16	16	3805	985	3805	183	849 - 6761
Pentachlorophenol	13	13					
Phenanthrene	16	15	1886	422	1886	25	619 - 3153
Phenol	16	16	2861	820	2861	86	400 - 5322
Pyrene	13	13					

Note: (1) T = Total number of laboratories reporting analyte.
(2) A = Number of laboratories with 'Acceptable' performance.
(3) Mean excludes values derived as total metals and values indicated as "Not Acceptable".

NOTE: The spiking solution used to create the MAPEP OrS standard was prepared and validated by RESL Chemists.

Criteria based on FoPT Table for SCM - Jan 2007

A = Result acceptable Z-score <=3.0
N = Result not acceptable Z-score > 3.0
W = Check reported result for error.
NR = Not Reported