MAPEP Mixed Analyte Performance Evaluation Program

Sample Statistical Summary

MAPEP-12-OrS27

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	197	42	197	1	72 - 322
4,4'-DDE	11	11	184	38	184	2	70 - 297
4,4'-DDT	10	10			<50		
Aldrin	10	10			<50		
alpha Chlordane	9	9			<50		
alpha-BHC	11	11	313	66	313	2	115 - 511
beta-BHC	11	11	315	78	315	6	80 - 550
delta-BHC	10	10			<50		
Dieldrin	10	10			<50		
Endosulfan I	11	11	163	35	163	4	59 - 268
Endosulfan II	11	11	171	38	171	2	57 - 284
Endosulfan sulfate	11	11	502	121	502	2	139 - 865
Endrin	10	10			<50		
Endrin Aldehyde	10	9	175	50	175	3	23 - 326
Endrin Ketone	9	9			<50		
gamma Chlordane	9	9			<50		
gamma-BHC (Lindane)	10	10			<50		
Heptachlor	11	11	262	56	262	2	95 - 428
Heptachlor epoxide	10	10			<50		
Methoxychlor	10	10			<50		
1,2,4-Trichlorobenzene	15	15	1779	476	1779	47	351 - 3208
1,2-Dichlorobenzene	13	13			<1500		
1,3-Dichlorobenzene	15	15	1806	664	1806	50	181 - 3799
1,4-Dichlorobenzene	15	15	1339	463	1339	37	134 - 2728
2,4,5-Trichlorophenol	15	15	1892	515	1892	87	347 - 3437
2,4,6-Trichlorophenol	15	15	1994	558	1994	57	321 - 3668
2,4-Dichlorophenol	15	15	3952	1017	3952	100	902 - 7003
2,4-Dinitrophenol	13	13			<600		
2,4-Dinitrotoluene	15	15	3083	836	3083	130	574 - 5592
2,6-Dinitrotoluene	15	15	4861	975	4861	157	1936 - 7787
2-Chloronaphthalene	13	13			<1000		
2-Chlorophenol	15	15	2962	789	2962	80	596 - 5329
2-Methylnaphthalene	13	13			<1000		
2-Methylphenol	14	14	747	332	747	103	75 - 1744
2-Nitrophenol	13	13			<1000		
4-Bromophenyl-phenylether	15	15	4274	874	4274	93	1652 - 6896
4-Chloro-3-methylphenol	15	15	1881	520	1881	98	321 - 3440
4-Chlorophenyl-phenylether	15	15	5002	1077	5002	157	1770 - 8234
4-Methylphenol	12	12			<1000		
4-Nitrophenol	13	13			<1000		
Acenaphthene	13	13			<1000		
Acenaphthylene	13	13			<1000		
Anthracene	15	15	2099	499	2099	47	602 - 3596
Benzo(a)anthracene	15	15	1161	261	1161	33	379 - 1943
Benzo(a)pyrene	13	13			<1000		
Benzo(b)fluoranthene	13	13			<1000		
Benzo(g,h,i)perylene	13	13			<1000		
Benzo(k)fluoranthene	13	13			<1000		
bis(2-chloroethoxy)methane	15	15	2149	552	2149	47	493 - 3806
bis(2-chloroethyl)ether	15	15	1478	493	1478	30	148 - 2956

bis(2-chloroisopropyl)ether	12	12			<1500		
Bis(2-ethylhexyl)phthalate	13	9			<1500		
Butylbenzylphthalate	15	15	3537	852	3537	153	981 - 6094
Chrysene	14	13			<1000		
Di-n-butylphthalate	15	15	2092	566	2092	60	394 - 3790
Di-n-octylphthalate	13	13			<1500		
Dibenzo(a,h)anthracene	13	13			<1000		
Dibenzofuran	13	13			<1500		
Diethylphthalate	15	15	2159	564	2159	60	467 - 3852
Dimethylphthalate	15	15	4221	915	4221	107	1476 - 6967
Fluoranthene	15	15	2521	509	2521	53	995 - 4048
Fluorene	13	13			<1000		
Hexachlorobenzene	15	15	1333	284	1333	37	481 - 2184
Hexachlorobutadiene	15	15	1626	457	1626	43	255 - 2996
Hexachloroethane	15	15	2691	906	2691	37	269 - 5410
Indeno(1,2,3-c,d)pyrene	13	13			<1000		
Isophorone	15	15	3054	696	3054	67	967 - 5141
Naphthalene	15	15	3932	928	3932	127	1148 - 6716
Nitrobenzene	15	15	4287	1094	4287	83	1006 - 7568
Pentachlorophenol	15	15	2011	829	2011	209	201 - 4497
Phenanthrene	13	13			<1000		
Phenol	13	13			<1000		
Pyrene	15	15	1067	231	1067	23	373 - 1760

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 3, 2012

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