Mixed Analyte Performance Evaluation Program

Statistical Summary

Sample ID: MAPEP-00-W8

Analyte	T(1)	A(2)	Grand Mean	Std. Dev.	Reference Value	Analyte Text	Acceptance Limits	Units
Antimony	41	41	0.47	0.03	0.476		0.33 - 0.62	(mg/L)
Arsenic	37	37	0.09	0.01	0.095		0.07 - 0.12	(mg/L)
Barium	22	22				Not Added		(mg/L)
Beryllium	40	40	0.28	0.01	0.286		0.20 - 0.37	(mg/L)
Cadmium	44	42	0.37	0.02	0.381		0.27 - 0.50	(mg/L)
Chromium	44	43	0.56	0.03	0.571		0.40 - 0.74	(mg/L)
Copper	41	41	1.22	0.05	1.238		0.87 - 1.61	(mg/L)
Lead	41	40	1.03	0.04	1.048		0.73 - 1.36	(mg/L)
Nickel	42	42	0.57	0.03	0.571		0.40 - 0.74	(mg/L)
Selenium	42	38	0.13	0.01	0.143		0.10 - 0.19	(mg/L)
Silver	40	27	0.17	0.02	0.157		0.11 - 0.20	(mg/L)
Thallium	20	20				Not Added		(mg/L)
Uranium-Total	4				0.0826		5.27 - 9.79	(mg/L)
Uranium-234	1	1			4.54E-06			
Uranium-238	2	2			0.082		5.24 - 9.72	(mg/L)
Vanadium	40	40	5.65	0.36	5.714		4.00 - 7.43	(mg/L)
Zinc	42	41	1.11	0.06	1.143		0.80 - 1.49	(mg/L)
Americium-241	34	31	1.06	0.08	1.06		0.74 - 1.38	(Bq/L)
Cesium-134	51	49	259.70	21.12	283		198.10 - 367.90	(Bq/L)
Cesium-137	52	51	91.07	4.52	94.4		66.08 - 122.72	(Bq/L)
Cobalt-57	51	49	94.57	6.25	95.5		66.85 - 124.15	(Bq/L)
Cobalt-60	48	39	2.40	0.20	2.19	Sensitivity Eval.	1.53 - 2.85	(Bq/L)
Iron-55	7	6	106.03	16.84	127		88.90 - 165.10	(Bq/L)
Manganese-54	46	44	3.07	0.29	2.87	Sensitivity Eval.	2.01 - 3.73	(Bq/L)
Nickel-63	11	9	121.97	12.91	120		84.00 - 156.00	(Bq/L)
Plutonium-238	38	36	2.25	0.22	2.12		1.48 - 2.76	(Bq/L)
Plutonium-239/240	38	37	1.96	0.22	1.86		1.30 - 2.42	(Bq/L)
Strontium-90	29	17	2.62	10.62		False Positive		(Bq/L)
Uranium-234/233	42	42	1.00	0.08	0.99		0.69 - 1.29	(Bq/L)
Uranium-235	4		4.18	2.28				(Bq/L)
Uranium-238	42	41	1.02	0.07	1.02		0.71 - 1.33	(Bq/L)
Zinc-65	46	45	4.95	0.48	4.59	Sensitivity Eval.	3.21 - 5.97	(Bq/L)
1,3-Dichlorobenzene	21	21	34.02	11.19	34		0.47 - 67.56	(ug/L)

Note:

Outliers are excluded from the statistical summary.
Outliers are defied as laboratory data with a bias greater than 30 percent.
(1) T = Total Number of Laboratories Reporting Analyte.
(2) A = Number of Laboratories with 'Acceptable' Performance.
1. For organic components with absoute value of Z-score < 3
2. Acceptance range minimum labeled as "DL" means from the Detection Limit to the upper range.

Analyte	T(1)	A(2)	Grand Mean	Std. Dev.	Reference Value	Analyte Text	Acceptance Limits	Units
1,4-Dichlorobenzene	22	22	24.55	8.32	24.6		QL - 49.51	(ug/L)
Nitrobenzene	22	21	27.60	5.48	27.6		11.16 - 44.04	(ug/L)
2,4-Dimethylphenol	23	23	35.55	8.39	35.6		10.40 - 60.70	(ug/L)
1,2,4-Trichlorobenzene	22	22	23.05	6.98	23.1		2.12 - 43.99	(ug/L)
Naphthalene	23	23	33.87	9.08	33.9		6.63 - 61.10	(ug/L)
2,6-Dichlorophenol	13	12	50.20	4.85	50.2		35.65 - 64.75	(ug/L)
2-Nitroanaline	21	21	93.81	14.30	93.8		50.94 - 136.69	(ug/L)
2,6-Dinitrotoluene	22	22	88.89	13.67	88.9		47.89 - 129.89	(ug/L)
2,4-Dinitrotoluene	23	23	45.23	7.44	45.2		22.92 - 67.55	(ug/L)
4-Nitrophenol	20	19	51.05	25.26	51.1		QL - 126.80	(ug/L)
Diethylphthalate	22	22	37.49	8.29	37.5		12.63 - 62.34	(ug/L)
Anthracene	24	24	36.21	10.88	36.2		3.59 - 68.84	(ug/L)
1,3-Dinitrobenzene	8	8	50.54	6.64	50.5		30.61 - 70.46	(ug/L)
Pentachloronitrobenzene	7				42.4			(ug/L)
Di-n-butylphthalate	5							
Pyrene	23	23	25.09	7.86	25.1		1.53 - 48.66	(ug/L)
Benzo(a)anthracene	22	22	21.78	8.19	21.8		QL - 46.35	(ug/L)

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