

RESL CUSTOMER EXPORT CONTROL AGREEMENT

It is the Radiological and Environmental Sciences Laboratory's (RESL) policy to conduct business in accordance with all applicable U.S. export control laws and regulations. It is also RESL's policy that its Customers comply with U.S. export control laws and regulations. Therefore, Customer agrees to the following:

1. Because products, technical data, and technical assistance (i.e., services) provided to Customer by RESL may be subject to U.S. export control laws and regulations, (i) transactions with certain persons and companies and (ii) the export or reexport of certain types and levels of products, technical data, and services are prohibited or restricted.
2. Customer acknowledges that it is responsible for its own compliance with U.S. export control laws and regulations. Customer further agrees that it assumes the responsibility to obtain all necessary U.S. export licenses or other U.S. governmental authorizations, as well as all liability for the failure to do so.
3. Customer acknowledges that export control requirements may change and that the export or reexport of RESL products, technical data, and services without an export license or other appropriate governmental authorization may result in criminal and/or civil liability.
4. The obligations and requirements described herein shall survive the expiration or termination of any agreement or contract between RESL and Customer.

MaW54 Participating Laboratories

Lab Code	Lab Name	Matrix Code
ADEM01	Alabama Department of Environmental Management	MaW
ADFC99	Abu Dhabi Quality and Conformity Council-Central Testing Lab	MaW
AFOH01	USAFSAM/OEA	MaW
ALIN01	Anatek Labs Inc.	MaW
AMEC99	Amentum Clean Energy Ltd	MaW
ANLB01	Argonne National Laboratory	MaW
AREV01	Framatome - CMC	MaW
ARPL01	Analytical Support Operations - Radiochemical Processing Lab	MaW
ARSL01	ARS	MaW
AY1201	Consolidated Nuclear Security, LLC, ACO Laboratory	MaW
BSCE99	Supreme Council for Environment	MaW
BY1201	Consolidated Nuclear Security, LLC, ACO, Production Laboratory	MaW
CESL01	Lawrence Livermore National Laboratory - EMRL	MaW
CMRC01	Carlsbad Environmental Monitoring and Research Center	MaW
DEHS01	Department of Environmental Health & Safety	MaW
EFGS01	Eurofins Environment Testing Seattle	MaW
ELIW01	Energy Laboratories, Inc.	MaW
ERAD01	Lawrence Livermore National Laboratory	MaW
ERCL01	Washington State Public Health Laboratories	MaW
ERHD99	National Monitoring Section, Radiation Protection Bureau, Health Canada	MaW
ESDE01	Region 5 EQC Tritium Lab	MaW
ETTP01	MCLinc	MaW
EULC01	EnergySolutions, LLC	MaW
FANR79	Federal Authority for Nuclear Regulation, Environmental Laboratory	MaW
FDHE01	Florida Dept of Health Environmental Laboratory	MaW
FDOH01	Florida Dept. of Health, Mobile Environmental Radiological Lab	MaW
FNAL01	Fermi National Accelerator Laboratory (FermiLab)	MaW
GENE01	GEL Laboratories, LLC	MaW
GPCL01	Georgia Power Company Environmental Laboratory	MaW
HCAL01	Lawrence Livermore National Laboratory	MaW
HECR01	SC Department of Environmental Services	MaW
HPAC99	UKHSA, RCE Glasgow	MaW
IAEA20	IAEA Marine Environment Laboratories, Radiometrics Laboratory	MaW
IAEA99	International Atomic Energy Agency	MaW
HEMA01	Illinois Emergency Management Agency Radiochemistry Laboratory	MaW
ISUE01	ISU Environmental Monitoring Laboratory	MaW
JLNN01	Jefferson Laboratory	MaW
LOCK03	Advanced Test Reactor (ATR) Complex Radioanalytical Laboratory	MaW
LZCA01	ACZ Laboratories, Inc	MaW
MART01	Southern Ohio Cleanup Company LLC	MaW
MART03	Radioactive Material Analysis Laboratory	MaW
MDPH01	MDPH-Division of Radiation Control	MaW
MNDH01	Minnesota Department of Health, Public Health Lab. Division	MaW
NARL01	National Analytical Radiation Environmental Laboratory	MaW

NESI01	BWXT-Radioisotope & Analytical Chemistry Laboratory	MaW
NJDH01	New Jersey Dept. of Health, ECLS	MaW
ODHL01	Ohio Department of Health Laboratory	MaW
OTLI01	Pace Analytical National Center for Testing & Innovation	MaW
QUAN01	Eurofins St. Louis	MaW
RJLG01	RJ Lee Group - Columbia Basin Analytical Laboratories (CBAL)	MaW
RPSC01	Radiation Protection Service	MaW
SANC99	RadioAnalysis, South Africa Nuclear Energy Corp.	MaW
SAVA01	Battelle Savannah River Alliance	MaW
SEML01	SRS Environmental Monitoring Laboratory	MaW
SLAC01	SLAC DOE National Accelerator Laboratory	MaW
SLDA01	USACE SLDA FUSRAP Project	MaW
SOUT01	Southwest Research Institute	MaW
SRPD01	Sandia National Laboratories, Radiation Protection Sample Diagnostics	MaW
STRL01	South Texas Project Radiological Laboratory	MaW
TDHL01	Texas Department of State Health Services Laboratory	MaW
TELE01	Teledyne Brown Engineering - Environmental Services	MaW
TELE02	Microbac Laboratories Inc. - Northbrook	MaW
TMAO01	EBERLINE Analytical Corporation	MaW
TNUT01	St. Louis USACE FUSRAP Laboratory	MaW
WEST04	PACE ANALYTICAL SERVICES, GREENSBURG	MaW
WIPH01	WI, DPH, Radiation Protection Section	MaW
WSHL01	Wisconsin State Laboratory of Hygiene	MaW
WVDP01	WVDP Environmental Laboratory	MaW
YPGA01	US Army Yuma Proving Ground / Material Analysis Lab	MaW

Laboratories Not Reporting

Lab Code	Lab Name	Matrix Code
ASUK99	AWE (Aldermaston)	MaW
IDOH01	Indiana Department of Health	MaW
JAEC99	Research Laboratories and Information Directorate	MaW
UNTE01	UniTech-235	MaW

Study Reference Values

MAPEP-26-MaW54

Radiological Reference Date: 02/01/2026

Analyte	Ref Value	Ref Unc	Units
Inorganic			
Antimony	0.170	0.003	(mg/L)
Arsenic	0.139	0.003	(mg/L)
Barium	0.373	0.007	(mg/L)
Beryllium	0.204	0.004	(mg/L)
Cadmium	0.272	0.005	(mg/L)
Chromium	0.254	0.005	(mg/L)
Cobalt	0.203	0.004	(mg/L)
Copper	0.0347	0.0007	(mg/L)
Lead	0.137	0.003	(mg/L)
Selenium	0.231	0.005	(mg/L)
Technetium-99	1.63E-5	3E-7	(mg/L)
Thallium	0.156	0.003	(mg/L)
Uranium-235	3.85E-4	1.90E-5	(mg/L)
Uranium-238	0.0531	0.0017	(mg/L)
Uranium-Total	0.0535	0.0017	(mg/L)
Vanadium	0.340	0.007	(mg/L)
Zinc	0.288	0.005	(mg/L)

Analyte	Ref Value	Ref Unc	Units
Radiological			
Americium-241	0.787	0.012	(Bq/L)
Cesium-134	8.70	0.11	(Bq/L)
Cesium-137	10.6	0.2	(Bq/L)
Chromium-51	46.6	0.8	(Bq/L)
Cobalt-57	12.4	0.2	(Bq/L)
Cobalt-60	11.05	0.17	(Bq/L)
Iron-55	41.1	0.9	(Bq/L)
Manganese-54	9.36	0.19	(Bq/L)
Nickel-63	29.2	0.6	(Bq/L)
Plutonium-238	0.666	0.010	(Bq/L)
Plutonium-239/240	0.615	0.010	(Bq/L)
Radium-226	0.700	0.014	(Bq/L)
Technetium-99	10.2	0.2	(Bq/L)
Uranium-234	0.65	0.02	(Bq/L)
Uranium-238	0.66	0.02	(Bq/L)
Zinc-65	11.2	0.2	(Bq/L)

Sample Statistical Summary

MAPEP-26-MaW54

Radiological Reference Date: 02/01/2026

Analyte	T(1)	A(2)	Grand(3) Mean	Std Dev	Ref Value	Ref Unc	Acceptance Range	Units
Inorganic								
Antimony	12	11	0.163	0.014	0.170	0.003	0.119 - 0.221	(mg/L)
Arsenic	14	14	0.135	0.010	0.139	0.003	0.097 - 0.181	(mg/L)
Barium	14	14	0.359	0.025	0.373	0.007	0.261 - 0.485	(mg/L)
Beryllium	13	13	0.202	0.011	0.204	0.004	0.143 - 0.265	(mg/L)
Cadmium	15	15	0.266	0.014	0.272	0.005	0.190 - 0.354	(mg/L)
Chromium	15	15	0.251	0.014	0.254	0.005	0.178 - 0.330	(mg/L)
Cobalt	14	14	0.201	0.014	0.203	0.004	0.142 - 0.264	(mg/L)
Copper	15	13	0.0328	0.0027	0.0347	0.0007	0.0243 - 0.0451	(mg/L)
Lead	15	15	0.134	0.007	0.137	0.003	0.096 - 0.178	(mg/L)
Mercury	10	7					False Positive Test	(mg/L)
Nickel	13	7					False Positive Test	(mg/L)
Selenium	13	13	0.222	0.017	0.231	0.005	0.162 - 0.300	(mg/L)
Technetium-99	3	3			1.63E-5	3E-7	1.14E-5 - 2.12E-5	(mg/L)
Thallium	13	13	0.155	0.007	0.156	0.003	0.109 - 0.203	(mg/L)
Uranium-235	13	13	3.73E-4	2.10E-5	3.85E-4	1.90E-5	2.70E-4 - 5.01E-4	(mg/L)
Uranium-238	14	13	0.0517	0.0022	0.0531	0.0017	0.0372 - 0.0690	(mg/L)
Uranium-Total	14	14	0.0520	0.0020	0.0535	0.0017	0.0375 - 0.0696	(mg/L)
Vanadium	14	14	0.348	0.030	0.340	0.007	0.238 - 0.442	(mg/L)
Zinc	15	15	0.282	0.028	0.288	0.005	0.202 - 0.374	(mg/L)

Analyte	T(1)	A(2)	Grand(3) Mean	Std Dev	Ref Value	Ref Unc	Acceptance Range	Units
Radiological								
Americium-241	33	32	0.731	0.064	0.787	0.012	0.551 - 1.023	(Bq/L)
Cesium-134	54	49	8.20	0.70	8.70	0.11	6.09 - 11.31	(Bq/L)
Cesium-137	54	51	10.7	0.6	10.6	0.2	7.4 - 13.8	(Bq/L)
Chromium-51	23	23	45.8	4.3	46.6	0.8	32.6 - 60.6	(Bq/L)
Cobalt-57	54	51	12.0	0.7	12.4	0.2	8.7 - 16.1	(Bq/L)
Cobalt-58	16	15					False Positive Test	(Bq/L)
Cobalt-60	54	51	10.82	0.59	11.05	0.17	7.74 - 14.37	(Bq/L)
Hydrogen-3	35	32					False Positive Test	(Bq/L)
Iron-55	8	8	38.6	5.7	41.1	0.9	28.8 - 53.4	(Bq/L)
Manganese-54	54	50	9.22	0.53	9.36	0.19	6.55 - 12.17	(Bq/L)
Nickel-63	9	9	28.4	3.6	29.2	0.6	20.4 - 38.0	(Bq/L)
Plutonium-238	25	23	0.655	0.064	0.666	0.010	0.466 - 0.866	(Bq/L)
Plutonium-239/240	25	23	0.600	0.057	0.615	0.010	0.431 - 0.800	(Bq/L)
Potassium-40	47	37					False Positive Test	(Bq/L)
Radium-226	22	17	0.684	0.084	0.700	0.014	0.490 - 0.910	(Bq/L)
Strontium-90	28	23					False Positive Test	(Bq/L)
Technetium-99	14	12	10.0	0.8	10.2	0.2	7.1 - 13.3	(Bq/L)
Uranium-234	28	28	0.64	0.06	0.65	0.02	0.46 - 0.85	(Bq/L)
Uranium-238	31	30	0.63	0.07	0.66	0.02	0.46 - 0.86	(Bq/L)
Zinc-65	54	50	11.5	0.9	11.2	0.2	7.8 - 14.6	(Bq/L)

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".

Results Flags:

A = Result acceptable.....|Bias| <= 20%

W = Result acceptable with warning.....20% < |Bias| <= 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% <= RP <= 15%

W = ACCEPTABLE WITH WARNING.....15% <= RP <= 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Flag Summary Report

MAPEP-26-MaW54

Inorganic

Analyte	A	W	RW	N
Antimony	10	1		1
Arsenic	14			
Barium	14			
Beryllium	13			
Cadmium	15			
Chromium	15			
Cobalt	14			
Copper	13			2
Lead	15			
Mercury	7			3
Nickel	7			6
Selenium	12	1		
Thallium	13			
Uranium-Total	14			
Uranium-235	13			
Uranium-238	13			1
Vanadium	13	1		
Zinc	13	2		
Technetium-99	2	1		

Radiological

Analyte	A	W	RW	N
Americium-241	30	2		1
Cesium-134	47	2		3
Cesium-137	51			3
Cobalt-57	51			3
Cobalt-58	15			1
Cobalt-60	51			3
Hydrogen-3	32			7
Iron-55	7	1		
Manganese-54	50			4
Nickel-63	8	1		
Plutonium-238	21	2		2
Plutonium-239/240	21	2		2
Potassium-40	37			16
Radium-226	15	2		5
Strontium-90	23			6
Technetium-99	12			2
Uranium-234	27	1		
Uranium-238	27	3		1
Zinc-65	50			4
Chromium-51	21	2		



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ADEM01) Alabama Department of Environmental Management
1350 Coliseum Blvd.
Montgomery, AL 36110

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.251	8.70	A		-5.2	6.09 - 11.31	0.324	A
Cesium-137	11.1	10.6	A		4.7	7.4 - 13.8	0.500	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	13.69	12.4	A		10.4	8.7 - 16.1	1.180	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.433	11.05	A		3.5	7.74 - 14.37	0.330	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.99	9.36	A		6.7	6.55 - 12.17	0.429	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	NR		N	(11)		False Positive Test		
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	12.247	11.2	A		9.3	7.8 - 14.6	0.500	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ADFC99) Abu Dhabi Quality and Conformity Council-Central Testing Lab

Radiation Lab

Abu Dhabi, Abu Dhabi 853

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.17	8.70	A		-6.1	6.09 - 11.31	0.73	A
Cesium-137	10.43	10.6	A		-1.6	7.4 - 13.8	1.34	A
Chromium-51	44.27	46.6	A		-5.0	32.6 - 60.6	6.21	A
Cobalt-57	11.07	12.4	A		-10.7	8.7 - 16.1	1.83	W
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.50	11.05	A		-5.0	7.74 - 14.37	0.70	A
Hydrogen-3	NR		N	(11)		False Positive Test		
Iron-55	41.4	41.1	A		0.7	28.8 - 53.4	3	A
Manganese-54	8.75	9.36	A		-6.5	6.55 - 12.17	1.02	A
Nickel-63	29.10	29.2	A		-0.3	20.4 - 38.0	1.4	A
Plutonium-238	0.742	0.666	A		11.4	0.466 - 0.866	0.094	A
Plutonium-239/240	0.625	0.615	A		1.6	0.431 - 0.800	0.08	A

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	NR		N	(11)		False Positive Test		
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR		N	(11)		False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	0.620	0.65	A		-4.6	0.46 - 0.85	0.087	A
Uranium-238	0.653	0.66	A		-1.1	0.46 - 0.86	0.087	A
Zinc-65	10.63	11.2	A		-5.1	7.8 - 14.6	1.21	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(AFOH01) USAFSAM/OEA

2510 Fifth Street, Area B

Wright-Patterson AFB, OH 45433-7913

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	0.000378	0.000385	A		-1.8	2.70E-4 - 5.01E-4	0.000008	A
Uranium-238	0.0516	0.0531	A		-2.8	0.0372 - 0.0690	0.0010	N
Uranium-Total	0.0520	0.0535	A		-2.8	0.0375 - 0.0696	0.0011	A
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.789	0.787	A		0.3	0.551 - 1.023	0.042	A
Cesium-134	8.14	8.70	A		-6.4	6.09 - 11.31	0.31	A
Cesium-137	9.95	10.6	A		-6.1	7.4 - 13.8	0.29	A
Chromium-51	45.8	46.6	A		-1.7	32.6 - 60.6	2.5	A
Cobalt-57	11.08	12.4	A		-10.6	8.7 - 16.1	0.39	A
Cobalt-58	-0.02		A			False Positive Test	0.09	
Cobalt-60	10.23	11.05	A		-7.4	7.74 - 14.37	0.23	A
Hydrogen-3	5		A			False Positive Test	6	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.73	9.36	A		-6.7	6.55 - 12.17	0.24	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.678	0.666	A		1.8	0.466 - 0.866	0.032	A
Plutonium-239/240	0.617	0.615	A		0.3	0.431 - 0.800	0.030	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.3		A			False Positive Test	0.4
Radium-226	0.69	0.700	A		-1.4	0.490 - 0.910	0.05 A
Strontium-90	0.02		A			False Positive Test	0.01
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.648	0.65	A		-0.3	0.46 - 0.85	0.043 A
Uranium-238	0.649	0.66	A		-1.7	0.46 - 0.86	0.043 A
Zinc-65	10.34	11.2	A		-7.7	7.8 - 14.6	0.37 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ALIN01) Anatek Labs Inc.

504 E. Sprague Ave Ste D

Spokane, WA 99202

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	0.6919	0.700	A		-1.2	0.490 - 0.910	0.045103 A
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(AMEC99) Amentum Clean Energy Ltd

612 Faraday Street

Birchwood Park, Warrington WA3 6GN

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.80	0.787	A		1.7	0.551 - 1.023	0.12	A
Cesium-134	8.35	8.70	A		-4.0	6.09 - 11.31	0.29	A
Cesium-137	10.36	10.6	A		-2.3	7.4 - 13.8	0.36	A
Chromium-51	46.2	46.6	A		-0.9	32.6 - 60.6	3.1	A
Cobalt-57	11.67	12.4	A		-5.9	8.7 - 16.1	0.72	A
Cobalt-58	0.037		A			False Positive Test	0.093	
Cobalt-60	10.71	11.05	A		-3.1	7.74 - 14.37	0.44	A
Hydrogen-3	32.3		N	(1)		False Positive Test	2.6	
Iron-55	49.3	41.1	A		20.0	28.8 - 53.4	5.0	A
Manganese-54	9.02	9.36	A		-3.6	6.55 - 12.17	0.33	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.636	0.666	A		-4.5	0.466 - 0.866	0.025	A
Plutonium-239/240	0.553	0.615	A		-10.1	0.431 - 0.800	0.023	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	7.7		N	(1)		False Positive Test	1.4	
Radium-226	0.557	0.700	W		-20.4	0.490 - 0.910	0.064	A
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	0.669	0.65	A		2.9	0.46 - 0.85	0.028	A
Uranium-238	0.659	0.66	A		-0.2	0.46 - 0.86	0.028	A
Zinc-65	11.69	11.2	A		4.4	7.8 - 14.6	0.53	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

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(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ANLB01) Argonne National Laboratory

9700 S. Cass Ave

Argonne, IL 60439

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.710	0.787	A		-9.8	0.551 - 1.023	0.050	A
Cesium-134	8.31	8.70	A		-4.5	6.09 - 11.31	0.54	A
Cesium-137	11.32	10.6	A		6.8	7.4 - 13.8	0.97	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.11	12.4	A		-2.3	8.7 - 16.1	0.87	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.70	11.05	A		5.9	7.74 - 14.37	0.36	A
Hydrogen-3	1.56		A			False Positive Test	1.52	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	10.08	9.36	A		7.7	6.55 - 12.17	0.62	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.579	0.666	A		-13.1	0.466 - 0.866	0.036	A
Plutonium-239/240	0.516	0.615	A		-16.1	0.431 - 0.800	0.033	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR			(6)		False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	0.058		A			False Positive Test	0.032
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.559	0.65	A		-14.0	0.46 - 0.85	0.044 A
Uranium-238	0.557	0.66	A		-15.6	0.46 - 0.86	0.043 A
Zinc-65	13.01	11.2	A		16.2	7.8 - 14.6	0.83 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(AREV01) Framatome - CMC

1724 Mount Athos Road

Lynchburg, VA 24504

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.16	0.170	A		-5.9	0.119 - 0.221	.02	A
Arsenic	0.13	0.139	A		-6.5	0.097 - 0.181	0.013	A
Barium	0.35	0.373	A		-6.2	0.261 - 0.485	0.04	A
Beryllium	0.20	0.204	A		-2.0	0.143 - 0.265	0.02	A
Cadmium	0.25	0.272	A		-8.1	0.190 - 0.354	0.03	A
Chromium	0.24	0.254	A		-5.5	0.178 - 0.330	0.02	A
Cobalt	0.19	0.203	A		-6.4	0.142 - 0.264	0.02	A
Copper	0.03	0.0347	A		-13.5	0.0243 - 0.0451	0.003	A
Lead	0.13	0.137	A		-5.1	0.096 - 0.178	0.03	W
Mercury	0.01		A			False Positive Test	0.01	
Nickel	0.03		A			False Positive Test	0.03	
Selenium	0.22	0.231	A		-4.8	0.162 - 0.300	0.02	A
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.15	0.156	A		-3.8	0.109 - 0.203	0.02	A
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	0.31	0.340	A		-8.8	0.238 - 0.442	.03	A
Zinc	0.23	0.288	W		-20.1	0.202 - 0.374	.02	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70	N	(28)		6.09 - 11.31		
Cesium-137	NR	10.6	N	(28)		7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4	N	(28)		8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05	N	(28)		7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36	N	(28)		6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	NR		N	(11)		False Positive Test		
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	NR	11.2	N	(28)		7.8 - 14.6		

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ARPL01) Analytical Support Operations - Radiochemical Processing Lab

PO Box 999

Richland, WA 99354

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	55.8		A			False Positive Test	18.6	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	.095		N	(1)		False Positive Test	.002
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.557	0.65	A		-14.3	0.46 - 0.85	0.088 W
Uranium-238	0.516	0.66	W		-21.8	0.46 - 0.86	0.069 A
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| <= 20%

W = Result acceptable with warning.....20% < |Bias| <= 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ARSL01) ARS

2609 North River Road

Port Allen, LA 70767

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	6.986	8.70	A		-19.7	6.09 - 11.31	0.263	A
Cesium-137	10.743	10.6	A		1.3	7.4 - 13.8	0.275	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.218	12.4	A		-1.5	8.7 - 16.1	0.427	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.196	11.05	A		1.3	7.74 - 14.37	0.256	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.713	9.36	A		3.8	6.55 - 12.17	0.346	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	3.593		N	(1)		False Positive Test	0.438	
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	9.967	10.2	A		-2.3	7.1 - 13.3	1.196	A
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	11.879	11.2	A		6.1	7.8 - 14.6	0.463	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(AY1201) Consolidated Nuclear Security, LLC, ACO Laboratory

Y12, NSC, Bldg. 9995, Rm 142

Oak Ridge, TN 37831-8189

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.162	0.170	A		-4.7	0.119 - 0.221	0.022	A
Arsenic	0.130	0.139	A		-6.5	0.097 - 0.181	0.017	A
Barium	0.365	0.373	A		-2.1	0.261 - 0.485	0.015	A
Beryllium	0.202	0.204	A		-1.0	0.143 - 0.265	0.013	A
Cadmium	0.271	0.272	A		-0.4	0.190 - 0.354	0.016	A
Chromium	0.263	0.254	A		3.5	0.178 - 0.330	0.008	A
Cobalt	0.201	0.203	A		-1.0	0.142 - 0.264	0.010	A
Copper	0.0340	0.0347	A		-2.0	0.0243 - 0.0451	0.001	A
Lead	0.138	0.137	A		0.7	0.096 - 0.178	0.013	A
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	0.207	0.231	A		-10.4	0.162 - 0.300	0.034	W
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.158	0.156	A		1.3	0.109 - 0.203	0.019	A
Uranium-235	0.0003615	0.000385	A		-6.1	2.70E-4 - 5.01E-4	0.00004	A
Uranium-238	0.051	0.0531	A		-4.0	0.0372 - 0.0690	0.005	A
Uranium-Total	0.051	0.0535	A		-4.7	0.0375 - 0.0696	0.005	A
Vanadium	0.360	0.340	A		5.9	0.238 - 0.442	0.014	A
Zinc	0.284	0.288	A		-1.4	0.202 - 0.374	0.018	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.71	0.787	A		-9.8	0.551 - 1.023	0.057	A
Cesium-134	NR	8.70		(6)		6.09 - 11.31		
Cesium-137	11.4	10.6	A		7.5	7.4 - 13.8	0.222	N
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.7	12.4	A		2.4	8.7 - 16.1	0.166	N
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.4	11.05	A		3.2	7.74 - 14.37	0.149	N
Hydrogen-3	-8.4		A			False Positive Test	11	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.49	9.36	A		1.4	6.55 - 12.17	0.361	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.654	0.666	A		-1.8	0.466 - 0.866	0.0421	A
Plutonium-239/240	0.607	0.615	A		-1.3	0.431 - 0.800	0.0397	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-0.110		A			False Positive Test	0.688
Radium-226	2.59	0.700	N		270.0	0.490 - 0.910	0.426 W
Strontium-90	0.27		A			False Positive Test	0.12
Technetium-99	9.62	10.2	A		-5.7	7.1 - 13.3	0.43 A
Uranium-234	0.666	0.65	A		2.5	0.46 - 0.85	0.0525 A
Uranium-238	0.632	0.66	A		-4.2	0.46 - 0.86	0.0506 A
Zinc-65	11.9	11.2	A		6.3	7.8 - 14.6	0.377 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
(BSCE99) Supreme Council for Environment
P. O. Box 18233
Manama, Manama 18233

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	0.2607	0.272	A		-4.2	0.190 - 0.354	0.018	A
Chromium	0.2391	0.254	A		-5.9	0.178 - 0.330	0.017	A
Cobalt	NR	0.203				0.142 - 0.264		
Copper	0.0566	0.0347	N		63.1	0.0243 - 0.0451	0.004	A
Lead	0.131	0.137	A		-4.4	0.096 - 0.178	0.009	A
Mercury	NR					False Positive Test		
Nickel	0.0060		N	(1)		False Positive Test	0.0004	
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	0.2946	0.288	A		2.3	0.202 - 0.374	0.021	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.567	0.787	W		-28.0	0.551 - 1.023	0.082	A
Cesium-134	8.412	8.70	A		-3.3	6.09 - 11.31	0.441	A
Cesium-137	10.202	10.6	A		-3.8	7.4 - 13.8	0.855	A
Chromium-51	45.732	46.6	A		-1.9	32.6 - 60.6	4.849	A
Cobalt-57	11.044	12.4	A		-10.9	8.7 - 16.1	1.040	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.543	11.05	A		-4.6	7.74 - 14.37	0.583	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.649	9.36	A		-7.6	6.55 - 12.17	0.726	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	2.219		N	(1)		False Positive Test	0.399	
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	10.561	11.2	A		-5.7	7.8 - 14.6	0.741	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(BY1201) Consolidated Nuclear Security, LLC, ACO, Production Laboratory

Y12, NSC, Bldg. 9995, Rm 142

Oak Ridge, TN 37831-8189

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.715	0.787	A		-9.1	0.551 - 1.023	0.043	A
Cesium-134	NR	8.70		(6)		6.09 - 11.31		
Cesium-137	12.33	10.6	A		16.3	7.4 - 13.8	.241	N
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.57	12.4	A		1.4	8.7 - 16.1	.204	N
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.38	11.05	A		3.0	7.74 - 14.37	.175	N
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.31	9.36	A		-0.5	6.55 - 12.17	.175	N
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.83	0.666	W		24.6	0.466 - 0.866	0.08	A
Plutonium-239/240	0.78	0.615	W		26.8	0.431 - 0.800	0.077	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.68		A			False Positive Test	.845
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	-0.125		A			False Positive Test	0.089
Technetium-99	9.44	10.2	A		-7.5	7.1 - 13.3	0.23 A
Uranium-234	0.654	0.65	A		0.6	0.46 - 0.85	0.047 A
Uranium-238	0.629	0.66	A		-4.7	0.46 - 0.86	0.046 A
Zinc-65	11.05	11.2	A		-1.3	7.8 - 14.6	.321 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(CESL01) Lawrence Livermore National Laboratory - EMRL

7000 East Avenue

Livermore, CA 94551

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.04E+00	8.70	A		-7.6	6.09 - 11.31	9.29E-01	A
Cesium-137	1.05E+01	10.6	A		-0.9	7.4 - 13.8	1.42	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	1.29E+01	12.4	A		4.0	8.7 - 16.1	8.18E-01	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	1.10E+01	11.05	A		-0.5	7.74 - 14.37	8.54E-01	A
Hydrogen-3	3.80E+00		A			False Positive Test	1.31	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.36E+00	9.36	A		0.0	6.55 - 12.17	1.39	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	6.64E-01	0.666	A		-0.3	0.466 - 0.866	1.57E-02	A
Plutonium-239/240	5.95E-01	0.615	A		-3.3	0.431 - 0.800	1.46E-02	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	7.16E+00		A			False Positive Test	7.37
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	9.84E+00	11.2	A		-12.1	7.8 - 14.6	3.08 N

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(CMRC01) Carlsbad Environmental Monitoring and Research Center

1400 University Dr.

Carlsbad, NM 88220

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	6.48E-01	0.787	A		-17.7	0.551 - 1.023	2.39E-02	A
Cesium-134	7.65E+00	8.70	A		-12.1	6.09 - 11.31	2.78E-01	A
Cesium-137	1.04E+01	10.6	A		-1.9	7.4 - 13.8	4.23E-01	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	1.28E+01	12.4	A		3.2	8.7 - 16.1	3.93E-01	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	1.11E+01	11.05	A		0.5	7.74 - 14.37	3.73E-01	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.35E+00	9.36	A		-0.1	6.55 - 12.17	3.18E-01	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	5.59E-01	0.666	A		-16.1	0.466 - 0.866	2.07E-02	A
Plutonium-239/240	5.11E-01	0.615	A		-16.9	0.431 - 0.800	1.91E-02	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	-1.13E-01		A			False Positive Test	1.81E-01	
Radium-226	1.19E+00	0.700	N		70.0	0.490 - 0.910	7.22E-01	N
Strontium-90	8.96E-03		N	(1)		False Positive Test	1.91E-03	
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	5.16E-01	0.65	W		-20.6	0.46 - 0.85	5.38E-02	A
Uranium-238	5.14E-01	0.66	W		-22.1	0.46 - 0.86	5.36E-02	A
Zinc-65	1.17E+01	11.2	A		4.5	7.8 - 14.6	3.41E-01	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| <= 20%

W = Result acceptable with warning.....20% < |Bias| <= 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% <= RP <= 15%

W = ACCEPTABLE WITH WARNING.....15% <= RP <= 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(DEHS01) Department of Environmental Health & Safety

North Carolina State Univ.

Raleigh, NC 27695-8007

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	11.06	8.70	W		27.1	6.09 - 11.31	0.56	A
Cesium-137	11.03	10.6	A		4.1	7.4 - 13.8	0.83	A
Chromium-51	36.04	46.6	W		-22.7	32.6 - 60.6	11.10	N
Cobalt-57	11.14	12.4	A		-10.2	8.7 - 16.1	0.80	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	9.98	11.05	A		-9.7	7.74 - 14.37	0.60	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	1.42	9.36	N		-84.8	6.55 - 12.17	8.00	N
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	760.31		N	(1)		False Positive Test	48.62	
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	12.41	11.2	A		10.8	7.8 - 14.6	0.86	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
 (EFGS01) Eurofins Environment Testing Seattle
 5755 8th St. E
 Tacoma, WA 98424

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	0.0000011		N	(1)		False Positive Test	0.000000	
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ELIW01) Energy Laboratories, Inc.

2393 Salt Creek HWY

Casper, Wy 82601

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	0.7104	0.700	A		1.5	0.490 - 0.910	0.0666 A
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.5587	0.65	A		-14.0	0.46 - 0.85	0.0333 A
Uranium-238	0.5439	0.66	A		-17.6	0.46 - 0.86	0.0333 A
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
(ERAD01) Lawrence Livermore National Laboratory
7000 East Ave., L-231
Livermore, CA 94551

Inorganic						Units: (mg/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	0.0003702	0.000385	A		-3.8	2.70E-4 - 5.01E-4	0.000002	N
Uranium-238	0.05101	0.0531	A		-3.9	0.0372 - 0.0690	0.00030	N
Uranium-Total	0.05138	0.0535	A		-4.0	0.0375 - 0.0696	0.00036	N
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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A = ACCEPTABLE.....2% ≤ RP ≤ 15%

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ERCL01) Washington State Public Health Laboratories

1610 N.E. 150th Street

Shoreline, WA 98155-9701

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	0.000363	0.000385	A		-5.7	2.70E-4 - 5.01E-4	0.000049	A
Uranium-238	0.0510	0.0531	A		-4.0	0.0372 - 0.0690	0.0066	A
Uranium-Total	0.0510	0.0535	A		-4.7	0.0375 - 0.0696	0.0066	A
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.736	0.787	A		-6.5	0.551 - 1.023	0.036	A
Cesium-134	8.55	8.70	A		-1.7	6.09 - 11.31	0.23	A
Cesium-137	10.7	10.6	A		0.9	7.4 - 13.8	0.4	A
Chromium-51	48.5	46.6	A		4.1	32.6 - 60.6	5.1	A
Cobalt-57	12.2	12.4	A		-1.6	8.7 - 16.1	0.3	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.1	11.05	A		0.5	7.74 - 14.37	0.4	A
Hydrogen-3	0.52		A			False Positive Test	0.85	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.88	9.36	A		-5.1	6.55 - 12.17	0.24	A
Nickel-63	27.8	29.2	A		-4.8	20.4 - 38.0	4.0	A
Plutonium-238	0.688	0.666	A		3.3	0.466 - 0.866	0.030	A
Plutonium-239/240	0.618	0.615	A		0.5	0.431 - 0.800	0.028	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	1.3		A			False Positive Test	1.3
Radium-226	0.696	0.700	A		-0.6	0.490 - 0.910	0.066 A
Strontium-90	0.026		A			False Positive Test	0.032
Technetium-99	8.7	10.2	A		-14.7	7.1 - 13.3	1.3 A
Uranium-234	0.655	0.65	A		0.8	0.46 - 0.85	0.032 A
Uranium-238	0.666	0.66	A		0.9	0.46 - 0.86	0.032 A
Zinc-65	11.3	11.2	A		0.9	7.8 - 14.6	0.5 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ERHD99) National Monitoring Section, Radiation Protection Bureau, Health Canada

775 Brookfield Road AL6302D1

Ottawa, Ontario K1A 1C1

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.167	0.170	A		-1.8	0.119 - 0.221	0.002	N
Arsenic	0.123	0.139	A		-11.5	0.097 - 0.181	0.005	A
Barium	0.3812	0.373	A		2.2	0.261 - 0.485	0.003	N
Beryllium	0.201	0.204	A		-1.5	0.143 - 0.265	0.005	A
Cadmium	0.2714	0.272	A		-0.2	0.190 - 0.354	0.002	N
Chromium	0.2533	0.254	A		-0.3	0.178 - 0.330	0.006	A
Cobalt	0.1952	0.203	A		-3.8	0.142 - 0.264	0.002	N
Copper	0.0302	0.0347	A		-13.0	0.0243 - 0.0451	0.003	A
Lead	0.136	0.137	A		-0.7	0.096 - 0.178	0.001	N
Mercury	NR					False Positive Test		
Nickel	0.002		N	(1)		False Positive Test	0.0003	
Selenium	0.211	0.231	A		-8.7	0.162 - 0.300	0.008	A
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.1503	0.156	A		-3.7	0.109 - 0.203	0.001	N
Uranium-235	0.00039	0.000385	A		1.3	2.70E-4 - 5.01E-4	0.00004	A
Uranium-238	0.0549	0.0531	A		3.4	0.0372 - 0.0690	0.0012	A
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	0.3344	0.340	A		-1.6	0.238 - 0.442	0.004	N
Zinc	0.273	0.288	A		-5.2	0.202 - 0.374	0.01	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.775	0.787	A		-1.5	0.551 - 1.023	0.020	A
Cesium-134	8.26	8.70	A		-5.1	6.09 - 11.31	0.41	A
Cesium-137	11.11	10.6	A		4.8	7.4 - 13.8	0.64	A
Chromium-51	43.8	46.6	A		-6.0	32.6 - 60.6	3.4	A
Cobalt-57	12.40	12.4	A		0.0	8.7 - 16.1	0.62	A
Cobalt-58	0.55		A			False Positive Test	1.11	
Cobalt-60	10.72	11.05	A		-3.0	7.74 - 14.37	0.54	A
Hydrogen-3	2.5		A			False Positive Test	2.5	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.80	9.36	A		-6.0	6.55 - 12.17	0.53	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.640	0.666	A		-3.9	0.466 - 0.866	0.018	A
Plutonium-239/240	0.616	0.615	A		0.2	0.431 - 0.800	0.018	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.06		A			False Positive Test	0.11
Radium-226	0.752	0.700	A		7.4	0.490 - 0.910	0.04 A
Strontium-90	0.1		A			False Positive Test	0.2
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.653	0.65	A		0.5	0.46 - 0.85	0.021 A
Uranium-238	0.615	0.66	A		-6.8	0.46 - 0.86	0.021 A
Zinc-65	11.8	11.2	A		5.4	7.8 - 14.6	1.0 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ESDE01) Region 5 EQC Tritium Lab

206 Beaufort NE

Aiken, SC 29801

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	1.66		A			False Positive Test	4.40	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

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(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ETTP01) MCLinc

161 Mitchell Road

Oak Ridge, Tennessee 37830

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.18	0.170	A		5.9	0.119 - 0.221	0.018	A
Arsenic	0.14	0.139	A		0.7	0.097 - 0.181	0.011	A
Barium	0.38	0.373	A		1.9	0.261 - 0.485	0.027	A
Beryllium	0.21	0.204	A		2.9	0.143 - 0.265	0.021	A
Cadmium	0.27	0.272	A		-0.7	0.190 - 0.354	0.011	A
Chromium	0.25	0.254	A		-1.6	0.178 - 0.330	0.014	A
Cobalt	0.21	0.203	A		3.4	0.142 - 0.264	0.013	A
Copper	0.034	0.0347	A		-2.0	0.0243 - 0.0451	0.0025	A
Lead	0.13	0.137	A		-5.1	0.096 - 0.178	0.0079	A
Mercury	0.0013		A			False Positive Test	0.013	
Nickel	0.00038		N	(1)		False Positive Test	0.000046	
Selenium	0.23	0.231	A		-0.4	0.162 - 0.300	0.021	A
Technetium-99	0.000019	1.63E-5	A		16.6	1.14E-5 - 2.12E-5	0.000000	A
Thallium	0.16	0.156	A		2.6	0.109 - 0.203	0.015	A
Uranium-235	0.00036	0.000385	A		-6.5	2.70E-4 - 5.01E-4	0.000018	A
Uranium-238	0.050	0.0531	A		-5.8	0.0372 - 0.0690	0.0025	A
Uranium-Total	0.051	0.0535	A		-4.7	0.0375 - 0.0696	0.0026	A
Vanadium	0.35	0.340	A		2.9	0.238 - 0.442	0.023	A
Zinc	0.29	0.288	A		0.7	0.202 - 0.374	0.036	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	11.7	10.2	A		14.7	7.1 - 13.3	0.59 A
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	0.628	0.66	A		-4.8	0.46 - 0.86	0.0314 A
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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Notes:

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(EULC01) EnergySolutions, LLC

2235 S. Saltbush Rd.

Grantsville, UT 84029

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.76	0.787	A		-3.4	0.551 - 1.023	0.212	W
Cesium-134	7.52	8.70	A		-13.6	6.09 - 11.31	0.476	A
Cesium-137	9.95	10.6	A		-6.1	7.4 - 13.8	1.231	A
Chromium-51	42.920	46.6	A		-7.9	32.6 - 60.6	7.518	W
Cobalt-57	11.49	12.4	A		-7.3	8.7 - 16.1	1.668	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	9.52	11.05	A		-13.8	7.74 - 14.37	0.581	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.63	9.36	A		-7.8	6.55 - 12.17	0.927	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	1.47		A			False Positive Test	0.548
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	9.213	0.66	N		1295.9	0.46 - 0.86	1.928 W
Zinc-65	10.23	11.2	A		-8.7	7.8 - 14.6	0.968 A

Radiological Reference Date: February 1, 2026

Results Flags:

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N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(FANR79) Federal Authority for Nuclear Regulation, Environmental Laboratory

Zayed University, gate number 5

Abu Dhabi, Abu Dhabi 00971

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.78	0.787	A		-0.9	0.551 - 1.023	0.13	W
Cesium-134	8.63	8.70	A		-0.8	6.09 - 11.31	0.31	A
Cesium-137	10.0	10.6	A		-5.7	7.4 - 13.8	0.20	A
Chromium-51	47.44	46.6	A		1.8	32.6 - 60.6	7.45	W
Cobalt-57	11.24	12.4	A		-9.4	8.7 - 16.1	0.44	A
Cobalt-58	-4.056		N	(29)		False Positive Test	0.021	
Cobalt-60	10.78	11.05	A		-2.4	7.74 - 14.37	0.32	A
Hydrogen-3	-2.26		A			False Positive Test	2.46	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.47	9.36	A		-9.5	6.55 - 12.17	0.22	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	NR		N	(11)		False Positive Test		
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	10.74	11.2	A		-4.1	7.8 - 14.6	0.38	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

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RW = Report Warning

NR = Not Reported

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Notes:

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(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(FDHE01) Florida Dept of Health Environmental Laboratory
2100 All Childrens Way
Orlando, FL 32818-5271

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.751	0.787	A		-4.6	0.551 - 1.023	0.107	A
Cesium-134	8.869	8.70	A		1.9	6.09 - 11.31	0.16	N
Cesium-137	10.008	10.6	A		-5.6	7.4 - 13.8	0.234	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	10.904	12.4	A		-12.1	8.7 - 16.1	0.294	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.1	11.05	A		-8.6	7.74 - 14.37	0.207	A
Hydrogen-3	0.85		A			False Positive Test	3.23	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.917	9.36	A		-4.7	6.55 - 12.17	0.228	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.514	0.666	W		-22.8	0.466 - 0.866	0.08	W
Plutonium-239/240	0.489	0.615	W		-20.5	0.431 - 0.800	0.08	W

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.275		A			False Positive Test	1.04
Radium-226	0.704	0.700	A		0.6	0.490 - 0.910	0.06 A
Strontium-90	-0.1		A			False Positive Test	0.21
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.717	0.65	A		10.3	0.46 - 0.85	0.08 A
Uranium-238	0.7	0.66	A		6.1	0.46 - 0.86	0.08 A
Zinc-65	10.824	11.2	A		-3.4	7.8 - 14.6	0.326 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(FDOH01) Florida Dept. of Health, Mobile Environmental Radiological Lab

2100 All Childrens Way

Orlando, FL 32818-5271

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.752	0.787	A		-4.4	0.551 - 1.023	0.169	W
Cesium-134	9.003	8.70	A		3.5	6.09 - 11.31	0.176	N
Cesium-137	10.279	10.6	A		-3.0	7.4 - 13.8	0.272	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	10.706	12.4	A		-13.7	8.7 - 16.1	0.197	N
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.405	11.05	A		-5.8	7.74 - 14.37	0.215	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.916	9.36	A		-4.7	6.55 - 12.17	0.249	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.382		A			False Positive Test	1.008
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	0.74	0.66	A		12.1	0.46 - 0.86	1.55 N
Zinc-65	11	11.2	A		-1.8	7.8 - 14.6	0.404 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(FNAL01) Fermi National Accelerator Laboratory (FermiLab)

PO Box 500, MS325

Batavia, IL 60510

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.03	8.70	A		-7.7	6.09 - 11.31	0.25	A
Cesium-137	10.32	10.6	A		-2.6	7.4 - 13.8	0.36	A
Chromium-51	48.4	46.6	A		3.9	32.6 - 60.6	2.5	A
Cobalt-57	11.95	12.4	A		-3.6	8.7 - 16.1	0.35	A
Cobalt-58	0.014		A			False Positive Test	0.087	
Cobalt-60	11.02	11.05	A		-0.3	7.74 - 14.37	0.39	A
Hydrogen-3	-1.5		A			False Positive Test	3.0	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.52	9.36	A		1.7	6.55 - 12.17	0.34	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.5		A			False Positive Test	1.3
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	11.51	11.2	A		2.8	7.8 - 14.6	0.44 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

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(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(GENE01) GEL Laboratories, LLC

2040 Savage Road

Charleston, SC 29407

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.147	0.170	A		-13.5	0.119 - 0.221	0.0294	W
Arsenic	0.132	0.139	A		-5.0	0.097 - 0.181	0.0264	W
Barium	0.338	0.373	A		-9.4	0.261 - 0.485	0.0676	W
Beryllium	0.185	0.204	A		-9.3	0.143 - 0.265	0.0370	W
Cadmium	0.244	0.272	A		-10.3	0.190 - 0.354	0.0488	W
Chromium	0.244	0.254	A		-3.9	0.178 - 0.330	0.0489	W
Cobalt	0.221	0.203	A		8.9	0.142 - 0.264	0.0442	W
Copper	0.0332	0.0347	A		-4.3	0.0243 - 0.0451	0.00671	W
Lead	0.123	0.137	A		-10.2	0.096 - 0.178	0.0247	W
Mercury	-0.000325		A			False Positive Test	0.000129	
Nickel	0.00107		A			False Positive Test	0.000544	
Selenium	0.236	0.231	A		2.2	0.162 - 0.300	0.0473	W
Technetium-99	1.28E-05	1.63E-5	W		-21.5	1.14E-5 - 2.12E-5	1.65E-06	A
Thallium	0.154	0.156	A		-1.3	0.109 - 0.203	0.0308	W
Uranium-235	0.000361	0.000385	A		-6.2	2.70E-4 - 5.01E-4	0.000072	W
Uranium-238	0.0503	0.0531	A		-5.3	0.0372 - 0.0690	0.0101	W
Uranium-Total	0.0507	0.0535	A		-5.2	0.0375 - 0.0696	0.0101	W
Vanadium	0.341	0.340	A		0.3	0.238 - 0.442	0.0683	W
Zinc	0.249	0.288	A		-13.5	0.202 - 0.374	0.0497	W

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.774	0.787	A		-1.7	0.551 - 1.023	0.0444	A
Cesium-134	7.57	8.70	A		-13.0	6.09 - 11.31	0.381	A
Cesium-137	10.5	10.6	A		-0.9	7.4 - 13.8	0.480	A
Chromium-51	45.2	46.6	A		-3.0	32.6 - 60.6	3.18	A
Cobalt-57	11.9	12.4	A		-4.0	8.7 - 16.1	0.484	A
Cobalt-58	0.0333		A			False Positive Test	0.0631	
Cobalt-60	10.7	11.05	A		-3.2	7.74 - 14.37	0.531	A
Hydrogen-3	-8.04		A			False Positive Test	8.35	
Iron-55	34.1	41.1	A		-17.0	28.8 - 53.4	3.67	A
Manganese-54	8.88	9.36	A		-5.1	6.55 - 12.17	0.431	A
Nickel-63	23.3	29.2	W		-20.2	20.4 - 38.0	1.91	A
Plutonium-238	0.665	0.666	A		-0.2	0.466 - 0.866	0.0421	A
Plutonium-239/240	0.562	0.615	A		-8.6	0.431 - 0.800	0.0374	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.321		A			False Positive Test	0.765
Radium-226	0.436	0.700	N		-37.7	0.490 - 0.910	0.0632 A
Strontium-90	0.0334		A			False Positive Test	0.0216
Technetium-99	10.0	10.2	A		-2.0	7.1 - 13.3	0.739 A
Uranium-234	0.581	0.65	A		-10.6	0.46 - 0.85	0.0369 A
Uranium-238	0.649	0.66	A		-1.7	0.46 - 0.86	0.0397 A
Zinc-65	11.4	11.2	A		1.8	7.8 - 14.6	0.593 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

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(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(GPCL01) Georgia Power Company Environmental Laboratory
2480 Maner Road
Atlanta, GA 30339

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.55	8.70	A		-1.7	6.09 - 11.31	0.58	A
Cesium-137	11.00	10.6	A		3.8	7.4 - 13.8	0.85	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.31	12.4	A		-0.7	8.7 - 16.1	0.89	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.26	11.05	A		1.9	7.74 - 14.37	0.79	A
Hydrogen-3	7.24		A			False Positive Test	7.14	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.7	9.36	A		3.6	6.55 - 12.17	0.78	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.1		A			False Positive Test	3.63
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	0.8732		N	(1)		False Positive Test	0.2033
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	12.19	11.2	A		8.8	7.8 - 14.6	1.18 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(HCAL01) Lawrence Livermore National Laboratory
Analytical Services and Instrumentation Analytical Lab
Livermore, CA 94550

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	-2		A			False Positive Test		4
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

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(11) = False Positive Test, Result Not Reported

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(28) = Not Reporting Previously Reported Analyte

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(HECR01) SC Department of Environmental Services

8231 Parklane Road

Columbia, SC 29223

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.520	8.70	A		-2.1	6.09 - 11.31	0.5682	A
Cesium-137	11.65	10.6	A		9.9	7.4 - 13.8	0.7629	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.73	12.4	A		2.7	8.7 - 16.1	1.840	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.09	11.05	A		0.4	7.74 - 14.37	0.6865	A
Hydrogen-3	2.99		A			False Positive Test	3.31	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.886	9.36	A		5.6	6.55 - 12.17	0.6622	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	4.833		N	(1)		False Positive Test	0.9413	
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	10.84	11.2	A		-3.2	7.8 - 14.6	0.7973	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(HPAC99) UKHSA, RCE Glasgow

155 Hardgate Road

Glasgow, Scotland G51 4LS

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	0.139354	0.139	A		0.3	0.097 - 0.181	0.006271	A
Barium	0.373427	0.373	A		0.1	0.261 - 0.485	0.037343	A
Beryllium	0.21176	0.204	A		3.8	0.143 - 0.265	0.014823	A
Cadmium	0.281708	0.272	A		3.6	0.190 - 0.354	0.014085	A
Chromium	0.262242	0.254	A		3.2	0.178 - 0.330	0.017046	A
Cobalt	0.204653	0.203	A		0.8	0.142 - 0.264	0.013302	A
Copper	0.034989	0.0347	A		0.8	0.0243 - 0.0451	0.002274	A
Lead	0.137917	0.137	A		0.7	0.096 - 0.178	0.008275	A
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	0.0000175	1.63E-5	A		7.5	1.14E-5 - 2.12E-5	0.000001	A
Thallium	0.154985	0.156	A		-0.7	0.109 - 0.203	0.010849	A
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	0.052367	0.0531	A		-1.4	0.0372 - 0.0690	0.004975	A
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	0.351665	0.340	A		3.4	0.238 - 0.442	0.019342	A
Zinc	0.300395	0.288	A		4.3	0.202 - 0.374	0.02253	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	.7037	0.787	A		-10.6	0.551 - 1.023	.0766	A
Cesium-134	8.63	8.70	A		-0.8	6.09 - 11.31	0.42	A
Cesium-137	10.73	10.6	A		1.2	7.4 - 13.8	.55	A
Chromium-51	46.37	46.6	A		-0.5	32.6 - 60.6	4.42	A
Cobalt-57	12.03	12.4	A		-3.0	8.7 - 16.1	.6	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.45	11.05	A		3.6	7.74 - 14.37	.55	A
Hydrogen-3	NR		N	(11)		False Positive Test		
Iron-55	36.5455	41.1	A		-11.1	28.8 - 53.4	3.1675	A
Manganese-54	8.92	9.36	A		-4.7	6.55 - 12.17	0.47	A
Nickel-63	30.0205	29.2	A		2.8	20.4 - 38.0	1.765	A
Plutonium-238	.631	0.666	A		-5.3	0.466 - 0.866	.0375	A
Plutonium-239/240	.5887	0.615	A		-4.3	0.431 - 0.800	.0357	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR		N	(11)		False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	0.214		A			False Positive Test	0.095
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.694	0.65	A		6.8	0.46 - 0.85	0.075 A
Uranium-238	0.634	0.66	A		-3.9	0.46 - 0.86	0.0718 A
Zinc-65	11.72	11.2	A		4.6	7.8 - 14.6	.67 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(IAEA20) IAEA Marine Environment Laboratories, Radiometrics Laboratory

4a, Quai Antoine 1er

Monaco, Monaco 98000

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.84	0.787	A		6.7	0.551 - 1.023	0.12	A
Cesium-134	8.39	8.70	A		-3.6	6.09 - 11.31	0.46	A
Cesium-137	10.73	10.6	A		1.2	7.4 - 13.8	0.58	A
Chromium-51	48.02	46.6	A		3.0	32.6 - 60.6	6.32	A
Cobalt-57	12.10	12.4	A		-2.4	8.7 - 16.1	0.80	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.73	11.05	A		-2.9	7.74 - 14.37	0.61	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.21	9.36	A		-1.6	6.55 - 12.17	0.52	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-0.01		A			False Positive Test	0.5
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	12.09	11.2	A		7.9	7.8 - 14.6	0.76 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
(IAEA99) International Atomic Energy Agency
Agency's Laboratories Seibersdorf
Seibersdorf, Austria A-2444

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	0.147	0.139	A		5.8	0.097 - 0.181	0.007	A
Barium	0.331	0.373	A		-11.3	0.261 - 0.485	0.030	A
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	0.277	0.272	A		1.8	0.190 - 0.354	0.008	A
Chromium	0.252	0.254	A		-0.8	0.178 - 0.330	0.007	A
Cobalt	0.203	0.203	A		0.0	0.142 - 0.264	0.005	A
Copper	0.040	0.0347	A		15.3	0.0243 - 0.0451	0.006	A
Lead	0.142	0.137	A		3.7	0.096 - 0.178	0.005	A
Mercury	NR					False Positive Test		
Nickel	0.009		A			False Positive Test	0.005	
Selenium	0.242	0.231	A		4.8	0.162 - 0.300	0.012	A
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	0.000375	0.000385	A		-2.6	2.70E-4 - 5.01E-4	0.000012	A
Uranium-238	0.0528	0.0531	A		-0.6	0.0372 - 0.0690	0.0012	A
Uranium-Total	0.0532	0.0535	A		-0.6	0.0375 - 0.0696	0.0012	A
Vanadium	0.354	0.340	A		4.1	0.238 - 0.442	0.010	A
Zinc	0.281	0.288	A		-2.4	0.202 - 0.374	0.024	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.713	0.787	A		-9.4	0.551 - 1.023	0.085	A
Cesium-134	8.25	8.70	A		-5.2	6.09 - 11.31	0.35	A
Cesium-137	10.60	10.6	A		0.0	7.4 - 13.8	0.39	A
Chromium-51	45.02	46.6	A		-3.4	32.6 - 60.6	6.16	A
Cobalt-57	12.24	12.4	A		-1.3	8.7 - 16.1	0.31	A
Cobalt-58	-0.197		A			False Positive Test	0.305	
Cobalt-60	10.88	11.05	A		-1.5	7.74 - 14.37	0.41	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.00	9.36	A		-3.8	6.55 - 12.17	0.31	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.758		A			False Positive Test	1.287
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.691	0.65	A		6.3	0.46 - 0.85	0.021 A
Uranium-238	0.685	0.66	A		3.8	0.46 - 0.86	0.021 A
Zinc-65	11.12	11.2	A		-0.7	7.8 - 14.6	0.71 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(IEMA01) Illinois Emergency Management Agency Radiochemistry Laboratory

1301 Knotts St.

Springfield, IL 62703

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.6970	0.787	A		-11.4	0.551 - 1.023	0.03008	A
Cesium-134	8.37	8.70	A		-3.8	6.09 - 11.31	0.107	N
Cesium-137	10.6	10.6	A		0.0	7.4 - 13.8	0.199	N
Chromium-51	46.0	46.6	A		-1.3	32.6 - 60.6	1.93	A
Cobalt-57	12.2	12.4	A		-1.6	8.7 - 16.1	0.167	N
Cobalt-58	-0.0757		A			False Positive Test	0.069	
Cobalt-60	10.8	11.05	A		-2.3	7.74 - 14.37	0.142	N
Hydrogen-3	0.576		A			False Positive Test	1.40	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.17	9.36	A		-2.0	6.55 - 12.17	0.169	N
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.6944	0.666	A		4.3	0.466 - 0.866	0.03304	A
Plutonium-239/240	0.6462	0.615	A		5.1	0.431 - 0.800	0.03138	A

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	0.0673		A			False Positive Test	0.281	
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	0.067		A			False Positive Test	0.087	
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	0.6811	0.65	A		4.8	0.46 - 0.85	0.03380	A
Uranium-238	0.6566	0.66	A		-0.5	0.46 - 0.86	0.03293	A
Zinc-65	11.5	11.2	A		2.7	7.8 - 14.6	0.253	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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A = ACCEPTABLE.....2% ≤ RP ≤ 15%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

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Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(ISUE01) ISU Environmental Monitoring Laboratory

785 5th 8th Ave Rm B107

Pocatello, ID 83209

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	9.2	8.70	A		5.7	6.09 - 11.31	0.3	A
Cesium-137	11.1	10.6	A		4.7	7.4 - 13.8	0.4	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	11.6	12.4	A		-6.5	8.7 - 16.1	0.3	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.8	11.05	A		-2.3	7.74 - 14.37	0.2	N
Hydrogen-3	3.8		N	(1)		False Positive Test	1.2	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.0	9.36	A		-3.8	6.55 - 12.17	0.3	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	1.2		A			False Positive Test	0.8
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	10.5	11.2	A		-6.3	7.8 - 14.6	0.4 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(JLNN01) Jefferson Laboratory

111 Hadron Drive

Newport News, VA 23606

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.665	0.787	A		-15.5	0.551 - 1.023	0.06213	A
Cesium-134	6.64	8.70	W		-23.7	6.09 - 11.31	0.1666	A
Cesium-137	8.77	10.6	A		-17.3	7.4 - 13.8	0.2057	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	10.1	12.4	A		-18.5	8.7 - 16.1	0.22845	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	9	11.05	A		-18.6	7.74 - 14.37	0.2174	A
Hydrogen-3	3.68		A			False Positive Test	16.577	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	7.89	9.36	A		-15.7	6.55 - 12.17	0.19172	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-0.0541		A			False Positive Test	0.7445
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	9.52	11.2	A		-15.0	7.8 - 14.6	0.32167 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(LOCK03) Advanced Test Reactor (ATR) Complex Radioanalytical Laboratory

INL/Battelle Energy Alliance, LLC

Idaho Falls, ID 83415-7111

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.651	0.170	N		282.9	0.119 - 0.221	0.117	W
Arsenic	0.133	0.139	A		-4.3	0.097 - 0.181	0.011	A
Barium	0.340	0.373	A		-8.8	0.261 - 0.485	0.025	A
Beryllium	0.203	0.204	A		-0.5	0.143 - 0.265	0.027	A
Cadmium	0.260	0.272	A		-4.4	0.190 - 0.354	0.017	A
Chromium	0.243	0.254	A		-4.3	0.178 - 0.330	0.019	A
Cobalt	0.193	0.203	A		-4.9	0.142 - 0.264	0.014	A
Copper	0.0317	0.0347	A		-8.6	0.0243 - 0.0451	0.0025	A
Lead	0.129	0.137	A		-5.8	0.096 - 0.178	0.014	A
Mercury	NR					False Positive Test		
Nickel	0.0003		N	(1)		False Positive Test	0.00004	
Selenium	0.234	0.231	A		1.3	0.162 - 0.300	0.016	A
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.147	0.156	A		-5.8	0.109 - 0.203	0.011	A
Uranium-235	0.000399	0.000385	A		3.6	2.70E-4 - 5.01E-4	0.000029	A
Uranium-238	.00548	0.0531	N		-89.7	0.0372 - 0.0690	.0040	N
Uranium-Total	0.0552	0.0535	A		3.2	0.0375 - 0.0696	0.0041	A
Vanadium	0.328	0.340	A		-3.5	0.238 - 0.442	0.037	A
Zinc	0.277	0.288	A		-3.8	0.202 - 0.374	0.032	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.93	8.70	A		2.6	6.09 - 11.31	0.3	A
Cesium-137	12.33	10.6	A		16.3	7.4 - 13.8	0.53	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.8	12.4	A		3.2	8.7 - 16.1	0.42	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.75	11.05	A		6.3	7.74 - 14.37	0.39	A
Hydrogen-3	-0.841		A			False Positive Test	43.4	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	10.12	9.36	A		8.1	6.55 - 12.17	0.54	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-4.19		A			False Positive Test	9.31
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	14.65	11.2	N		30.8	7.8 - 14.6	0.98 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| <= 20%

W = Result acceptable with warning.....20% < |Bias| <= 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% <= RP <= 15%

W = ACCEPTABLE WITH WARNING.....15% <= RP <= 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(LZCA01) ACZ Laboratories, Inc
2773 Downhill Drive
Steamboat Springs, CO 80487

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	0.649	0.700	A		-7.3	0.490 - 0.910	0.050 A
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
 (MART01) Southern Ohio Cleanup Company LLC
 COC, Bldg. X-705, Rm 106
 Piketon, OH 45661

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.747	0.787	A		-5.1	0.551 - 1.023	0.03485	A
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.668	0.666	A		0.3	0.466 - 0.866	0.03717	A
Plutonium-239/240	0.591	0.615	A		-3.9	0.431 - 0.800	0.03389	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	10.7	10.2	A		4.9	7.1 - 13.3	0.32 A
Uranium-234	0.644	0.65	A		-0.9	0.46 - 0.85	0.04128 A
Uranium-238	0.567	0.66	A		-14.1	0.46 - 0.86	0.03736 A
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
 (MART03) Radioactive Material Analysis Laboratory
 ORNL
 Oak Ridge, TN 37830

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.172	0.170	A		1.2	0.119 - 0.221	0.017	A
Arsenic	0.130	0.139	A		-6.5	0.097 - 0.181	0.013	A
Barium	0.362	0.373	A		-2.9	0.261 - 0.485	0.036	A
Beryllium	0.219	0.204	A		7.4	0.143 - 0.265	0.022	A
Cadmium	0.279	0.272	A		2.6	0.190 - 0.354	0.028	A
Chromium	0.249	0.254	A		-2.0	0.178 - 0.330	0.025	A
Cobalt	0.198	0.203	A		-2.5	0.142 - 0.264	0.020	A
Copper	0.0300	0.0347	A		-13.5	0.0243 - 0.0451	0.0030	A
Lead	0.128	0.137	A		-6.6	0.096 - 0.178	0.013	A
Mercury	0.000083		A			False Positive Test	0.000083	
Nickel	0.0027		A			False Positive Test	0.0027	
Selenium	0.226	0.231	A		-2.2	0.162 - 0.300	0.023	A
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.154	0.156	A		-1.3	0.109 - 0.203	0.015	A
Uranium-235	0.000392	0.000385	A		1.8	2.70E-4 - 5.01E-4	0.000039	A
Uranium-238	0.0538	0.0531	A		1.3	0.0372 - 0.0690	0.0054	A
Uranium-Total	0.0542	0.0535	A		1.3	0.0375 - 0.0696	0.0054	A
Vanadium	0.357	0.340	A		5.0	0.238 - 0.442	0.036	A
Zinc	0.292	0.288	A		1.4	0.202 - 0.374	0.029	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.750	0.787	A		-4.7	0.551 - 1.023	0.045	A
Cesium-134	8.91	8.70	A		2.4	6.09 - 11.31	0.14	N
Cesium-137	10.76	10.6	A		1.5	7.4 - 13.8	0.26	A
Chromium-51	44.1	46.6	A		-5.4	32.6 - 60.6	2.6	A
Cobalt-57	11.97	12.4	A		-3.5	8.7 - 16.1	0.22	N
Cobalt-58	0.50		A			False Positive Test	0.50	
Cobalt-60	11.06	11.05	A		0.1	7.74 - 14.37	0.20	N
Hydrogen-3	0.0001		A			False Positive Test	2.7	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.44	9.36	A		0.9	6.55 - 12.17	0.24	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.662	0.666	A		-0.6	0.466 - 0.866	0.032	A
Plutonium-239/240	0.596	0.615	A		-3.1	0.431 - 0.800	0.029	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	2.8		A			False Positive Test	2.8
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	0.131		A			False Positive Test	0.095
Technetium-99	9.52	10.2	A		-6.7	7.1 - 13.3	0.67 A
Uranium-234	0.659	0.65	A		1.4	0.46 - 0.85	0.041 A
Uranium-238	0.685	0.66	A		3.8	0.46 - 0.86	0.042 A
Zinc-65	11.51	11.2	A		2.8	7.8 - 14.6	0.42 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(MDPH01) MDPH-Division of Radiation Control

MERL-Room 0066

Jamaica Plain, MA 02130-3597

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.77	0.787	A		-2.2	0.551 - 1.023	0.14	W
Cesium-134	7.86	8.70	A		-9.7	6.09 - 11.31	0.22	A
Cesium-137	11.10	10.6	A		4.7	7.4 - 13.8	0.33	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.18	12.4	A		-1.8	8.7 - 16.1	0.47	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.33	11.05	A		2.5	7.74 - 14.37	0.38	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.74	9.36	A		4.1	6.55 - 12.17	0.30	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	26.49		N	(1)		False Positive Test	1.35	
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	12.04	11.2	A		7.5	7.8 - 14.6	0.38	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Laboratory Results For MAPEP-26-MaW54

(MNDH01) Minnesota Department of Health, Public Health Lab. Division

601 Robert St. N.

St. Paul, MN 55155

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	7.976	8.70	A		-8.3	6.09 - 11.31	0.092	N
Cesium-137	11.464	10.6	A		8.2	7.4 - 13.8	0.156	N
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.897	12.4	A		4.0	8.7 - 16.1	0.122	N
Cobalt-58	-0.051		A			False Positive Test	0.118	
Cobalt-60	11.567	11.05	A		4.7	7.74 - 14.37	0.127	N
Hydrogen-3	NR		N	(11)		False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	10.425	9.36	A		11.4	6.55 - 12.17	0.167	N
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-0.145		A			False Positive Test	1.018
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	13.135	11.2	A		17.3	7.8 - 14.6	0.309 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(NARL01) National Analytical Radiation Environmental Laboratory

540 S. Morris Ave.

Montgomery, AL 36115-2601

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.853	0.787	A		8.4	0.551 - 1.023	0.0436	A
Cesium-134	8.56	8.70	A		-1.6	6.09 - 11.31	0.479	A
Cesium-137	11.3	10.6	A		6.6	7.4 - 13.8	0.641	A
Chromium-51	49.8	46.6	A		6.9	32.6 - 60.6	6.10	A
Cobalt-57	12.7	12.4	A		2.4	8.7 - 16.1	0.722	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.0	11.05	A		-0.5	7.74 - 14.37	0.614	A
Hydrogen-3	1.95		A			False Positive Test	1.64	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.81	9.36	A		4.8	6.55 - 12.17	0.569	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.693	0.666	A		4.1	0.466 - 0.866	0.0333	A
Plutonium-239/240	0.591	0.615	A		-3.9	0.431 - 0.800	0.0292	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-1.29		A			False Positive Test	0.924
Radium-226	0.739	0.700	A		5.6	0.490 - 0.910	0.0376 A
Strontium-90	0.0105		A			False Positive Test	0.0173
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.631	0.65	A		-2.9	0.46 - 0.85	0.0324 A
Uranium-238	0.625	0.66	A		-5.3	0.46 - 0.86	0.0322 A
Zinc-65	11.9	11.2	A		6.3	7.8 - 14.6	0.709 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

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(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(NESI01) BWXT-Radioisotope & Analytical Chemistry Laboratory

Lynchburg Technology Center

Lynchburg, VA 24504-5447

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.178	0.170	A		4.7	0.119 - 0.221	0.002	N
Arsenic	0.114	0.139	A		-18.0	0.097 - 0.181	0.002	N
Barium	0.419	0.373	A		12.3	0.261 - 0.485	0.005	N
Beryllium	0.214	0.204	A		4.9	0.143 - 0.265	0.002	N
Cadmium	0.285	0.272	A		4.8	0.190 - 0.354	0.003	N
Chromium	0.290	0.254	A		14.2	0.178 - 0.330	0.003	N
Cobalt	0.233	0.203	A		14.8	0.142 - 0.264	0.003	N
Copper	0.058	0.0347	N		67.1	0.0243 - 0.0451	0.001	N
Lead	0.15	0.137	A		9.5	0.096 - 0.178	0.002	N
Mercury	0.00001		N	(1)		False Positive Test	0.000003	
Nickel	0.005		N	(1)		False Positive Test	0.0001	
Selenium	0.177	0.231	W		-23.4	0.162 - 0.300	0.006	A
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.16	0.156	A		2.6	0.109 - 0.203	0.002	N
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	0.436	0.340	W		28.2	0.238 - 0.442	0.005	N
Zinc	0.357	0.288	W		24.0	0.202 - 0.374	0.004	N

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.753	0.787	A		-4.3	0.551 - 1.023	0.037	A
Cesium-134	7.50	8.70	A		-13.8	6.09 - 11.31	0.33	A
Cesium-137	10.93	10.6	A		3.1	7.4 - 13.8	0.39	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.7	12.4	A		2.4	8.7 - 16.1	0.37	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.1	11.05	A		0.5	7.74 - 14.37	0.42	A
Hydrogen-3	0.411		A			False Positive Test	7.20	
Iron-55	39.2	41.1	A		-4.6	28.8 - 53.4	2.93	A
Manganese-54	9.44	9.36	A		0.9	6.55 - 12.17	0.43	A
Nickel-63	23.6	29.2	A		-19.2	20.4 - 38.0	2.04	A
Plutonium-238	0.620	0.666	A		-6.9	0.466 - 0.866	0.028	A
Plutonium-239/240	0.599	0.615	A		-2.6	0.431 - 0.800	0.027	A

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	9.48		N	(1)		False Positive Test	1.94	
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	-0.058		A			False Positive Test	0.095	
Technetium-99	13.8	10.2	N		35.3	7.1 - 13.3	0.348	A
Uranium-234	0.524	0.65	A		-19.4	0.46 - 0.85	0.024	A
Uranium-238	0.529	0.66	A		-19.8	0.46 - 0.86	0.025	A
Zinc-65	11.6	11.2	A		3.6	7.8 - 14.6	0.69	A

Radiological Reference Date: February 1, 2026

Results Flags:

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W = Result acceptable with warning.....20% < |Bias| ≤ 30%

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RW = Report Warning

NR = Not Reported

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

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(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
(NJDH01) New Jersey Dept. of Health, ECLS
3 Schwarzkopf Drive
Ewing, NJ 08628

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.56	8.70	A		-1.6	6.09 - 11.31	0.561	A
Cesium-137	11.2	10.6	A		5.7	7.4 - 13.8	0.679	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	11.7	12.4	A		-5.6	8.7 - 16.1	0.559	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.6	11.05	A		5.0	7.74 - 14.37	0.769	A
Hydrogen-3	3.0		A			False Positive Test	13.0	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.94	9.36	A		-4.5	6.55 - 12.17	0.665	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	1.81		A			False Positive Test	2.82
Radium-226	0.81	0.700	A		15.7	0.490 - 0.910	0.13 W
Strontium-90	0.02		A			False Positive Test	0.19
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	10.5	11.2	A		-6.3	7.8 - 14.6	1.19 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

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(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
 (ODHL01) Ohio Department of Health Laboratory
 8995 E Main Street
 Reynoldsburg, OH 43068

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.59	8.70	A		-1.3	6.09 - 11.31	0.290	A
Cesium-137	10.5	10.6	A		-0.9	7.4 - 13.8	0.654	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	11.5	12.4	A		-7.3	8.7 - 16.1	0.848	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.6	11.05	A		-4.1	7.74 - 14.37	0.328	A
Hydrogen-3	9.68		A			False Positive Test	4.68	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.89	9.36	A		-5.0	6.55 - 12.17	0.565	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.0580		A			False Positive Test	0.633
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	10.7	11.2	A		-4.5	7.8 - 14.6	0.563 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(OTLI01) Pace Analytical National Center for Testing & Innovation

12065 Lebanon Road

Mt. Juliet, TN 37122

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.172	0.170	A		1.2	0.119 - 0.221	.005	A
Arsenic	0.131	0.139	A		-5.8	0.097 - 0.181	.001	N
Barium	0.369	0.373	A		-1.1	0.261 - 0.485	0.005	N
Beryllium	0.205	0.204	A		0.5	0.143 - 0.265	0.001	N
Cadmium	0.279	0.272	A		2.6	0.190 - 0.354	0.001	N
Chromium	0.254	0.254	A		0.0	0.178 - 0.330	0.02	A
Cobalt	0.2	0.203	A		-1.5	0.142 - 0.264	0.002	N
Copper	0.0329	0.0347	A		-5.2	0.0243 - 0.0451	0.001	A
Lead	0.13	0.137	A		-5.1	0.096 - 0.178	0.002	N
Mercury	-0.0002		A			False Positive Test	0.0002	
Nickel	-0.002		A			False Positive Test	0.002	
Selenium	0.22	0.231	A		-4.8	0.162 - 0.300	0.002	N
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.147	0.156	A		-5.8	0.109 - 0.203	0.001	N
Uranium-235	0.00032	0.000385	A		-16.9	2.70E-4 - 5.01E-4	.0001	N
Uranium-238	0.0466	0.0531	A		-12.2	0.0372 - 0.0690	.001	A
Uranium-Total	0.0484	0.0535	A		-9.5	0.0375 - 0.0696	0.001	A
Vanadium	0.344	0.340	A		1.2	0.238 - 0.442	.005	N
Zinc	0.274	0.288	A		-4.9	0.202 - 0.374	0.02	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.386	0.787	N		-51.0	0.551 - 1.023	0.073	W
Cesium-134	7.9	8.70	A		-9.2	6.09 - 11.31	0.6	A
Cesium-137	10.1	10.6	A		-4.7	7.4 - 13.8	0.8	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	11.1	12.4	A		-10.5	8.7 - 16.1	0.8	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.1	11.05	A		-8.6	7.74 - 14.37	0.8	A
Hydrogen-3	-18		A			False Positive Test	16.2	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.3	9.36	A		-11.3	6.55 - 12.17	0.6	A
Nickel-63	25.7	29.2	A		-12.0	20.4 - 38.0	1.5	A
Plutonium-238	0.568	0.666	A		-14.7	0.466 - 0.866	0.061	A
Plutonium-239/240	0.579	0.615	A		-5.9	0.431 - 0.800	0.06	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-2.3		A			False Positive Test	2.2
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	-0.043		A			False Positive Test	0.110
Technetium-99	9.28	10.2	A		-9.0	7.1 - 13.3	0.48 A
Uranium-234	0.759	0.65	A		16.8	0.46 - 0.85	0.097 A
Uranium-238	0.724	0.66	A		9.7	0.46 - 0.86	0.098 A
Zinc-65	12.2	11.2	A		8.9	7.8 - 14.6	1.4 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(QUAN01) Eurofins St. Louis
13715 Rider Trail North
Earth City, MO 63045-1205

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	0.601	0.700	A		-14.1	0.490 - 0.910	0.0383 A
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

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W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(RJLG01) RJ Lee Group - Columbia Basin Analytical Laboratories (CBAL)

2710 North 20th Avenue

Pasco, WA 99301

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.161	0.170	A		-5.3	0.119 - 0.221	0.050	N
Arsenic	0.145	0.139	A		4.3	0.097 - 0.181	0.072	N
Barium	0.355	0.373	A		-4.8	0.261 - 0.485	0.015	A
Beryllium	0.202	0.204	A		-1.0	0.143 - 0.265	0.018	A
Cadmium	0.261	0.272	A		-4.0	0.190 - 0.354	0.013	A
Chromium	0.250	0.254	A		-1.6	0.178 - 0.330	0.010	A
Cobalt	0.197	0.203	A		-3.0	0.142 - 0.264	0.010	A
Copper	0.033	0.0347	A		-4.9	0.0243 - 0.0451	0.002	A
Lead	0.136	0.137	A		-0.7	0.096 - 0.178	0.007	A
Mercury	0.00004		N	(1)		False Positive Test	0.000000	
Nickel	0.0004		N	(1)		False Positive Test	0.000002	
Selenium	0.229	0.231	A		-0.9	0.162 - 0.300	0.018	A
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.154	0.156	A		-1.3	0.109 - 0.203	0.007	A
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	0.054	0.0535	A		0.9	0.0375 - 0.0696	0.002	A
Vanadium	0.342	0.340	A		0.6	0.238 - 0.442	0.013	A
Zinc	0.296	0.288	A		2.8	0.202 - 0.374	0.067	W

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(RPSC01) Radiation Protection Service

O. Ministry of Labour, Immigration, Training & Skills Development

Mississauga, Ontario L4V 1W8

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	8.22	8.70	A		-5.5	6.09 - 11.31	0.113	N
Cesium-137	10.4	10.6	A		-1.9	7.4 - 13.8	0.211	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.3	12.4	A		-0.8	8.7 - 16.1	0.202	N
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.8	11.05	A		-2.3	7.74 - 14.37	0.162	N
Hydrogen-3	0.09		A			False Positive Test	5.5	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.92	9.36	A		-4.7	6.55 - 12.17	0.204	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.262		A			False Positive Test	0.334
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	11.2	11.2	A		0.0	7.8 - 14.6	0.287 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(SANC99) RadioAnalysis, South Africa Nuclear Energy Corp.

Sample Receipt Gate 1

Pretoria, Gauteng 0001

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	7.99	8.70	A		-8.2	6.09 - 11.31	0.27	A
Cesium-137	10.79	10.6	A		1.8	7.4 - 13.8	0.35	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.48	12.4	A		0.6	8.7 - 16.1	0.43	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	9.98	11.05	A		-9.7	7.74 - 14.37	0.33	A
Hydrogen-3	18.67		A			False Positive Test	18.67	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.81	9.36	A		-5.9	6.55 - 12.17	0.31	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	67.53		N	(1)		False Positive Test	3.52	
Radium-226	0.643	0.700	A		-8.1	0.490 - 0.910	0.056	A
Strontium-90	1.525		N	(1)		False Positive Test	0.190	
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	12.54	11.2	A		12.0	7.8 - 14.6	0.73	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

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N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
(SAVA01) Battelle Savannah River Alliance
SRNL (non-purchased material receipt)
AIKEN, SC 29808-0000

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.157	0.170	A		-7.6	0.119 - 0.221	0.016	A
Arsenic	0.134	0.139	A		-3.6	0.097 - 0.181	0.013	A
Barium	0.342	0.373	A		-8.3	0.261 - 0.485	0.034	A
Beryllium	0.195	0.204	A		-4.4	0.143 - 0.265	0.010	A
Cadmium	0.265	0.272	A		-2.6	0.190 - 0.354	0.027	A
Chromium	0.251	0.254	A		-1.2	0.178 - 0.330	0.013	A
Cobalt	0.184	0.203	A		-9.4	0.142 - 0.264	0.010	A
Copper	0.0311	0.0347	A		-10.4	0.0243 - 0.0451	0.010	N
Lead	0.127	0.137	A		-7.3	0.096 - 0.178	0.013	A
Mercury	0.010		A			False Positive Test	0.006	
Nickel	0.00327		A			False Positive Test	0.002	
Selenium	0.222	0.231	A		-3.9	0.162 - 0.300	0.022	A
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.155	0.156	A		-0.6	0.109 - 0.203	0.015	A
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	0.0496	0.0535	A		-7.3	0.0375 - 0.0696	0.0050	A
Vanadium	0.348	0.340	A		2.4	0.238 - 0.442	0.018	A
Zinc	0.279	0.288	A		-3.1	0.202 - 0.374	0.014	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70	N	(28)		6.09 - 11.31		
Cesium-137	NR	10.6	N	(28)		7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4	N	(28)		8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05	N	(28)		7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36	N	(28)		6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	NR		N	(11)		False Positive Test		
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	NR	11.2	N	(28)		7.8 - 14.6		

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(SEML01) SRS Environmental Monitoring Laboratory

Bldg 735-B

Aiken, SC 29808

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	0.133	0.170	W		-21.8	0.119 - 0.221	0.016	A
Arsenic	0.155	0.139	A		11.5	0.097 - 0.181	0.016	A
Barium	0.326	0.373	A		-12.6	0.261 - 0.485	0.029	A
Beryllium	0.178	0.204	A		-12.7	0.143 - 0.265	0.014	A
Cadmium	0.239	0.272	A		-12.1	0.190 - 0.354	0.026	A
Chromium	0.226	0.254	A		-11.0	0.178 - 0.330	0.023	A
Cobalt	0.183	0.203	A		-9.9	0.142 - 0.264	0.016	A
Copper	0.0310	0.0347	A		-10.7	0.0243 - 0.0451	0.0030	A
Lead	0.138	0.137	A		0.7	0.096 - 0.178	0.013	A
Mercury	0.0002		A			False Positive Test	0.0002	
Nickel	0.0030		A			False Positive Test	0.0030	
Selenium	0.230	0.231	A		-0.4	0.162 - 0.300	0.030	A
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	0.173	0.156	A		10.9	0.109 - 0.203	0.017	A
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	0.311	0.340	A		-8.5	0.238 - 0.442	0.028	A
Zinc	0.254	0.288	A		-11.8	0.202 - 0.374	0.025	A

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.735	0.787	A		-6.6	0.551 - 1.023	0.040	A
Cesium-134	8.93	8.70	A		2.6	6.09 - 11.31	0.70	A
Cesium-137	11.30	10.6	A		6.6	7.4 - 13.8	0.96	A
Chromium-51	43.1	46.6	A		-7.5	32.6 - 60.6	8.0	W
Cobalt-57	12.50	12.4	A		0.8	8.7 - 16.1	0.94	A
Cobalt-58	-0.11		A			False Positive Test	0.27	
Cobalt-60	11.55	11.05	A		4.5	7.74 - 14.37	0.83	A
Hydrogen-3	-0.12		A			False Positive Test	20.47	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.60	9.36	A		2.6	6.55 - 12.17	0.95	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.707	0.666	A		6.2	0.466 - 0.866	0.040	A
Plutonium-239/240	0.619	0.615	A		0.7	0.431 - 0.800	0.037	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-0.4		A			False Positive Test	1.1
Radium-226	0.716	0.700	A		2.3	0.490 - 0.910	0.063 A
Strontium-90	-0.02		A			False Positive Test	0.12
Technetium-99	10.27	10.2	A		0.7	7.1 - 13.3	0.39 A
Uranium-234	0.669	0.65	A		2.9	0.46 - 0.85	0.040 A
Uranium-238	0.638	0.66	A		-3.3	0.46 - 0.86	0.038 A
Zinc-65	12.4	11.2	A		10.7	7.8 - 14.6	1.2 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

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(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(SLAC01) SLAC DOE National Accelerator Laboratory
2575 Sand Hill Road
Menlo Park, CA 94025

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	7.64	8.70	A		-12.2	6.09 - 11.31	0.76	A
Cesium-137	9.84	10.6	A		-7.2	7.4 - 13.8	0.98	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	11.05	12.4	A		-10.9	8.7 - 16.1	1.10	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.26	11.05	A		-7.1	7.74 - 14.37	1.03	A
Hydrogen-3	2		A			False Positive Test	2	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.72	9.36	A		-6.8	6.55 - 12.17	0.87	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	1		A			False Positive Test	1
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	11.33	11.2	A		1.2	7.8 - 14.6	1.13 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

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(11) = False Positive Test, Result Not Reported

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(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
(SLDA01) USACE SLDA FUSRAP Project
2992 River Road
Vandergrift, PA 15690

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.7498	0.787	A		-4.7	0.551 - 1.023	0.0564	A
Cesium-134	7.4377	8.70	A		-14.5	6.09 - 11.31	0.1189	N
Cesium-137	10.7380	10.6	A		1.3	7.4 - 13.8	0.2328	A
Chromium-51	44.876	46.6	A		-3.7	32.6 - 60.6	5.2832	A
Cobalt-57	12.5590	12.4	A		1.3	8.7 - 16.1	0.1967	N
Cobalt-58	0.09337		A			False Positive Test	0.08966	
Cobalt-60	11.2120	11.05	A		1.5	7.74 - 14.37	0.2155	N
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.5811	9.36	A		2.4	6.55 - 12.17	0.2384	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.6477	0.666	A		-2.7	0.466 - 0.866	0.0525	A
Plutonium-239/240	0.6150	0.615	A		0.0	0.431 - 0.800	0.0507	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.5757		A			False Positive Test	0.4324
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	0.0800		A			False Positive Test	0.0600
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.6838	0.65	A		5.2	0.46 - 0.85	0.0525 A
Uranium-238	0.6592	0.66	A		-0.1	0.46 - 0.86	0.0513 A
Zinc-65	12.6070	11.2	A		12.6	7.8 - 14.6	0.3774 A

Radiological Reference Date: February 1, 2026

Results Flags:

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N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(SOUT01) Southwest Research Institute

6220 Culebra Rd.

San Antonio, TX 78238-5166

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	0.000377	0.000385	A		-2.1	2.70E-4 - 5.01E-4	0.000066	W
Uranium-238	0.0515	0.0531	A		-3.0	0.0372 - 0.0690	0.00824	W
Uranium-Total	0.0520	0.0535	A		-2.8	0.0375 - 0.0696	0.00832	W
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.744	0.787	A		-5.5	0.551 - 1.023	0.0641	A
Cesium-134	7.85	8.70	A		-9.8	6.09 - 11.31	0.366	A
Cesium-137	10.5	10.6	A		-0.9	7.4 - 13.8	0.411	A
Chromium-51	59.3	46.6	W		27.3	32.6 - 60.6	10.3	W
Cobalt-57	11.7	12.4	A		-5.6	8.7 - 16.1	0.304	A
Cobalt-58	0.311		A			False Positive Test	0.496	
Cobalt-60	11.0	11.05	A		-0.5	7.74 - 14.37	0.481	A
Hydrogen-3	3.37		A			False Positive Test	2.39	
Iron-55	41.4	41.1	A		0.7	28.8 - 53.4	3.56	A
Manganese-54	9.59	9.36	A		2.5	6.55 - 12.17	0.459	A
Nickel-63	33.6	29.2	A		15.1	20.4 - 38.0	1.99	A
Plutonium-238	0.670	0.666	A		0.6	0.466 - 0.866	0.0507	A
Plutonium-239/240	0.656	0.615	A		6.7	0.431 - 0.800	0.0496	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	1.14		A			False Positive Test	1.97
Radium-226	0.607	0.700	A		-13.3	0.490 - 0.910	0.0430 A
Strontium-90	0.00519		A			False Positive Test	0.0302
Technetium-99	10.3	10.2	A		1.0	7.1 - 13.3	0.644 A
Uranium-234	0.685	0.65	A		5.4	0.46 - 0.85	0.0515 A
Uranium-238	0.641	0.66	A		-2.9	0.46 - 0.86	0.0489 A
Zinc-65	13.4	11.2	A		19.6	7.8 - 14.6	0.837 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

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RW = Report Warning

NR = Not Reported

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

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Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(SRPD01) Sandia National Laboratories, Radiation Protection Sample Diagnostics

PO Box 5800, MS1103

Albuquerque, NM 87185-1103

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	7.38E+00	8.70	A		-15.2	6.09 - 11.31	5.27E-01	A
Cesium-137	9.14E+00	10.6	A		-13.8	7.4 - 13.8	6.70E-01	A
Chromium-51	3.93E+01	46.6	A		-15.7	32.6 - 60.6	1.44	N
Cobalt-57	1.06E+01	12.4	A		-14.5	8.7 - 16.1	1.10	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	9.69E+00	11.05	A		-12.3	7.74 - 14.37	5.87E-01	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	8.13E+00	9.36	A		-13.1	6.55 - 12.17	5.80E-01	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	2.06E+01		N	(1)		False Positive Test	2.44	
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	1.02E+01	11.2	A		-8.9	7.8 - 14.6	8.67E-01	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| <= 20%

W = Result acceptable with warning.....20% < |Bias| <= 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% <= RP <= 15%

W = ACCEPTABLE WITH WARNING.....15% <= RP <= 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(STRL01) South Texas Project Radiological Laboratory

12090 FM 521

Wadsworth, TX 77483

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	1.627	8.70	N		-81.3	6.09 - 11.31	0.035	A
Cesium-137	NR	10.6	N	(28)		7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	1.069	12.4	N		-91.4	8.7 - 16.1	0.04	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05	N	(25)		7.74 - 14.37		
Hydrogen-3	NR		N	(11)		False Positive Test		
Iron-55	36.15	41.1	A		-12.0	28.8 - 53.4	0.497	N
Manganese-54	1.553	9.36	N		-83.4	6.55 - 12.17	0.042	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Potassium-40	NR		N	(11)		False Positive Test		
Radium-226	NR	0.700				0.490 - 0.910		
Strontium-90	NR					False Positive Test		
Technetium-99	NR	10.2				7.1 - 13.3		
Uranium-234	NR	0.65				0.46 - 0.85		
Uranium-238	NR	0.66				0.46 - 0.86		
Zinc-65	2.337	11.2	N		-79.1	7.8 - 14.6	0.075	A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.812	0.787	A		3.2	0.551 - 1.023	0.074	A
Cesium-134	8.20	8.70	A		-5.7	6.09 - 11.31	0.16	N
Cesium-137	10.37	10.6	A		-2.2	7.4 - 13.8	0.34	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.25	12.4	A		-1.2	8.7 - 16.1	0.30	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.66	11.05	A		-3.5	7.74 - 14.37	0.22	A
Hydrogen-3	9.7		A			False Positive Test	8.7	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.23	9.36	A		-1.4	6.55 - 12.17	0.27	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666	N	(28)		0.466 - 0.866		
Plutonium-239/240	NR	0.615	N	(28)		0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-0.22		A			False Positive Test	0.59
Radium-226	0.753	0.700	A		7.6	0.490 - 0.910	0.026 A
Strontium-90	0.020		A			False Positive Test	0.031
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.588	0.65	A		-9.5	0.46 - 0.85	0.054 A
Uranium-238	0.518	0.66	W		-21.5	0.46 - 0.86	0.049 A
Zinc-65	11.86	11.2	A		5.9	7.8 - 14.6	0.80 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(TELE01) Teledyne Brown Engineering - Environmental Services

2508 Quality Lane

Knoxville, TN 37931-6819

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	30.0	29.2	A		2.7	20.4 - 38.0	0.808	A
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	10.6	10.2	A		3.9	7.1 - 13.3	0.740 A
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Laboratory Results For MAPEP-26-MaW54
(TELE02) Microbac Laboratories Inc. - Northbrook
700 Landwehr Road
Northbrook, IL 60062-

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	7.45	8.70	A		-14.4	6.09 - 11.31	0.23	A
Cesium-137	10.5	10.6	A		-0.9	7.4 - 13.8	0.3	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.5	12.4	A		0.8	8.7 - 16.1	0.3	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.5	11.05	A		-5.0	7.74 - 14.37	0.3	A
Hydrogen-3	0.40		A			False Positive Test	3.32	
Iron-55	30.4	41.1	W		-26.0	28.8 - 53.4	14.5	N
Manganese-54	9.44	9.36	A		0.9	6.55 - 12.17	0.35	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	0.68		A			False Positive Test	1.50
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	-0.09		A			False Positive Test	0.08
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	10.8	11.2	A		-3.6	7.8 - 14.6	0.5 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
(TMAO01) EBERLINE Analytical Corporation
601 A SCARBORO RD
OAK RIDGE, TN 37830-

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.634	0.787	A		-19.4	0.551 - 1.023	0.154	W
Cesium-134	8.416	8.70	A		-3.3	6.09 - 11.31	0.710	A
Cesium-137	10.896	10.6	A		2.8	7.4 - 13.8	1.115	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	12.659	12.4	A		2.1	8.7 - 16.1	0.964	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	11.717	11.05	A		6.0	7.74 - 14.37	0.845	A
Hydrogen-3	45.579		N	(1)		False Positive Test	11.237	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.888	9.36	A		5.6	6.55 - 12.17	1.570	W
Nickel-63	32.206	29.2	A		10.3	20.4 - 38.0	1.556	A
Plutonium-238	1.048	0.666	N		57.4	0.466 - 0.866	0.288	W
Plutonium-239/240	0.897	0.615	N		45.9	0.431 - 0.800	0.254	W

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	3.845		A			False Positive Test	2.193
Radium-226	1.009	0.700	N		44.1	0.490 - 0.910	0.225 W
Strontium-90	0.083		A			False Positive Test	0.099
Technetium-99	4.522	10.2	N		-55.7	7.1 - 13.3	0.344 A
Uranium-234	0.681	0.65	A		4.8	0.46 - 0.85	0.155 W
Uranium-238	0.761	0.66	A		15.3	0.46 - 0.86	0.166 W
Zinc-65	12.269	11.2	A		9.5	7.8 - 14.6	1.995 W

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

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(25) = Result not reported with other gamma results

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Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
 (TNUT01) St. Louis USACE FUSRAP Laboratory
 112 James S McDonnell Blvd
 HAZELWOOD, MO 63042

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.600	0.787	W		-23.8	0.551 - 1.023	0.0720	A
Cesium-134	6.99	8.70	A		-19.7	6.09 - 11.31	.140	A
Cesium-137	10.9	10.6	A		2.8	7.4 - 13.8	.312	A
Chromium-51	49.0	46.6	A		5.2	32.6 - 60.6	3.33	A
Cobalt-57	12.2	12.4	A		-1.6	8.7 - 16.1	.239	N
Cobalt-58	-0.128		A			False Positive Test	0.101	
Cobalt-60	11.2	11.05	A		1.4	7.74 - 14.37	.246	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.49	9.36	A		1.4	6.55 - 12.17	.259	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	6.54		A			False Positive Test	2.29
Radium-226	0.807	0.700	A		15.3	0.490 - 0.910	0.0680 A
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.641	0.65	A		-1.4	0.46 - 0.85	0.474 N
Uranium-238	0.710	0.66	A		7.6	0.46 - 0.86	0.0510 A
Zinc-65	12.5	11.2	A		11.6	7.8 - 14.6	.645 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

W = ACCEPTABLE WITH WARNING.....15% ≤ RP ≤ 30%

N = NOT ACCEPTABLE.....RP > 30%

Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
 (WEST04) PACE ANALYTICAL SERVICES, GREENSBURG
 1638 Roseytown Road
 Greensburg, PA 15601

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	0.4995	0.700	W		-28.6	0.490 - 0.910	0.0729 A
Strontium-90	-0.0029		A			False Positive Test	0.0122
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| <= 20%

W = Result acceptable with warning.....20% < |Bias| <= 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(WIPH01) WI, DPH, Radiation Protection Section

201 E Washington Ave

Madison, WI 53703

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.726	0.787	A		-7.8	0.551 - 1.023	0.648	N
Cesium-134	8.212	8.70	A		-5.6	6.09 - 11.31	0.278	A
Cesium-137	10.266	10.6	A		-3.2	7.4 - 13.8	0.650	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	11.667	12.4	A		-5.9	8.7 - 16.1	0.901	A
Cobalt-58	-0.170		A			False Positive Test	0.157	
Cobalt-60	10.432	11.05	A		-5.6	7.74 - 14.37	0.333	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.109	9.36	A		-2.7	6.55 - 12.17	0.522	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	1.472		A			False Positive Test	0.66
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	10.985	11.2	A		-1.9	7.8 - 14.6	0.635 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
 (WSHL01) Wisconsin State Laboratory of Hygiene
 2601 Agriculture Drive
 Madison, WI 53718

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.6465	0.787	A		-17.9	0.551 - 1.023	0.03876	A
Cesium-134	8.30	8.70	A		-4.6	6.09 - 11.31	0.220	A
Cesium-137	10.6	10.6	A		0.0	7.4 - 13.8	0.349	A
Chromium-51	44.0	46.6	A		-5.6	32.6 - 60.6	3.19	A
Cobalt-57	12.2	12.4	A		-1.6	8.7 - 16.1	0.324	A
Cobalt-58	0.0299		A			False Positive Test	0.106	
Cobalt-60	11.1	11.05	A		0.5	7.74 - 14.37	0.699	A
Hydrogen-3	2.00		A			False Positive Test	2.12	
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.69	9.36	A		3.5	6.55 - 12.17	0.510	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	0.6641	0.666	A		-0.3	0.466 - 0.866	0.03923	A
Plutonium-239/240	0.6208	0.615	A		0.9	0.431 - 0.800	0.03703	A

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-1.50		A			False Positive Test	0.806
Radium-226	0.3217	0.700	N		-54.0	0.490 - 0.910	0.0141 A
Strontium-90	0.0046		A			False Positive Test	0.0075
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	0.6416	0.65	A		-1.3	0.46 - 0.85	0.03843 A
Uranium-238	0.6314	0.66	A		-4.3	0.46 - 0.86	0.03784 A
Zinc-65	11.4	11.2	A		1.8	7.8 - 14.6	1.03 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54
(WVDP01) WVDP Environmental Laboratory
10282 Rock Springs Road
West Valley, NY 14171

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	NR	0.000385				2.70E-4 - 5.01E-4		
Uranium-238	NR	0.0531				0.0372 - 0.0690		
Uranium-Total	NR	0.0535				0.0375 - 0.0696		
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	7.51	8.70	A		-13.7	6.09 - 11.31	0.227	A
Cesium-137	10.4	10.6	A		-1.9	7.4 - 13.8	0.317	A
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	11.8	12.4	A		-4.8	8.7 - 16.1	0.296	A
Cobalt-58	NR					False Positive Test		
Cobalt-60	10.3	11.05	A		-6.8	7.74 - 14.37	0.245	A
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	9.25	9.36	A		-1.2	6.55 - 12.17	0.299	A
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	-0.370		A			False Positive Test	0.619
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	0.342		N	(1)		False Positive Test	0.0922
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	11.5	11.2	A		2.7	7.8 - 14.6	0.479 A

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| <= 20%

W = Result acceptable with warning.....20% < |Bias| <= 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations



Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-26-MaW54

(YPGA01) US Army Yuma Proving Ground / Material Analysis Lab

301 C. Street

Yuma, AZ 85365

Inorganic							Units: (mg/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	0.170				0.119 - 0.221		
Arsenic	NR	0.139				0.097 - 0.181		
Barium	NR	0.373				0.261 - 0.485		
Beryllium	NR	0.204				0.143 - 0.265		
Cadmium	NR	0.272				0.190 - 0.354		
Chromium	NR	0.254				0.178 - 0.330		
Cobalt	NR	0.203				0.142 - 0.264		
Copper	NR	0.0347				0.0243 - 0.0451		
Lead	NR	0.137				0.096 - 0.178		
Mercury	NR					False Positive Test		
Nickel	NR					False Positive Test		
Selenium	NR	0.231				0.162 - 0.300		
Technetium-99	NR	1.63E-5				1.14E-5 - 2.12E-5		
Thallium	NR	0.156				0.109 - 0.203		
Uranium-235	0.0004	0.000385	A		3.9	2.70E-4 - 5.01E-4	0.00002	A
Uranium-238	0.0546	0.0531	A		2.8	0.0372 - 0.0690	.0013	A
Uranium-Total	0.0550	0.0535	A		2.8	0.0375 - 0.0696	0.0013	A
Vanadium	NR	0.340				0.238 - 0.442		
Zinc	NR	0.288				0.202 - 0.374		

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.787				0.551 - 1.023		
Cesium-134	NR	8.70				6.09 - 11.31		
Cesium-137	NR	10.6				7.4 - 13.8		
Chromium-51	NR	46.6				32.6 - 60.6		
Cobalt-57	NR	12.4				8.7 - 16.1		
Cobalt-58	NR					False Positive Test		
Cobalt-60	NR	11.05				7.74 - 14.37		
Hydrogen-3	NR					False Positive Test		
Iron-55	NR	41.1				28.8 - 53.4		
Manganese-54	NR	9.36				6.55 - 12.17		
Nickel-63	NR	29.2				20.4 - 38.0		
Plutonium-238	NR	0.666				0.466 - 0.866		
Plutonium-239/240	NR	0.615				0.431 - 0.800		

Radiological						Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Potassium-40	NR					False Positive Test	
Radium-226	NR	0.700				0.490 - 0.910	
Strontium-90	NR					False Positive Test	
Technetium-99	NR	10.2				7.1 - 13.3	
Uranium-234	NR	0.65				0.46 - 0.85	
Uranium-238	NR	0.66				0.46 - 0.86	
Zinc-65	NR	11.2				7.8 - 14.6	

Radiological Reference Date: February 1, 2026

Results Flags:

A = Result acceptable.....|Bias| ≤ 20%

W = Result acceptable with warning.....20% < |Bias| ≤ 30%

N = Result not acceptable.....|Bias| > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

N = NOT ACCEPTABLE.....RP < 2%

A = ACCEPTABLE.....2% ≤ RP ≤ 15%

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Relative Precision (RP) = (Reported Uncertainty / Reported Result) x 100

Notes:

(1) = False Positive

(6) = Not Evaluated

(11) = False Positive Test, Result Not Reported

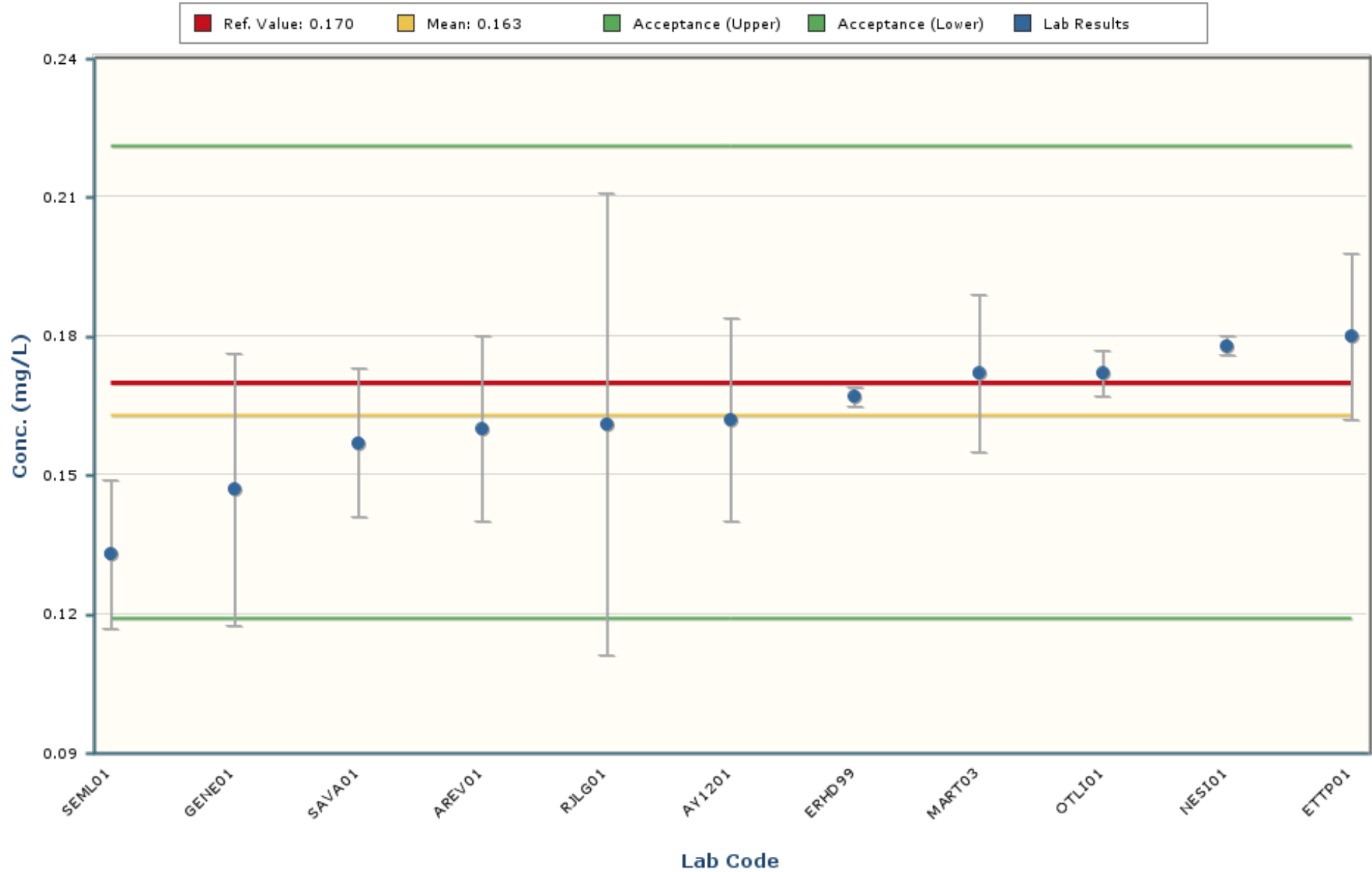
(25) = Result not reported with other gamma results

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations

Antimony

MAPEP-26-MaW54



Notes:

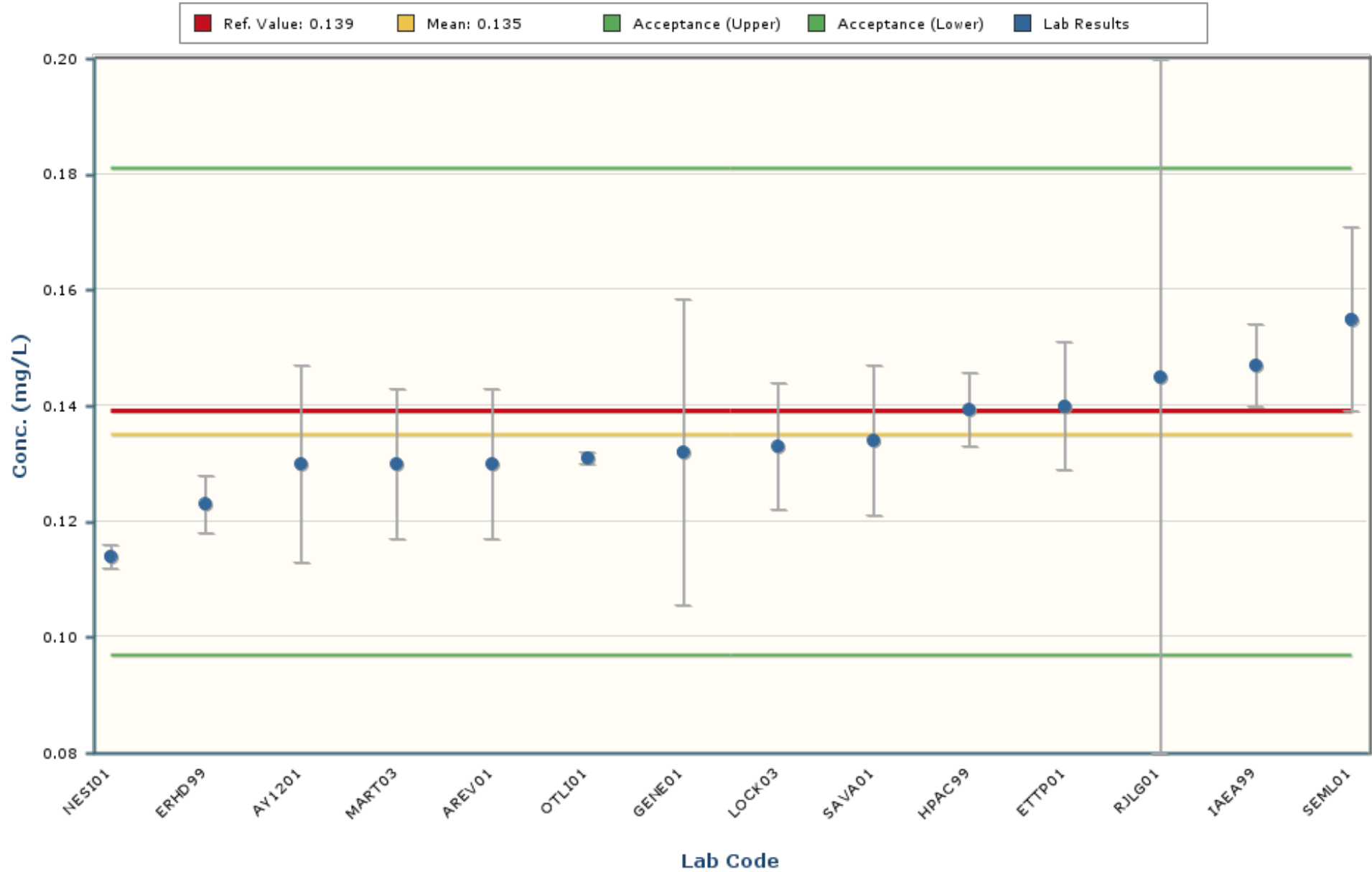
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.094 and 0.231 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Arsenic

MAPEP-26-MaW54



Notes:

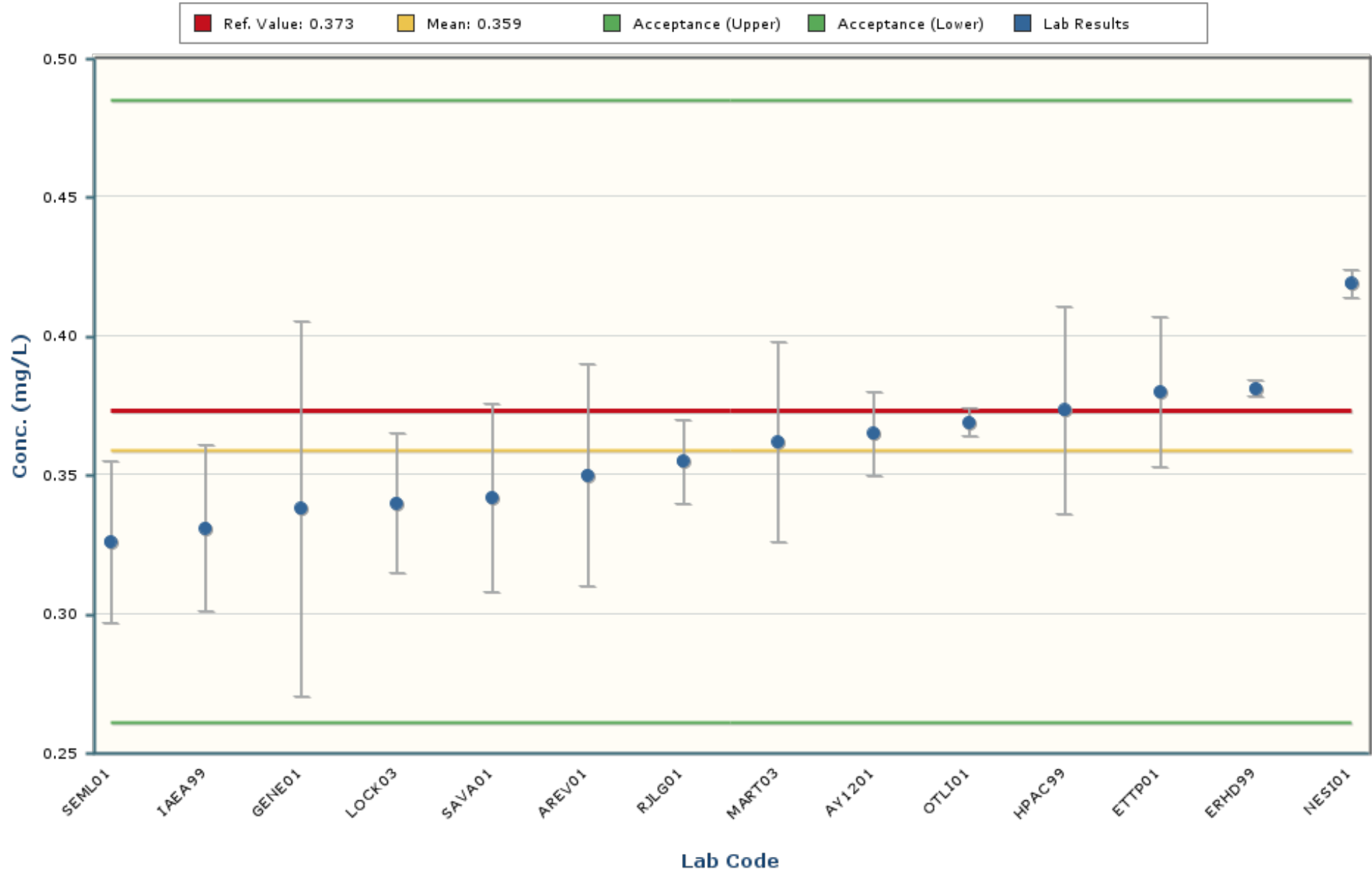
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.083 and 0.186 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Barium

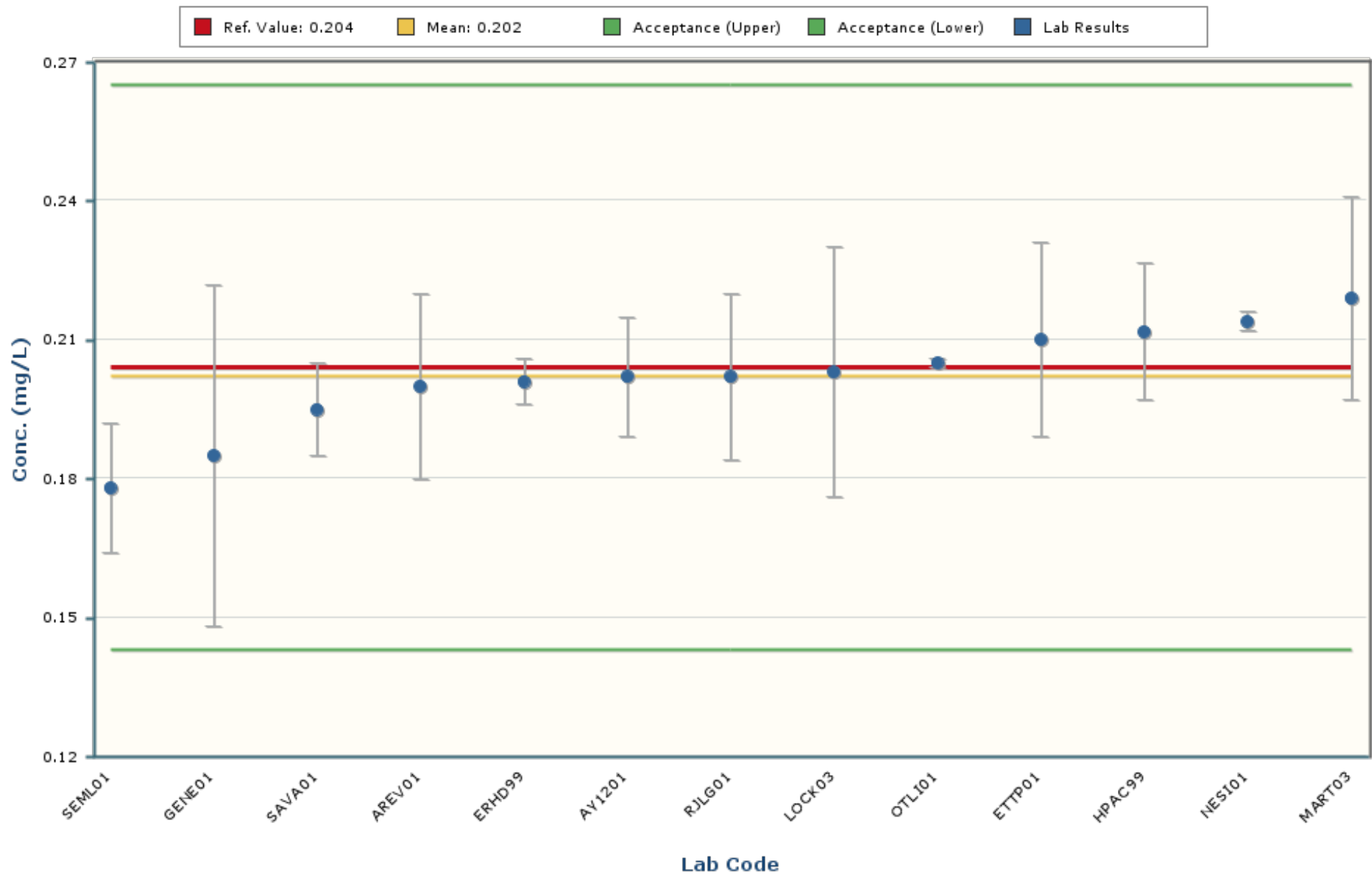
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.236 and 0.483 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Beryllium

MAPEP-26-MaW54



Notes:

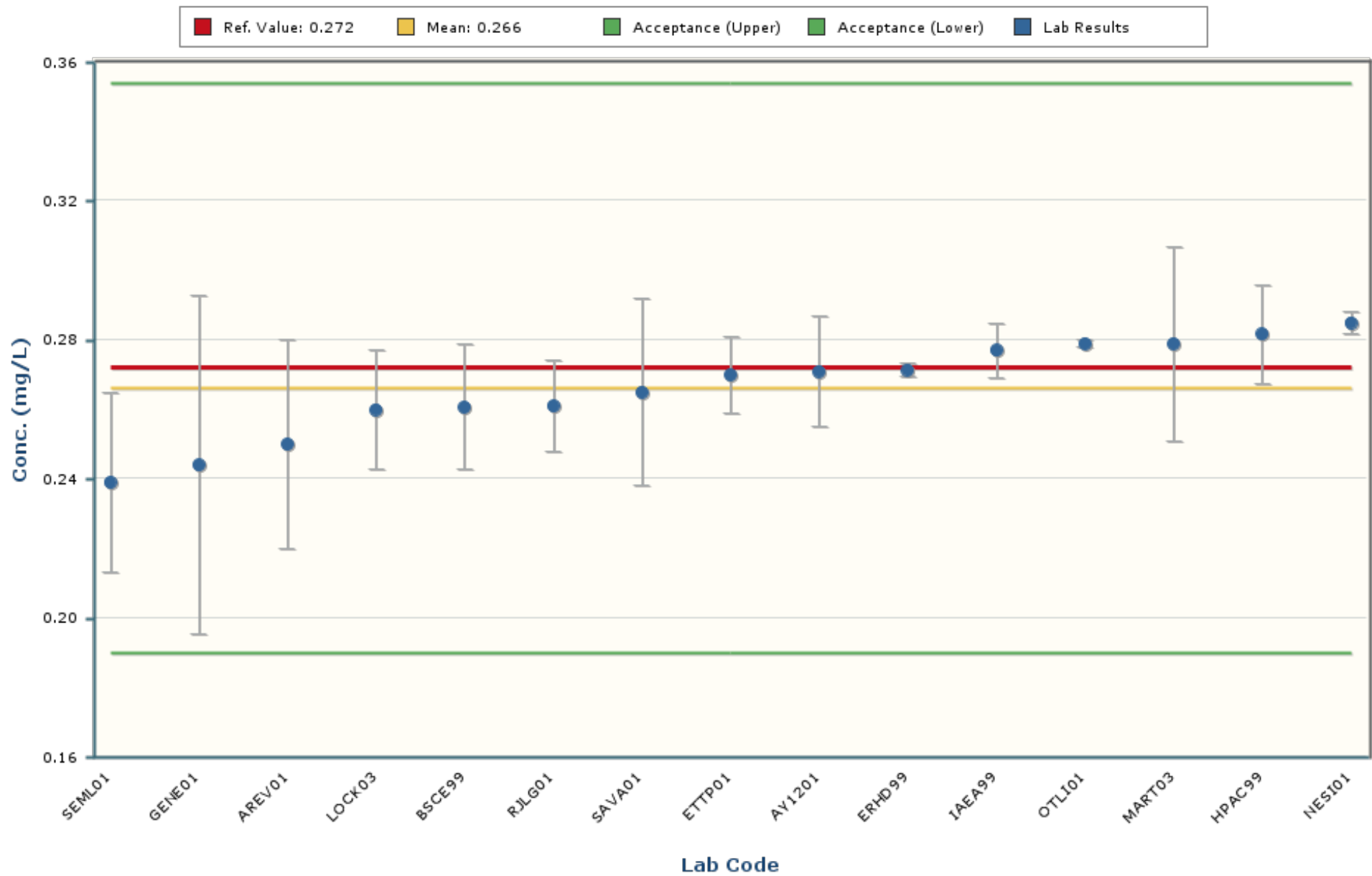
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.146 and 0.258 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Cadmium

MAPEP-26-MaW54



Notes:

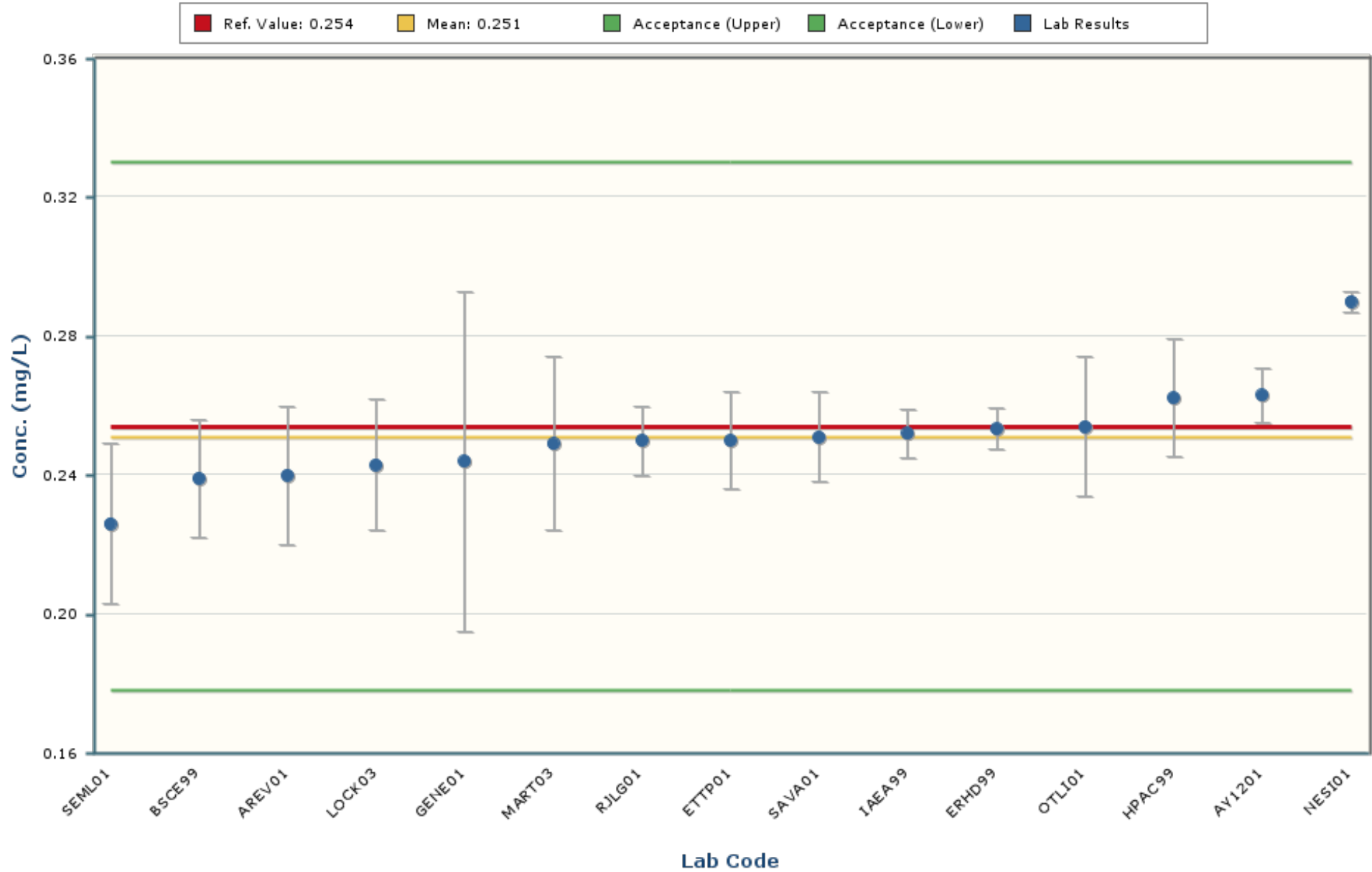
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.197 and 0.336 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Chromium

MAPEP-26-MaW54



Notes:

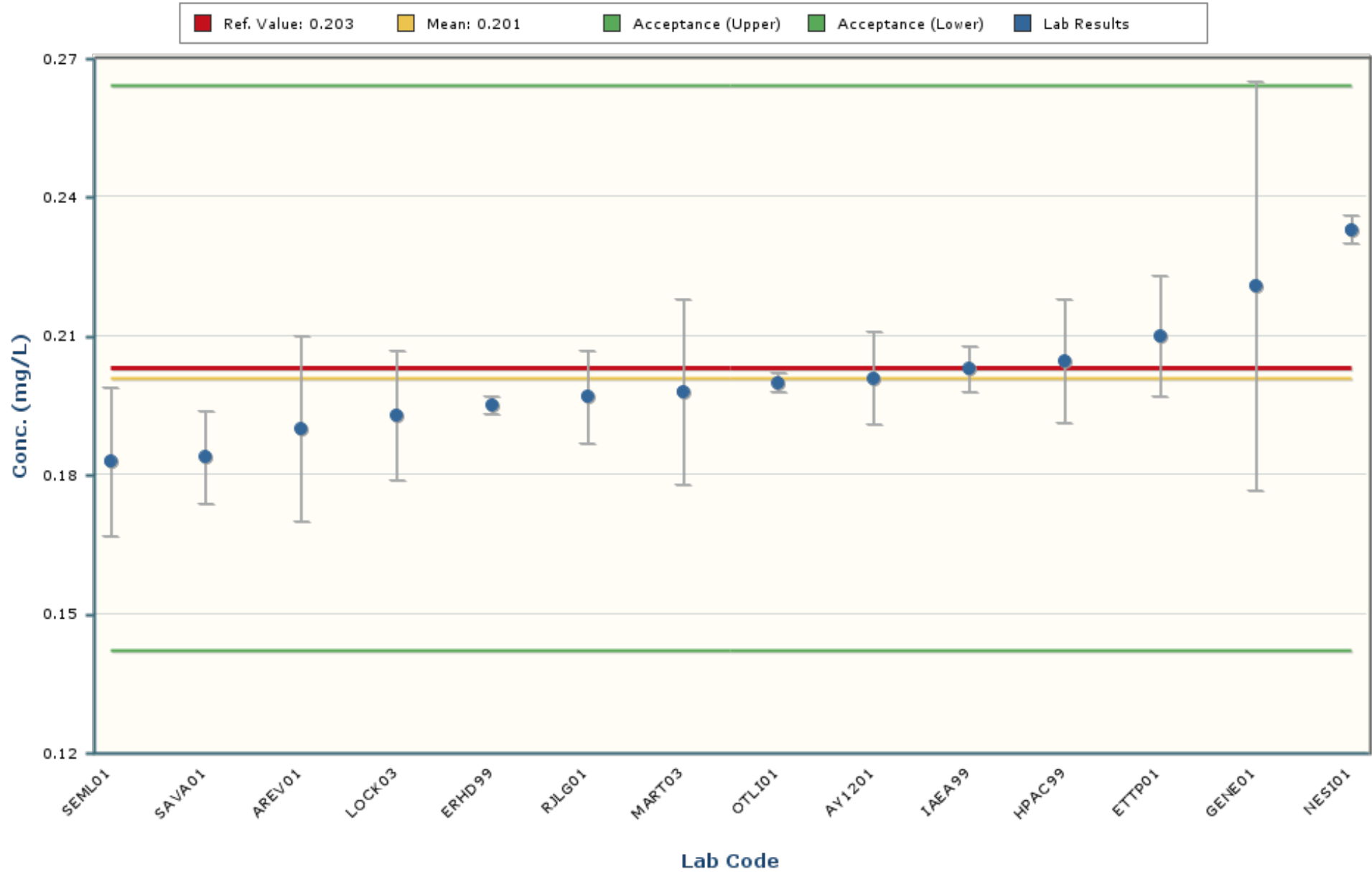
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.180 and 0.322 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Cobalt

MAPEP-26-MaW54



Notes:

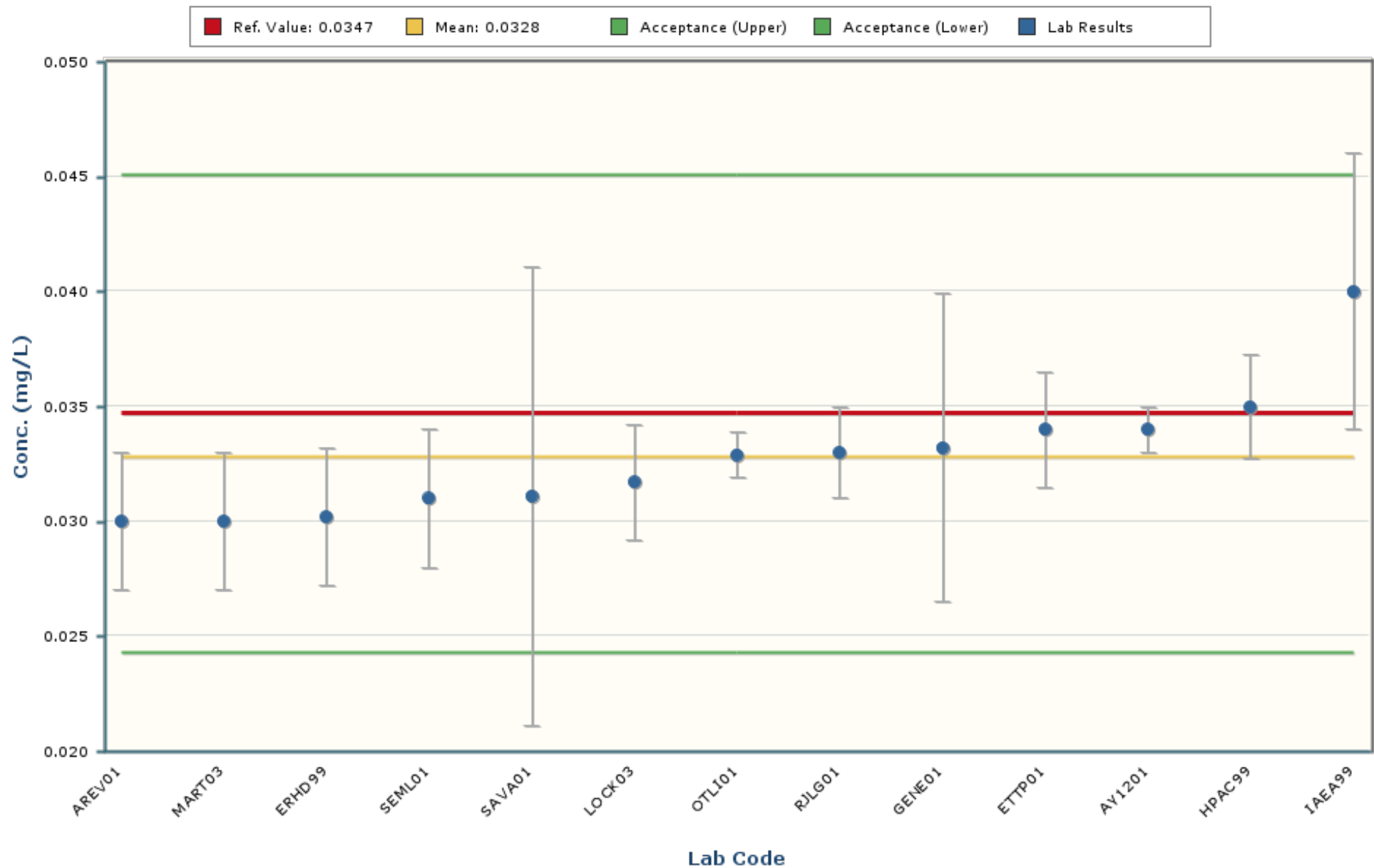
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.133 and 0.269 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Copper

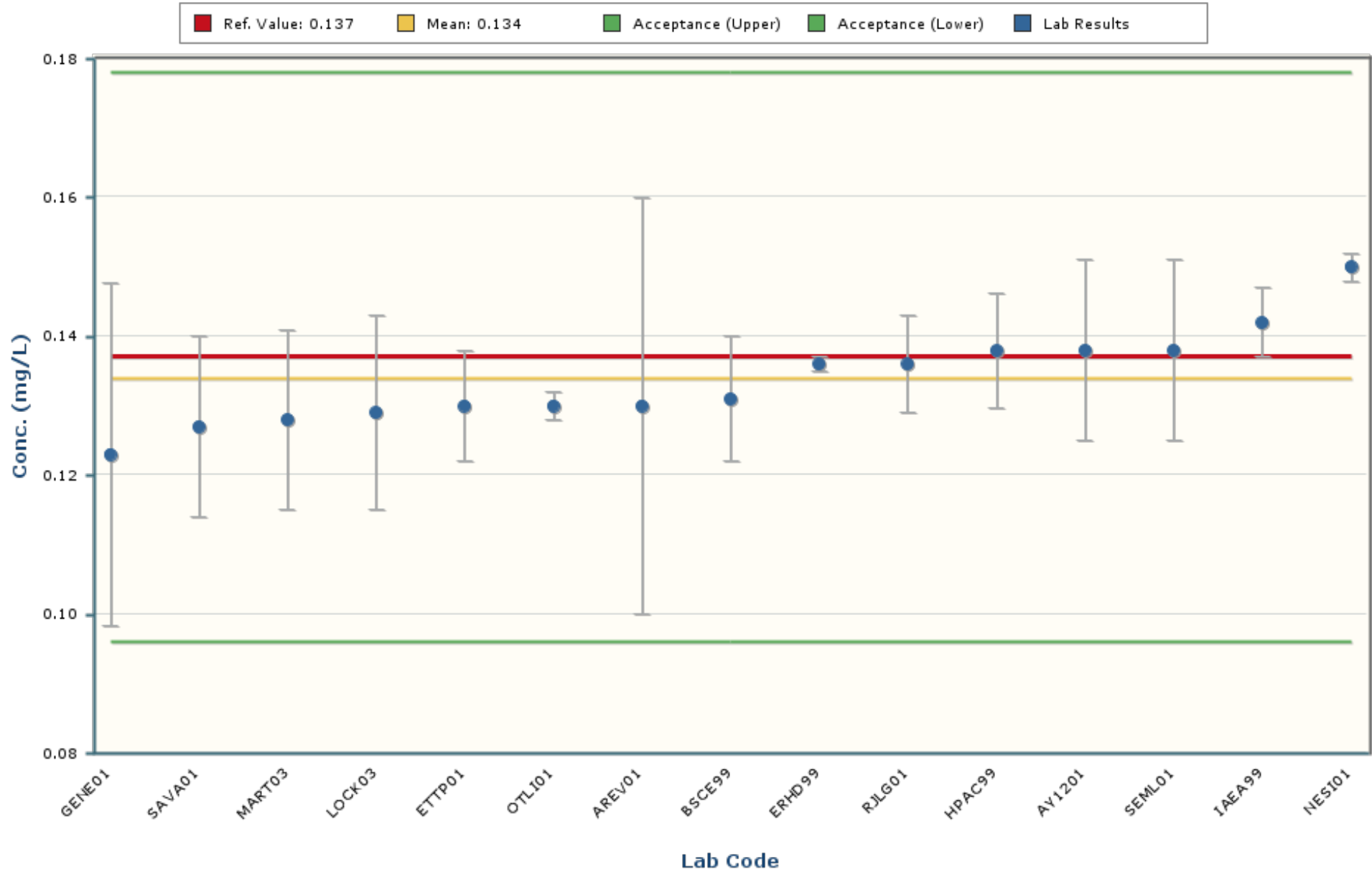
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.0191 and 0.0464 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Lead

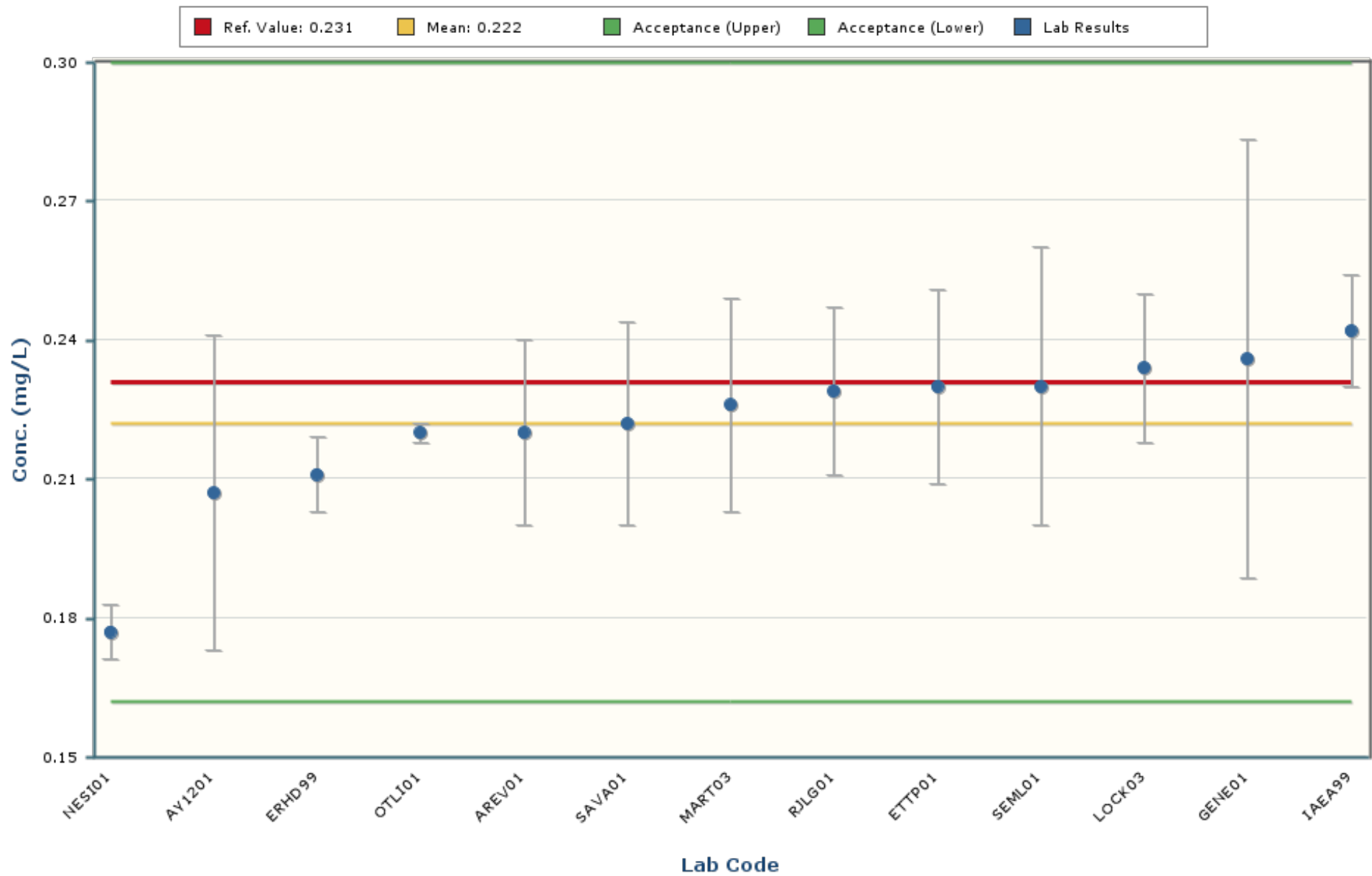
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.099 and 0.168 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Selenium

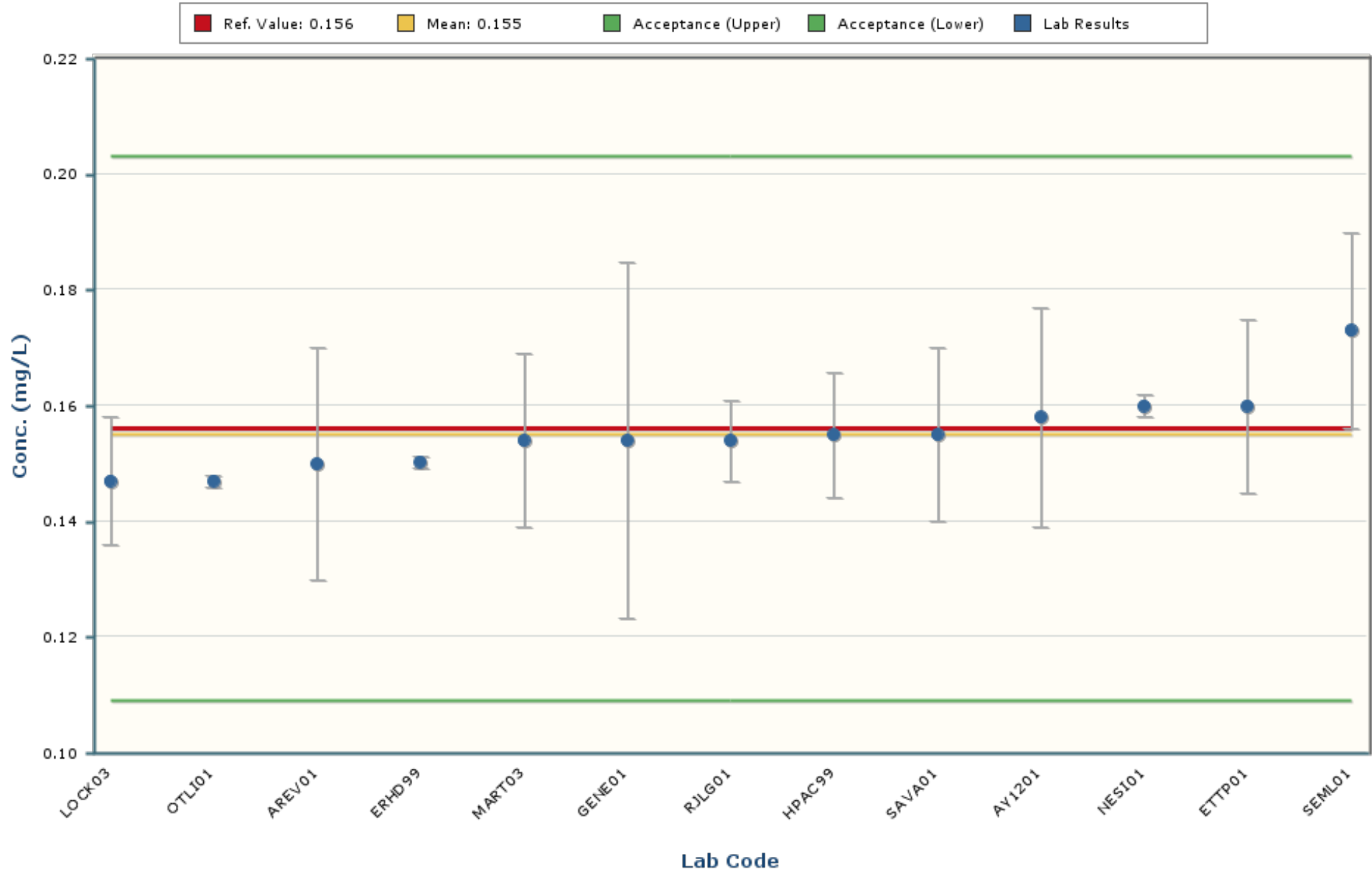
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.139 and 0.305 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Thallium

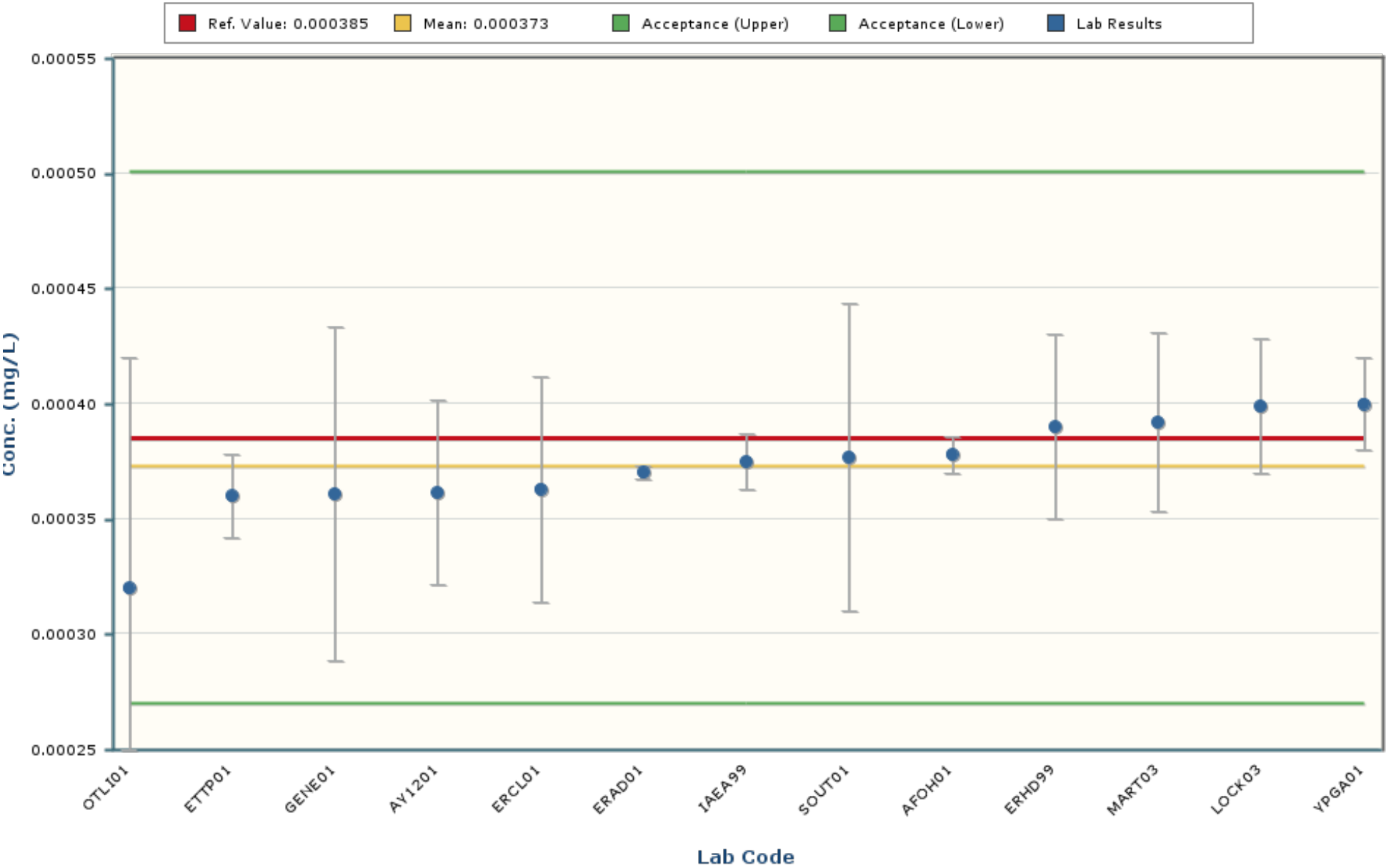
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.121 and 0.189 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Uranium-235

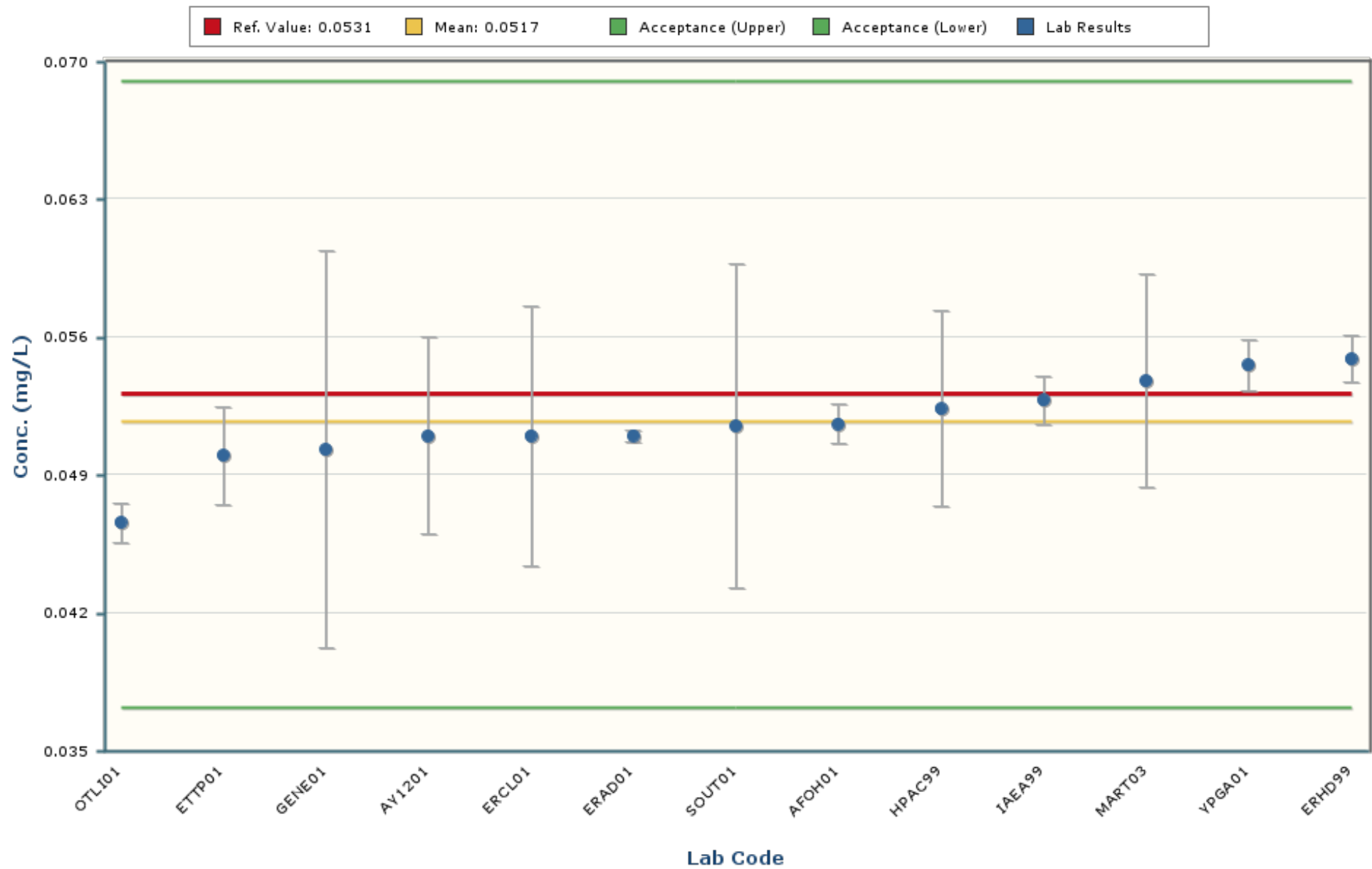
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.000266 and 0.000479 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at ± 1 standard deviation.

Uranium-238

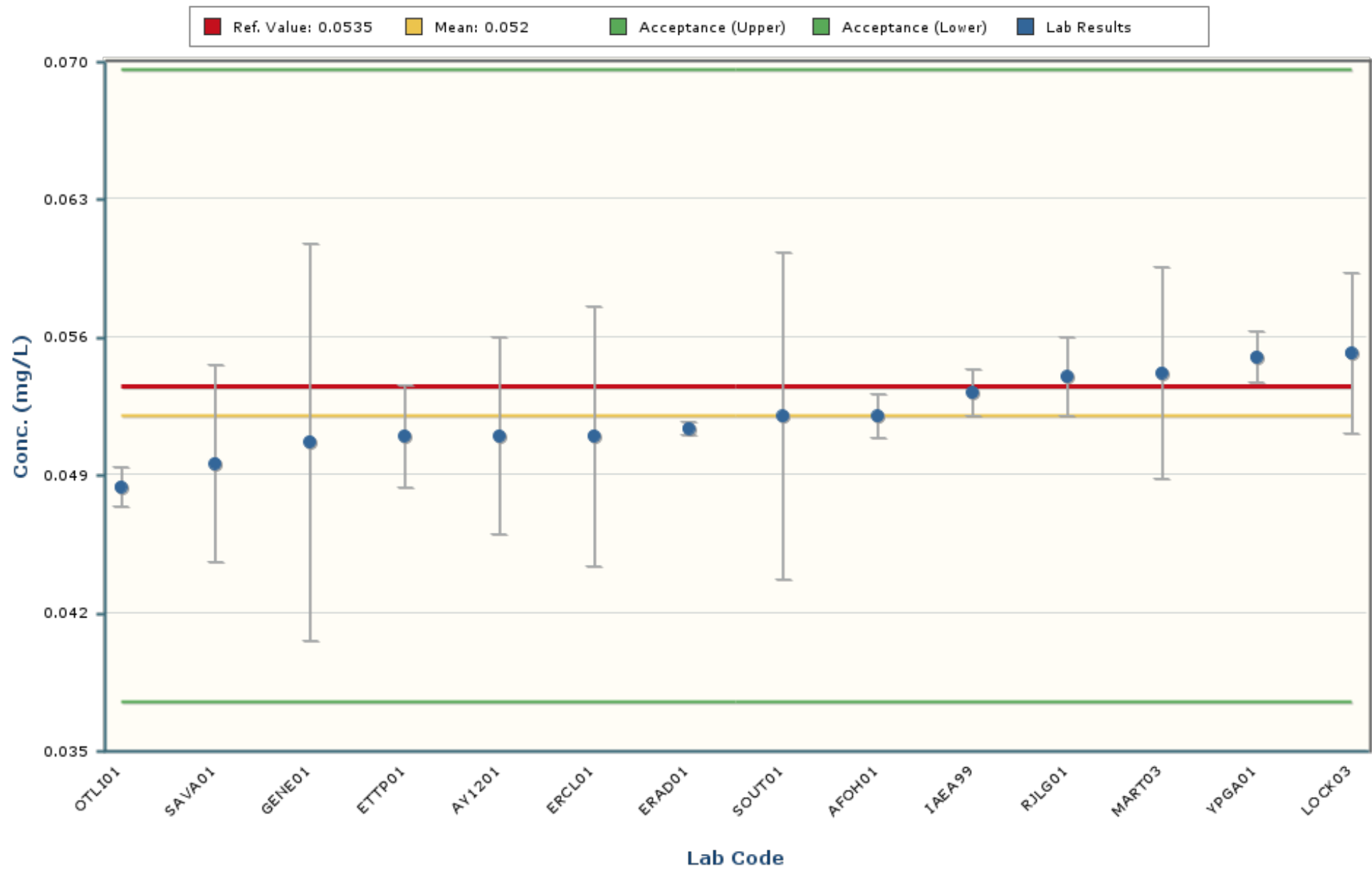
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.0407 and 0.0626 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Uranium-Total

MAPEP-26-MaW54



Notes:

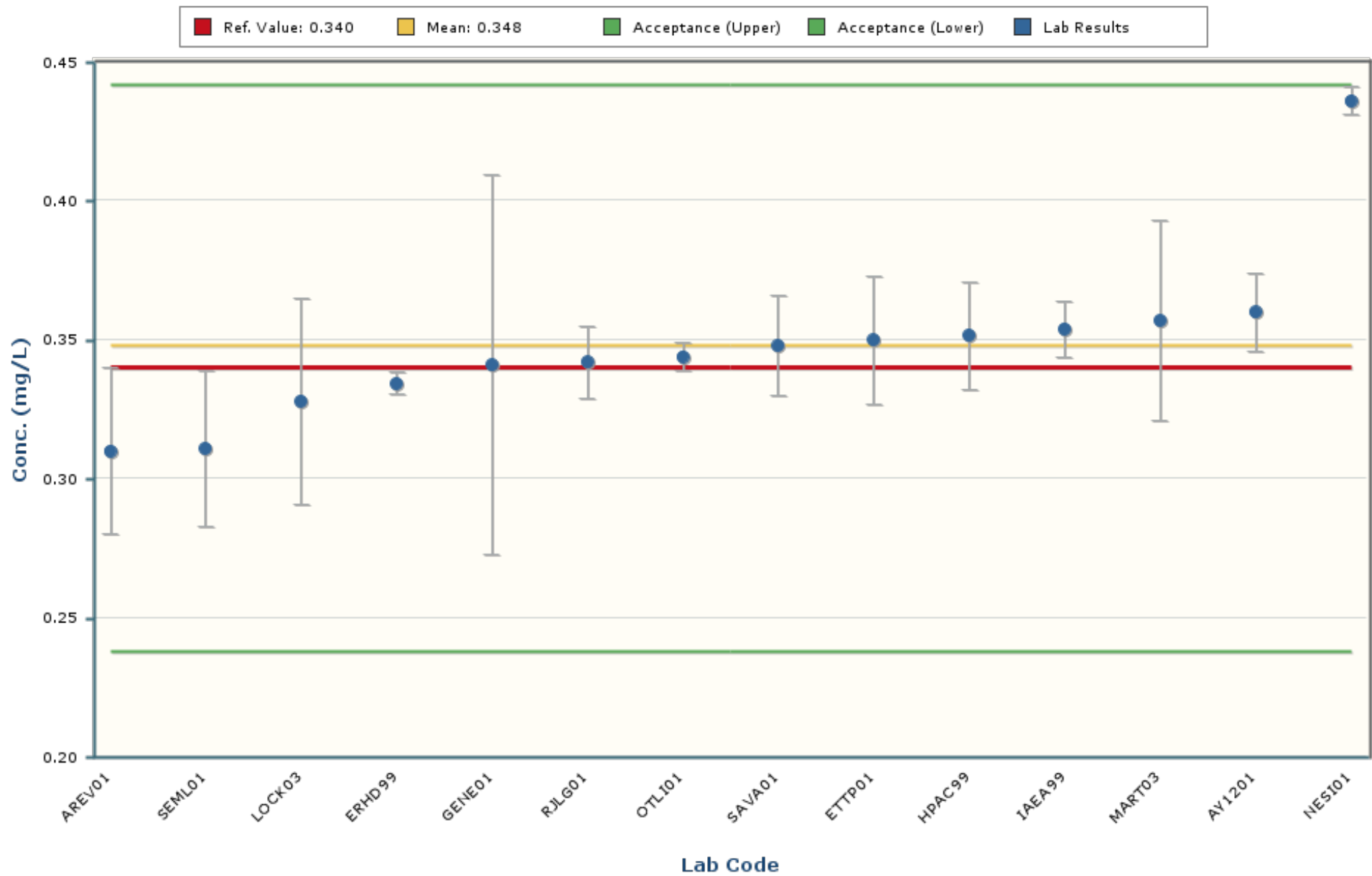
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.0419 and 0.0622 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Vanadium

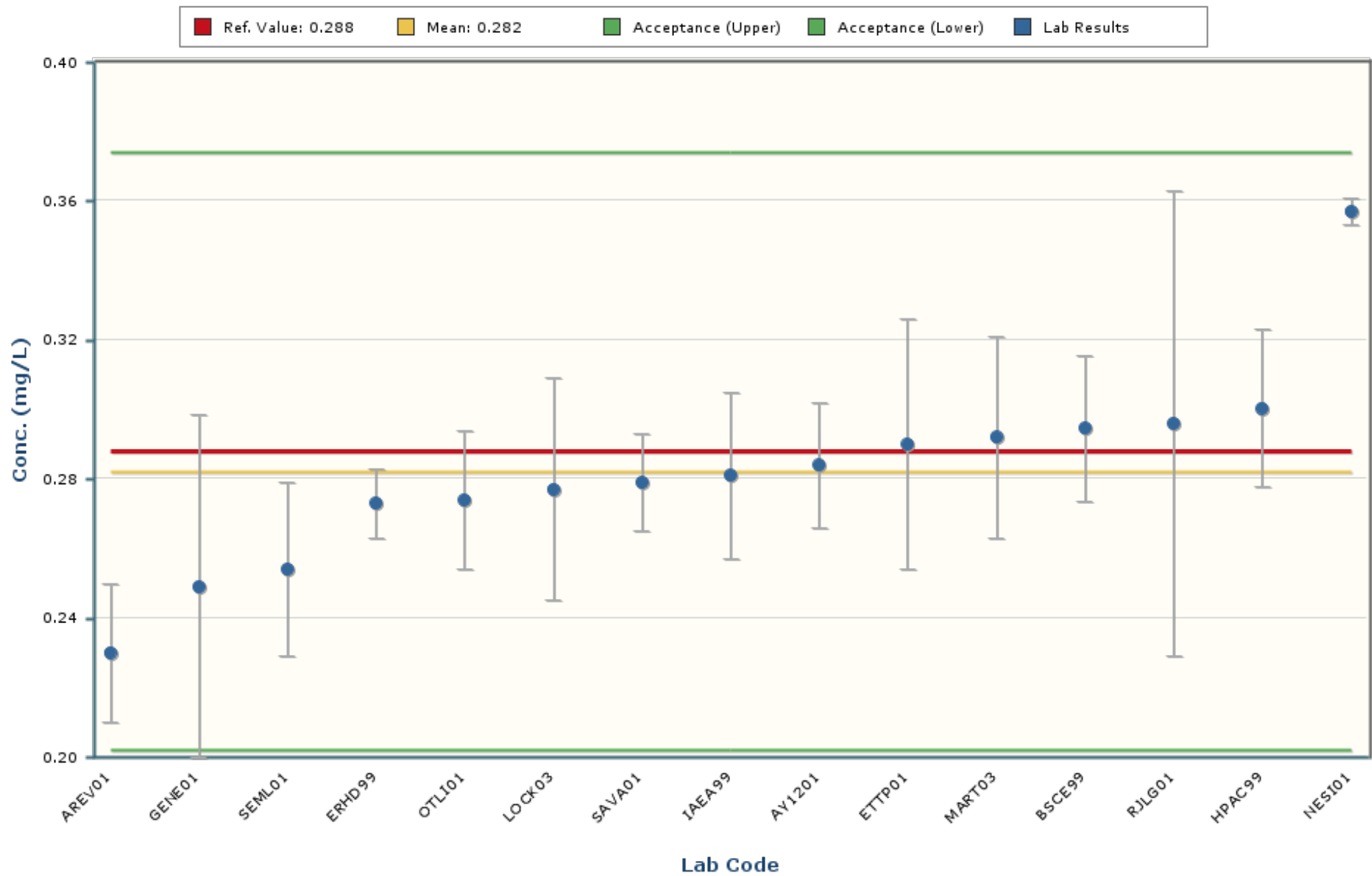
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.199 and 0.496 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Zinc

MAPEP-26-MaW54



Notes:

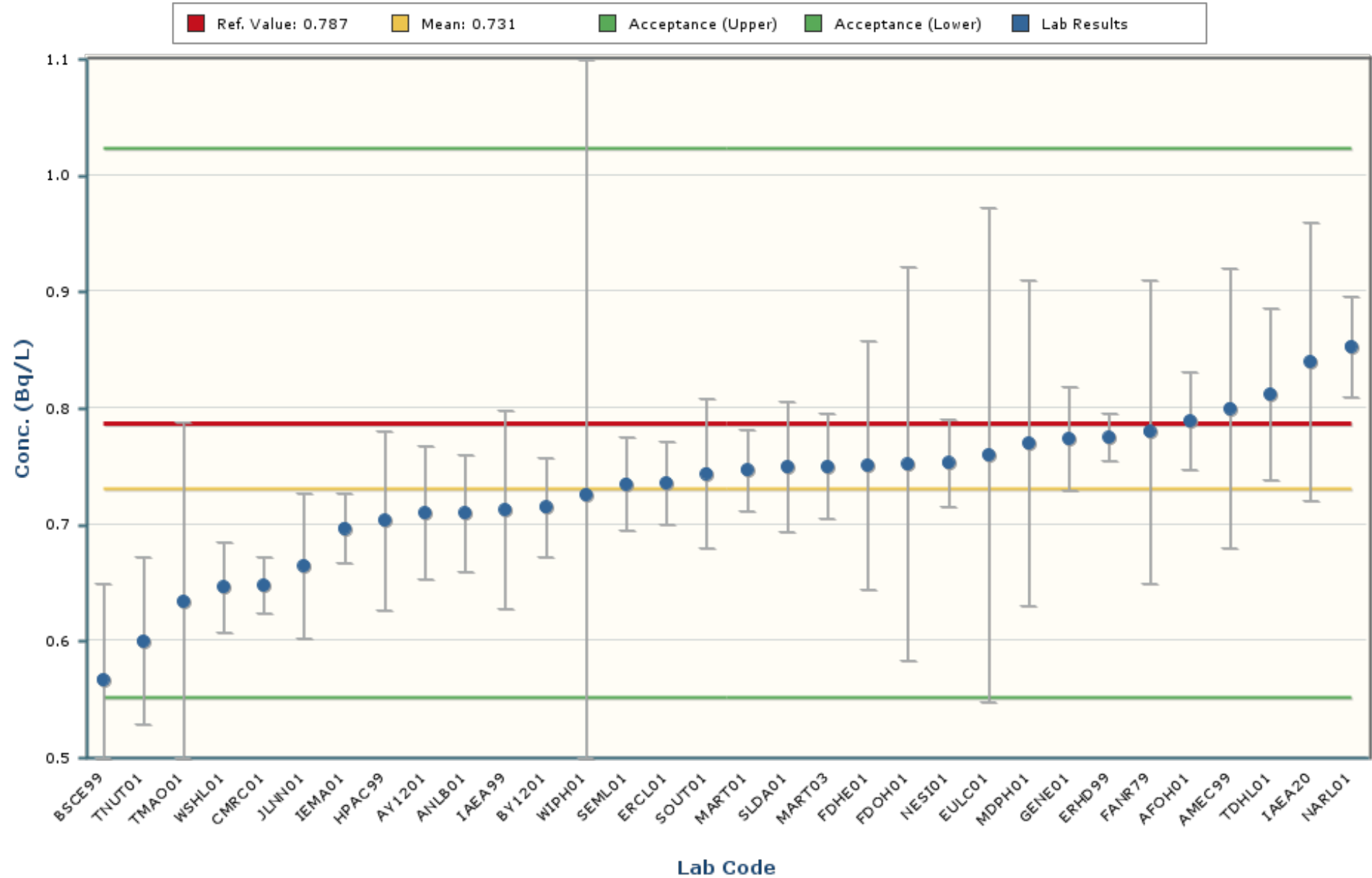
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.140 and 0.424 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Americium-241

MAPEP-26-MaW54



Notes:

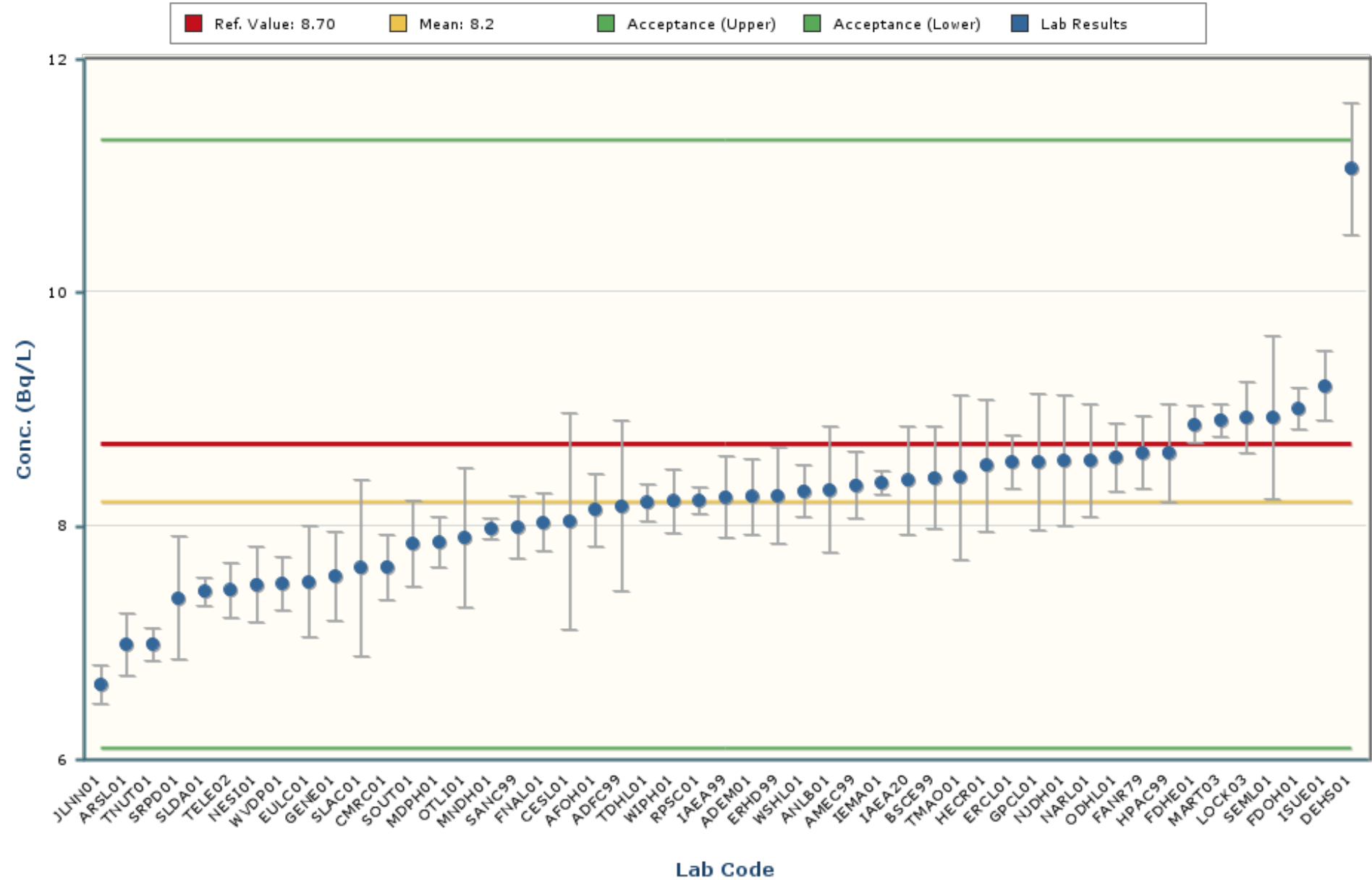
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.410 and 1.052 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Cesium-134

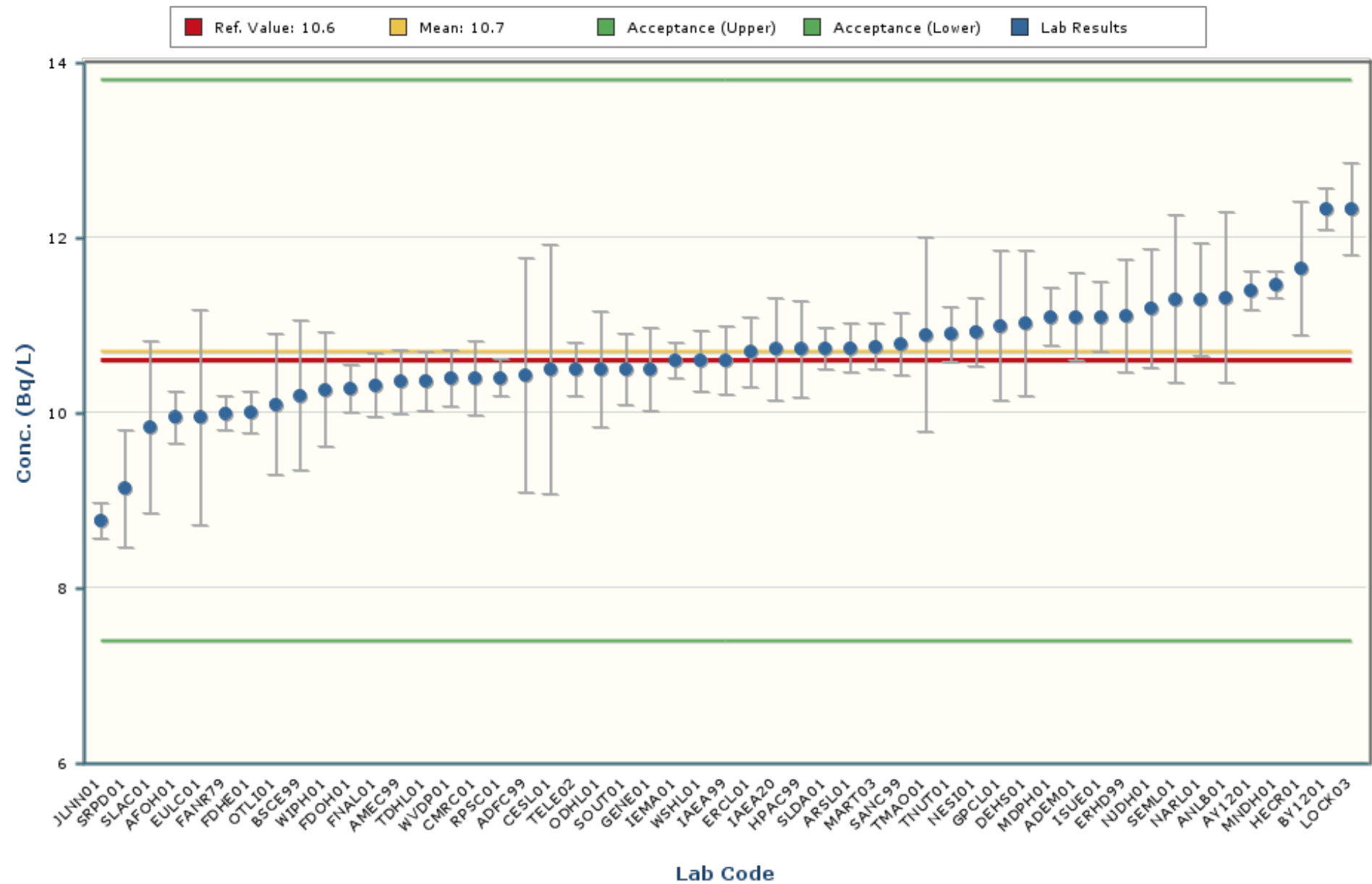
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 4.71 and 11.68 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Cesium-137

MAPEP-26-MaW54



Notes:

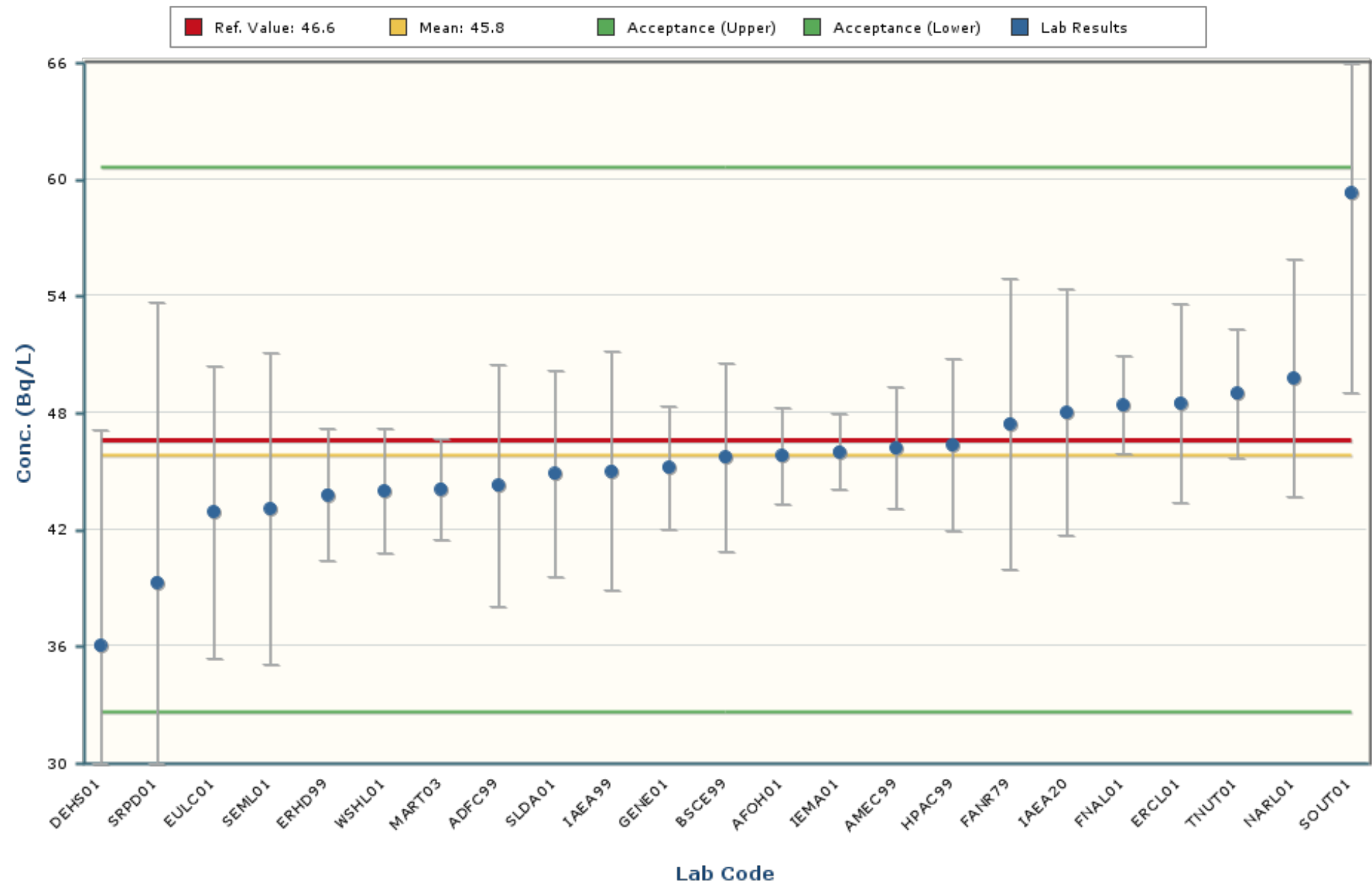
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 7.5 and 13.9 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Chromium-51

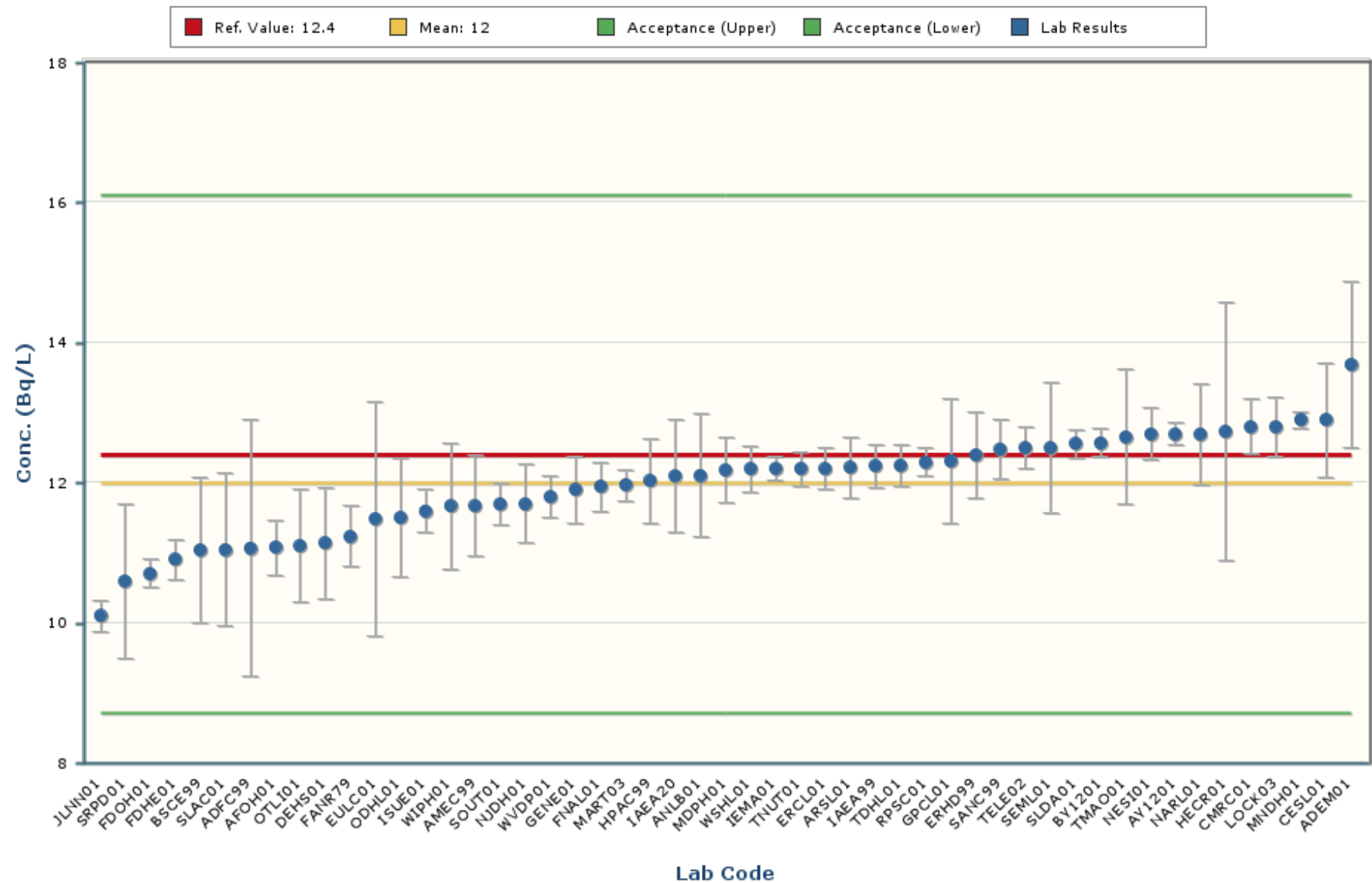
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 24.5 and 67.1 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Cobalt-57

MAPEP-26-MaW54



Notes:

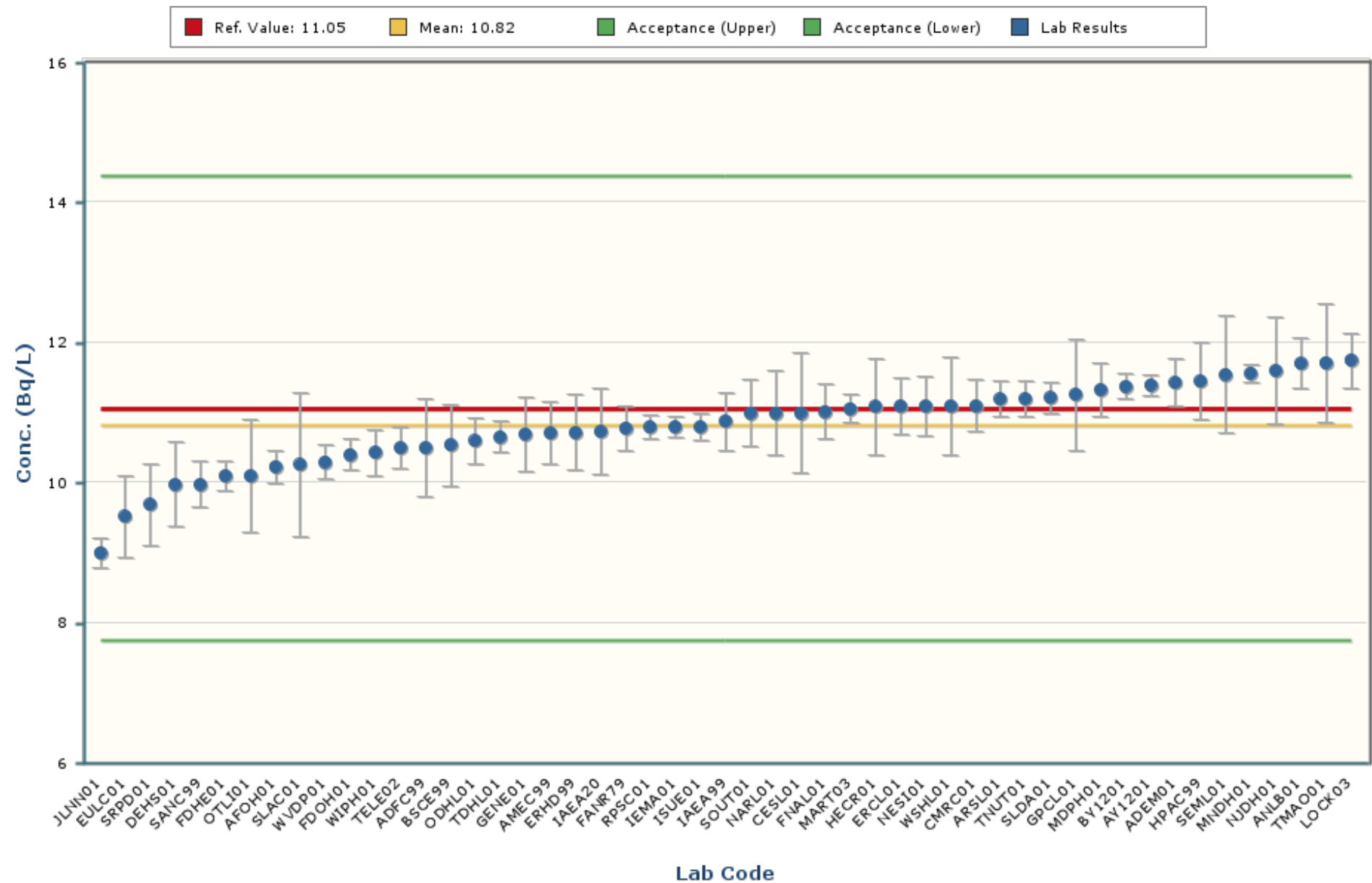
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 8.4 and 15.6 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Cobalt-60

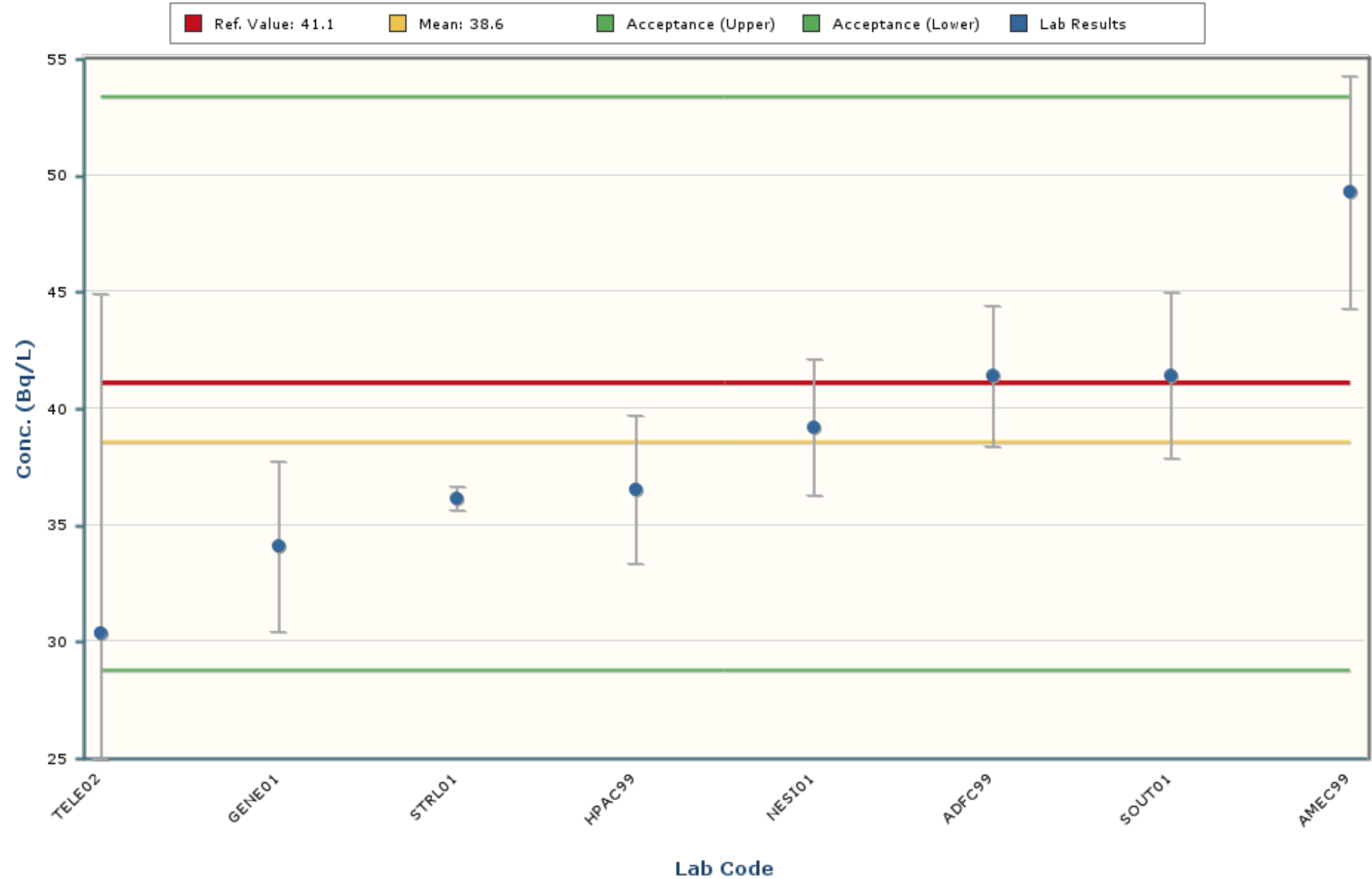
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 7.87 and 13.78 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Iron-55

MAPEP-26-MaW54



Notes:

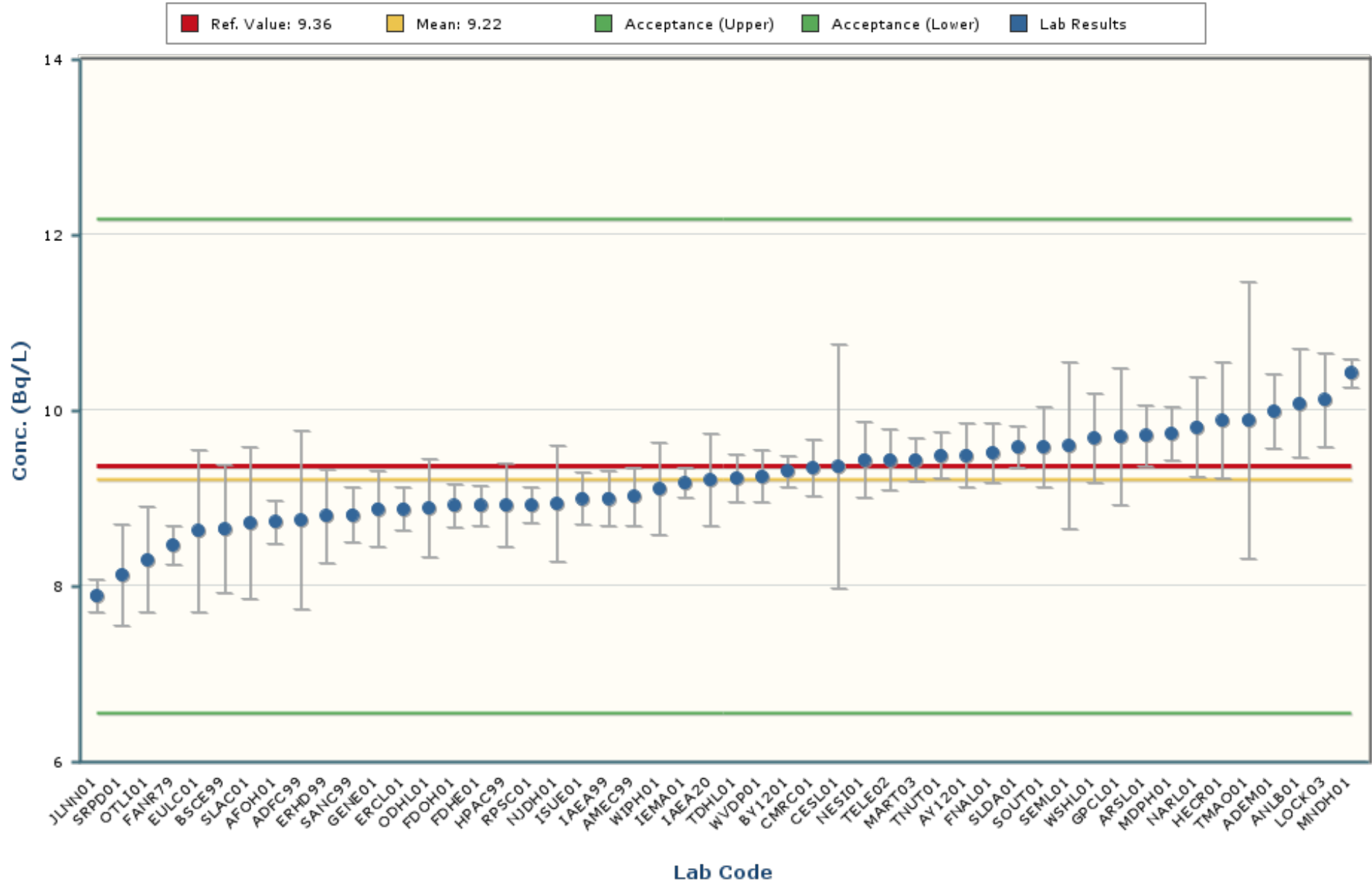
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 10.0 and 67.1 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Manganese-54

MAPEP-26-MaW54



Notes:

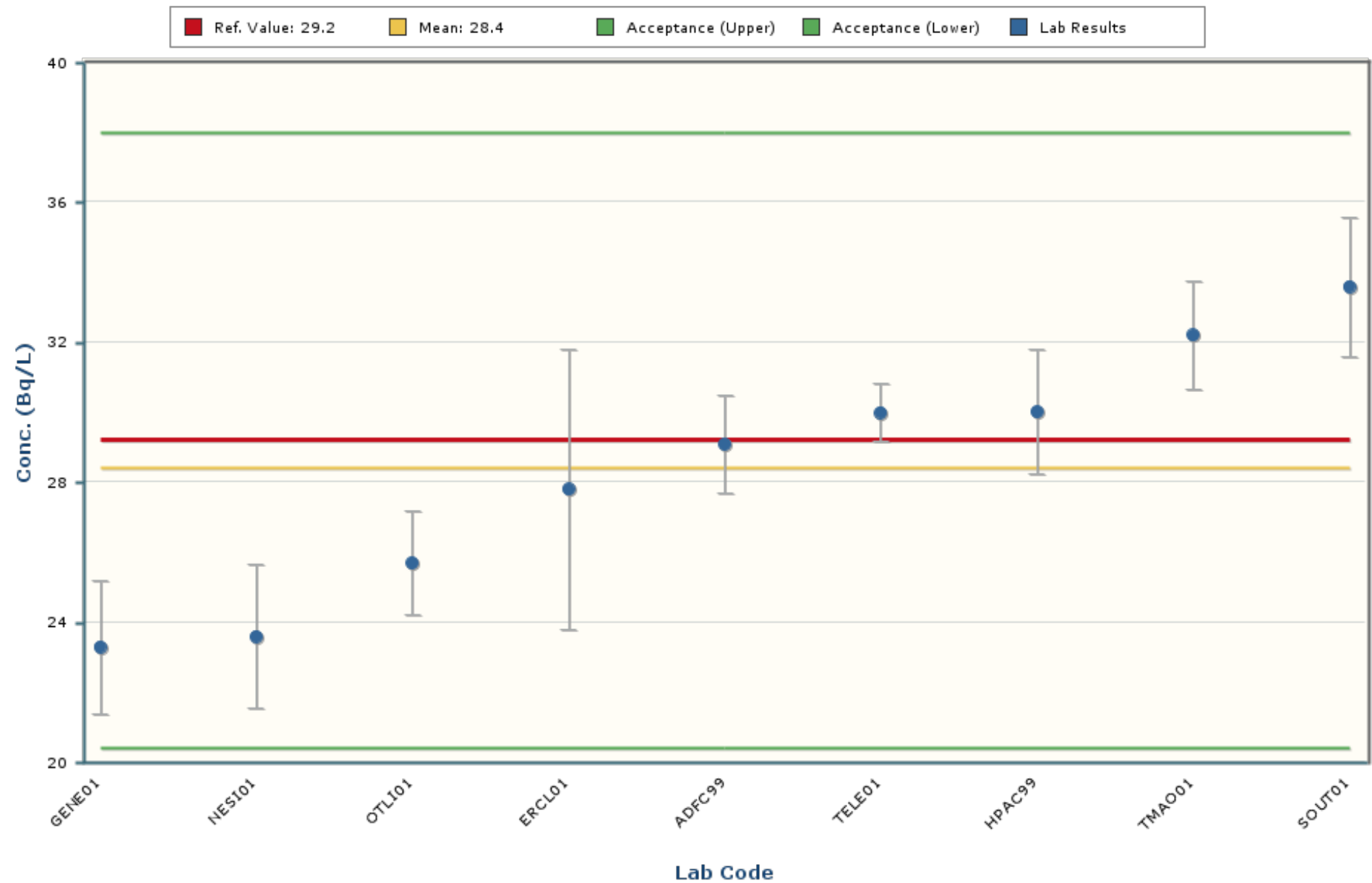
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 6.58 and 11.86 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Nickel-63

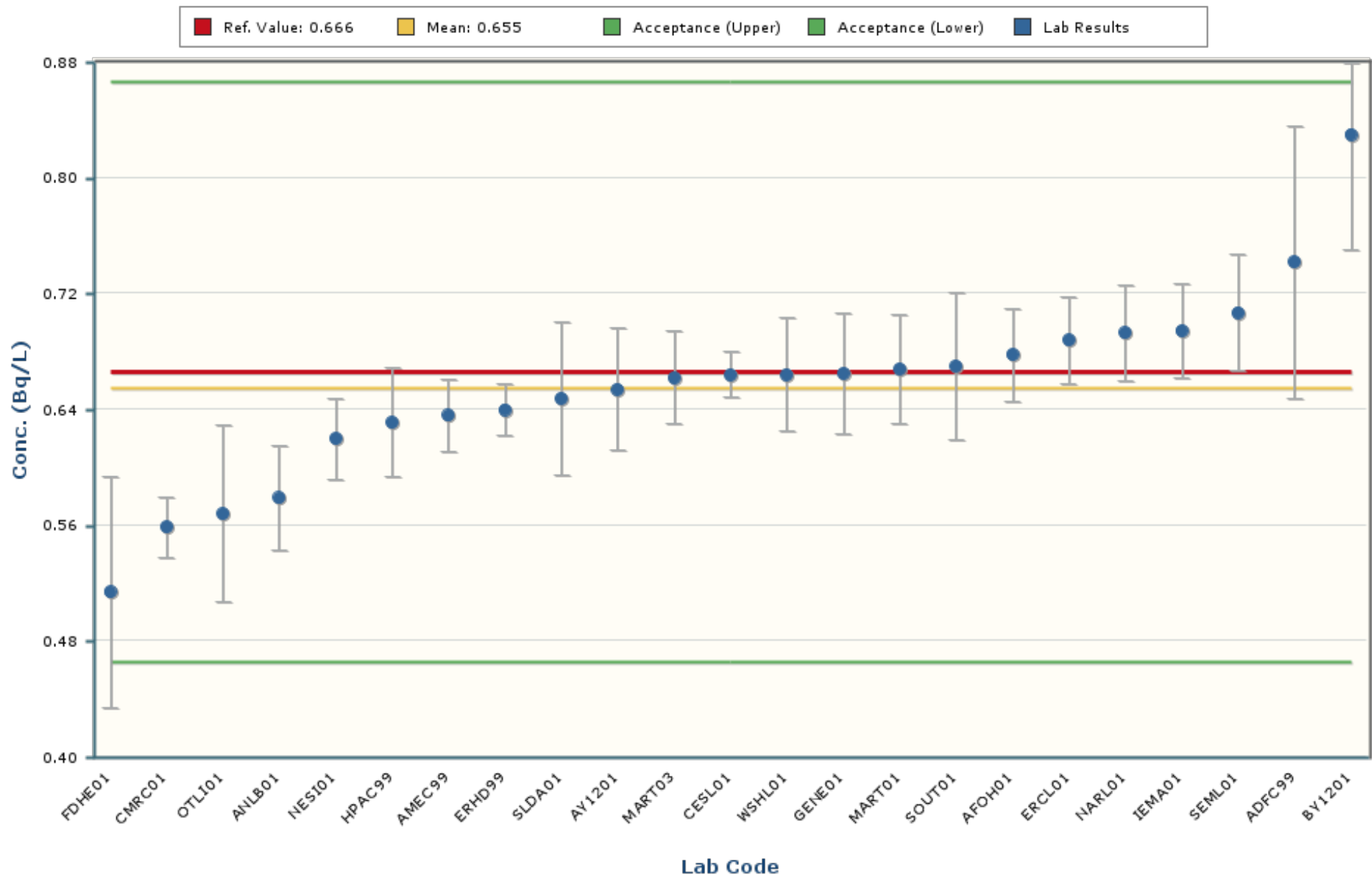
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 10.4 and 46.4 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Plutonium-238

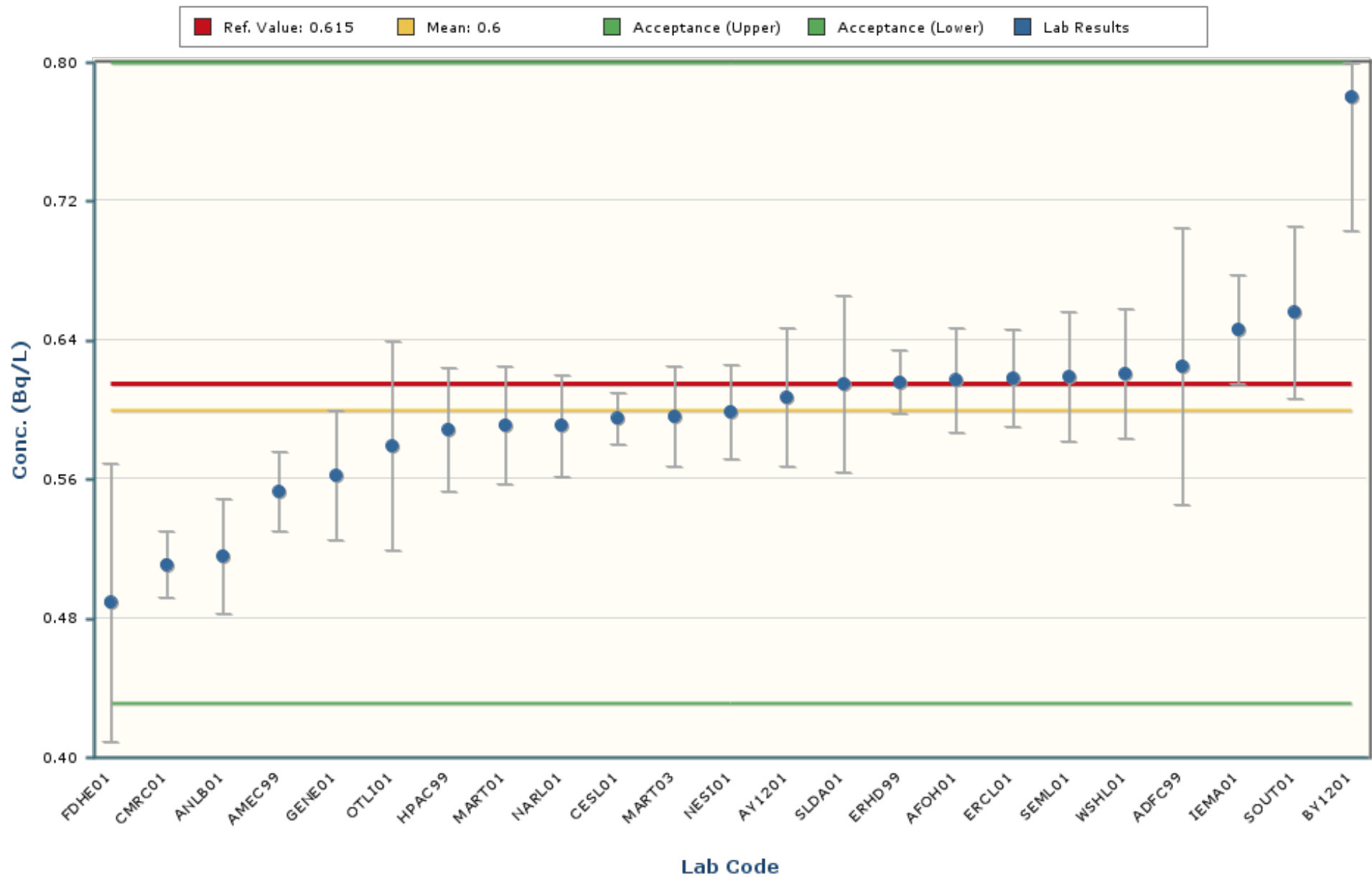
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.334 and 0.977 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Plutonium-239/240

MAPEP-26-MaW54



Notes:

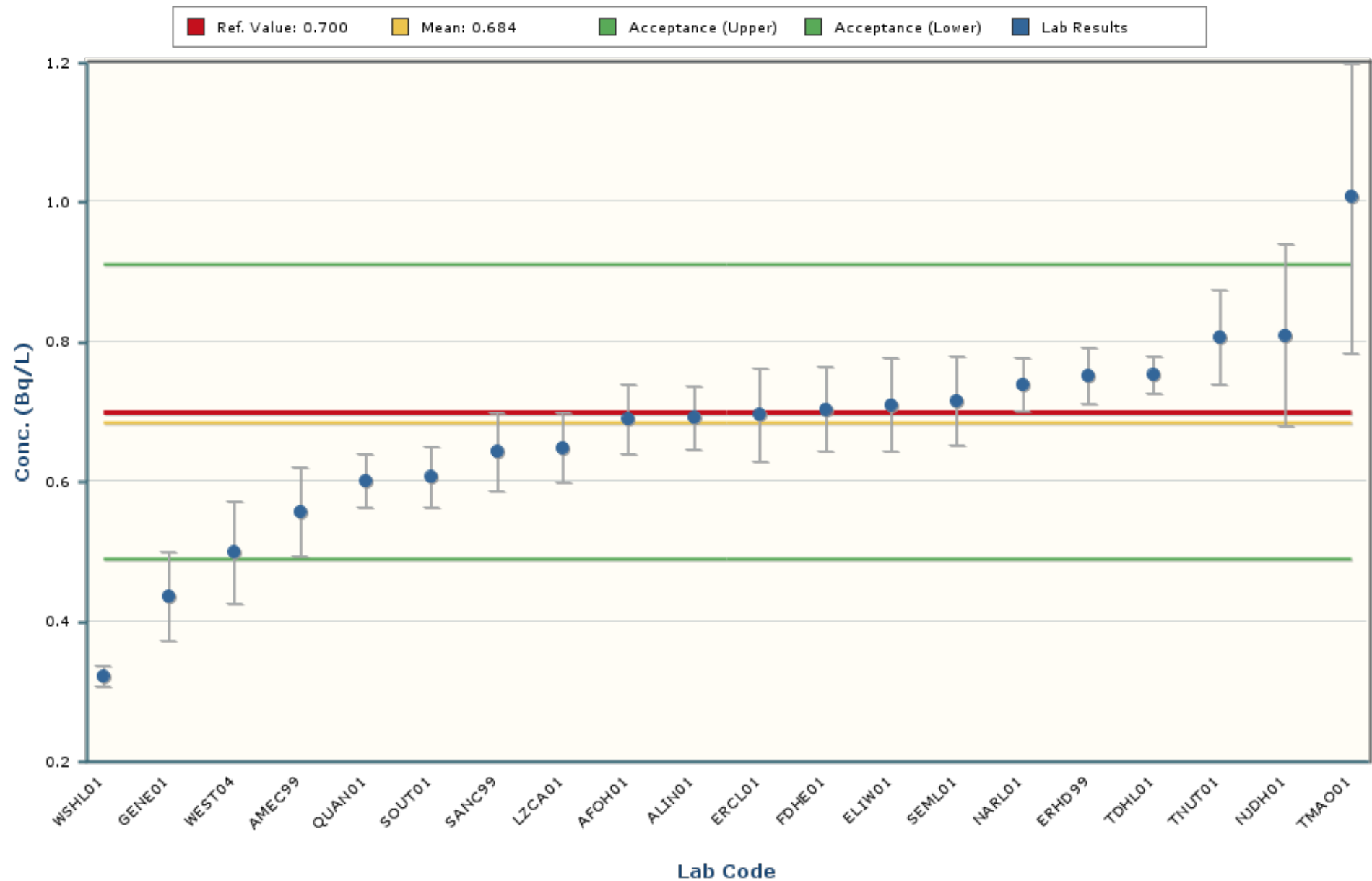
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.314 and 0.886 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Radium-226

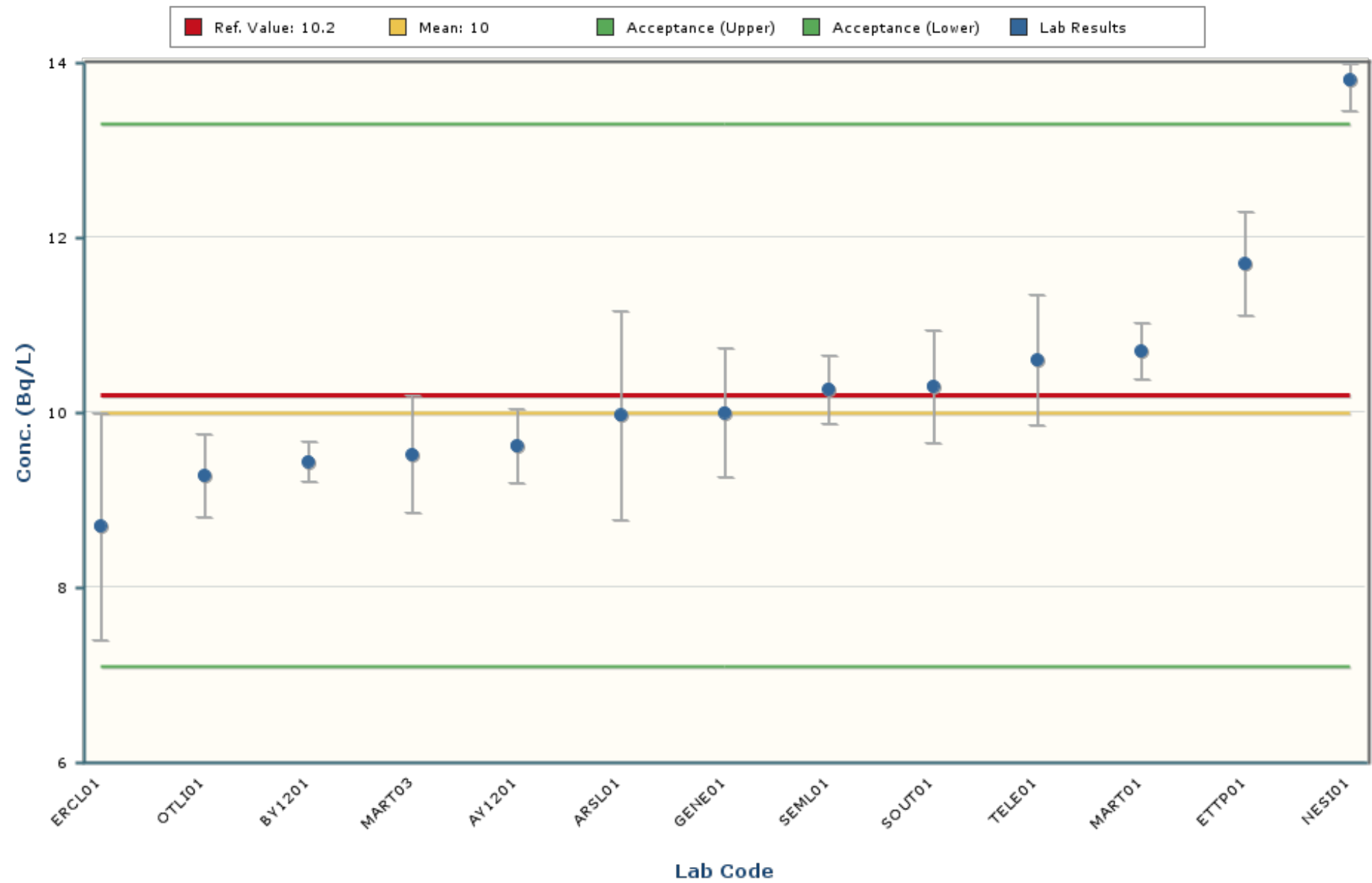
MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 0.266 and 1.102 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Technetium-99

MAPEP-26-MaW54



Notes:

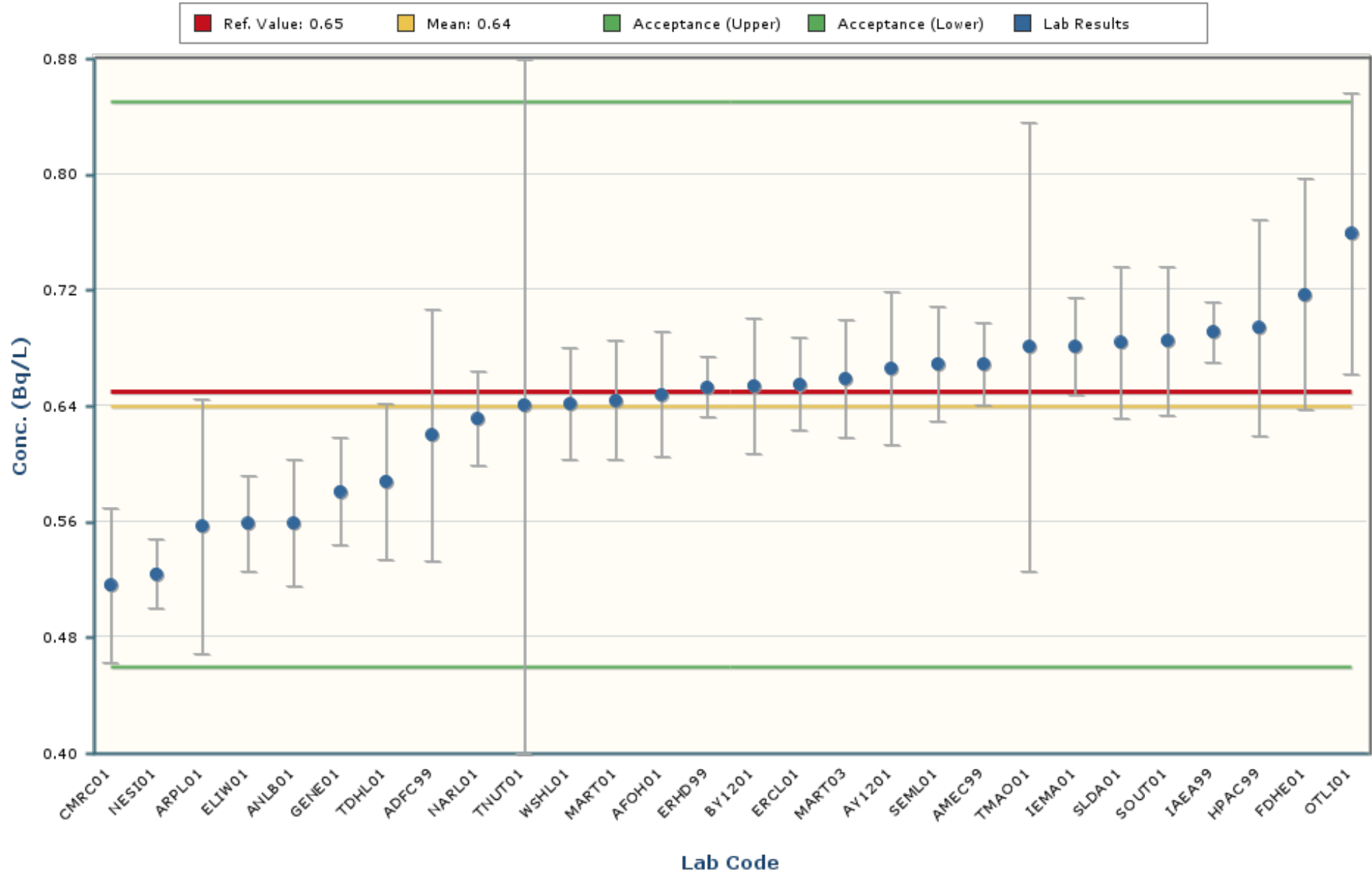
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 6.1 and 13.9 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Uranium-234

MAPEP-26-MaW54



Notes:

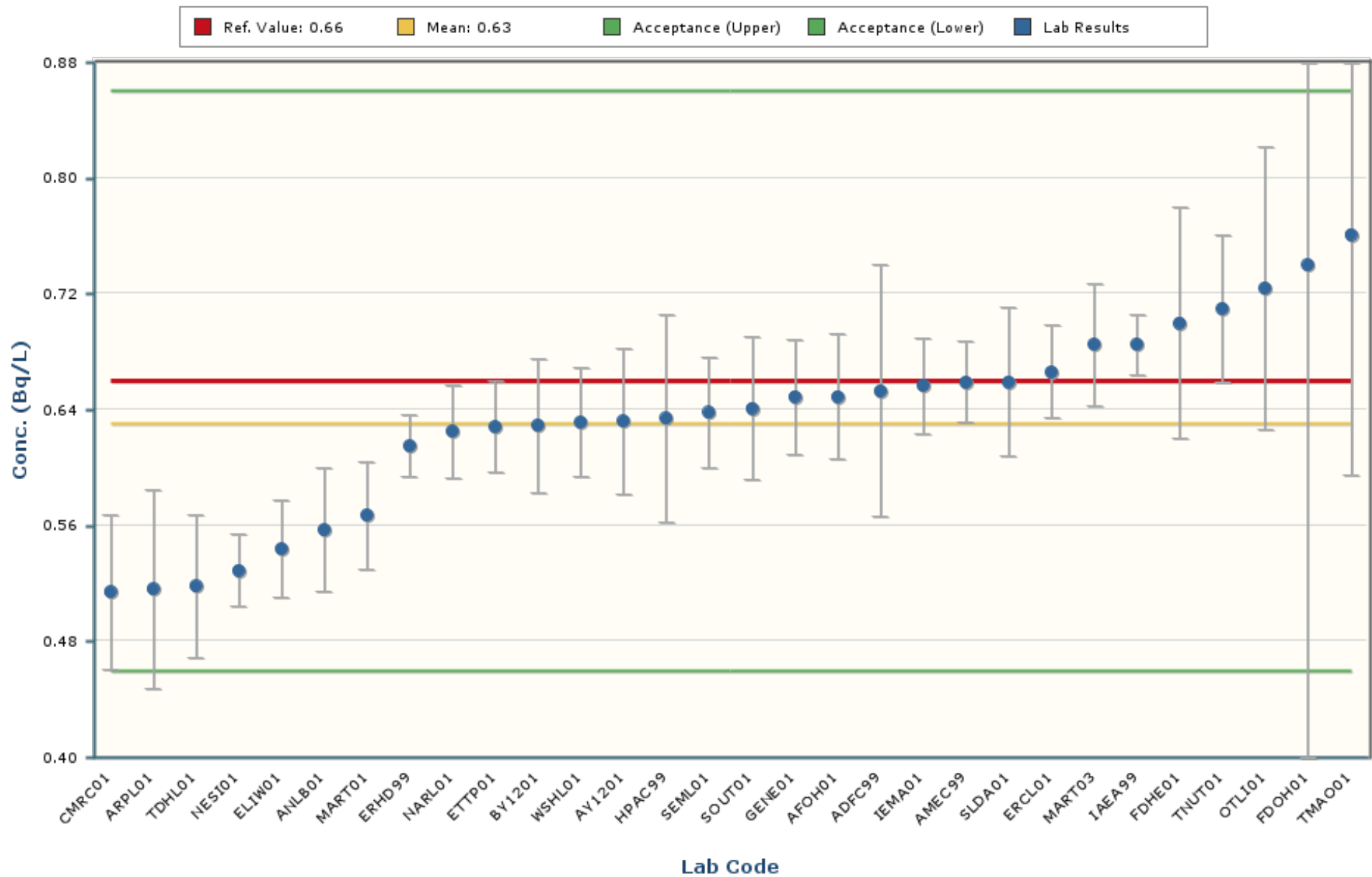
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.35 and 0.93 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

Uranium-238

MAPEP-26-MaW54



Notes:

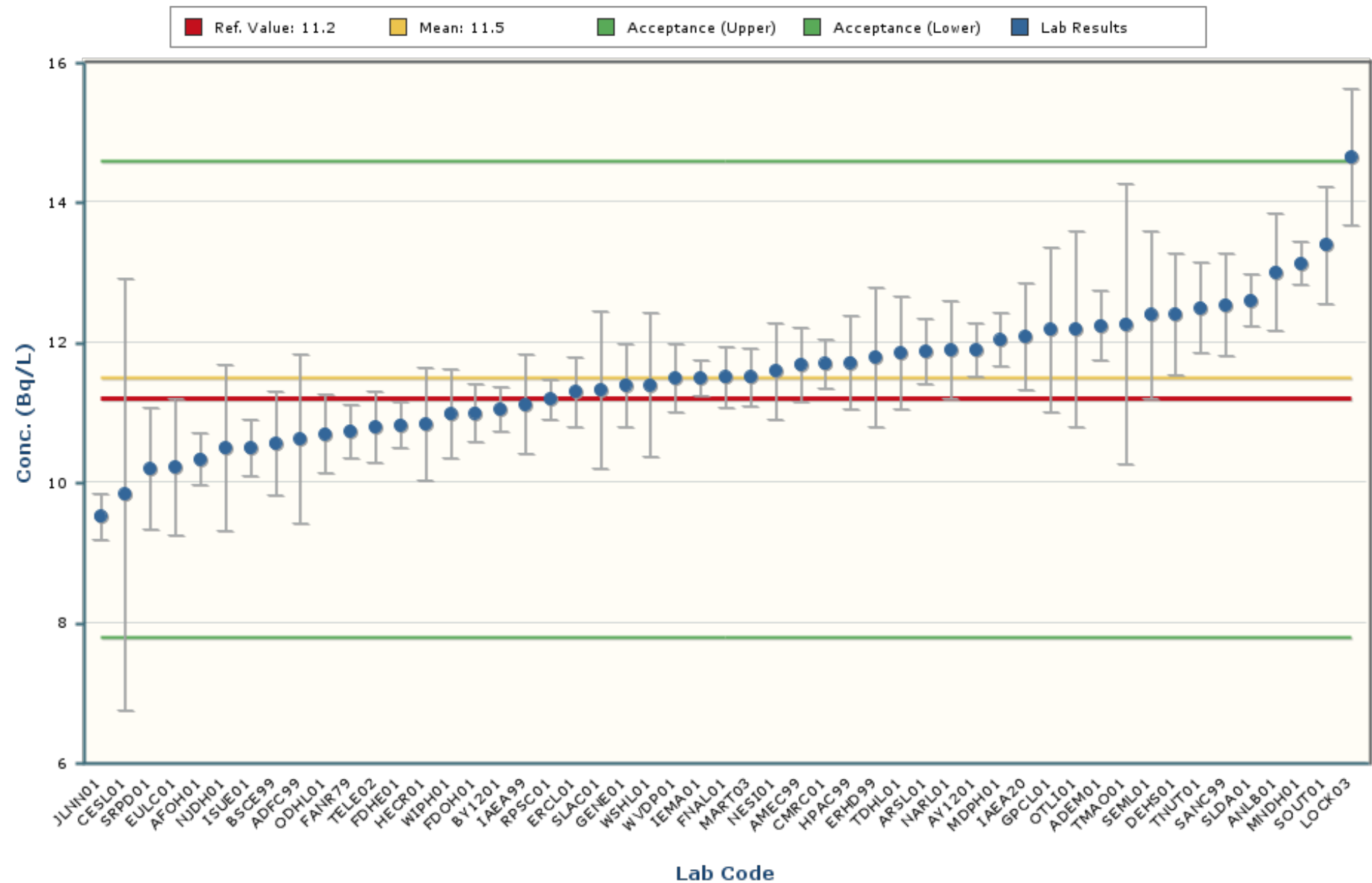
The chart mean excludes values outside of a bias range of $\pm 30\%$.

The chart shows only data points with values between 0.30 and 0.96 (± 5 Standard Deviations).

The error bars encompassing each result are plotted at $\pm$ one standard deviation.

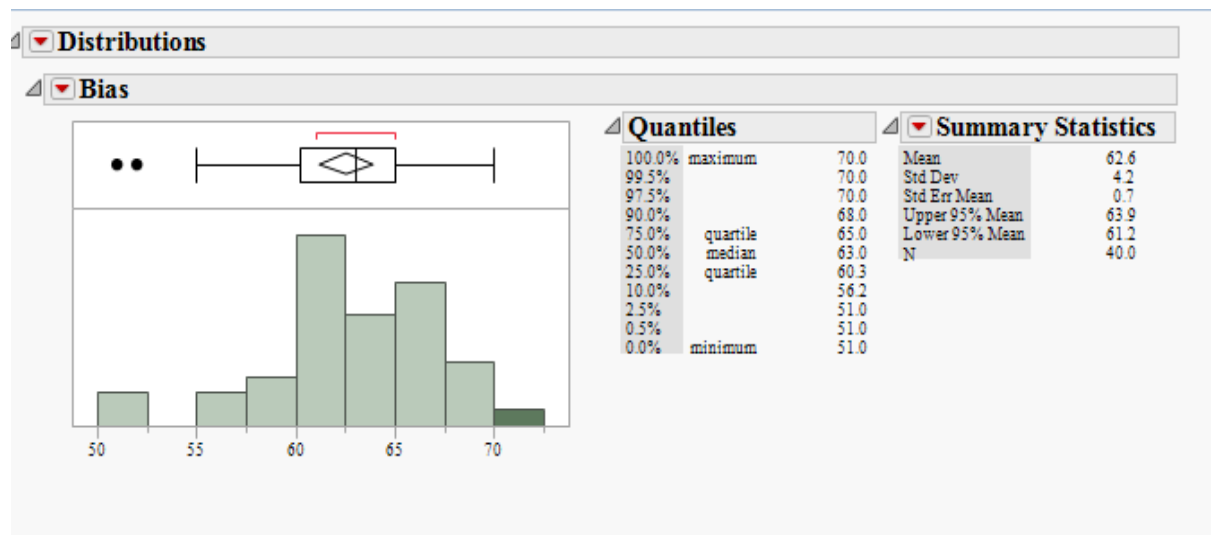
Zinc-65

MAPEP-26-MaW54



Notes:
The chart mean excludes values outside of a bias range of $\pm 30\%$.
The chart shows only data points with values between 7.2 and 15.7 (± 5 Standard Deviations).
The error bars encompassing each result are plotted at $\pm$ one standard deviation.

The intent of the distribution graphs contained within this report is to graphically demonstrate to users how % Bias data within the current MAPEP Series appears when examined by matrix, by analyte, by method of sample preparation or by method of detection. Biases greater than +/- 100% have been screened from the data. The box plot of the bias data points and the mean visually illustrate the breadth of the distribution and where potential outliers in the distribution might lie. The statistics for the distribution plot are provided adjacent to the Bias plot. In some cases, N becomes very small and thus developed statistics may not accurately reflect estimates of the population if N were a significantly larger value.

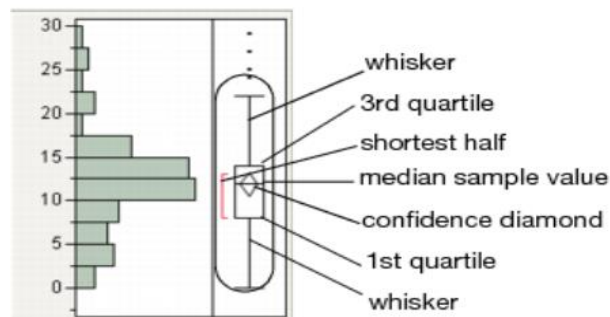


Outlier Box Plot

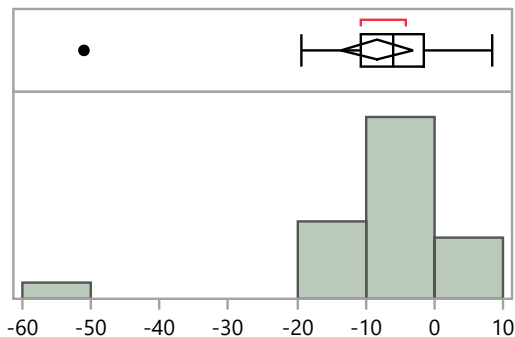
The BLACK small vertical line inside the small rectangle at the top of the data distribution graph is the median of the population of the bias shown for that analyte in the matrix. The confidence diamond contains the mean and the upper and lower 95% of the mean. If you drew a line through the middle of the diamond, you would have the mean. The top and bottom points of the diamond represent the upper and lower 95% of the mean. The ends of the box represent the 25th and 75th quantiles, also expressed as 1st and 3rd quartile. The difference between the 1st and 3rd quartiles is called the interquartile range. Each box has lines that extend from each end, sometimes called whiskers. The whiskers extend from the ends of the box to the outermost data point that falls within the distances computed as follows:

3rd quartile + 1.5*(interquartile range)

1st quartile - 1.5*(interquartile range)



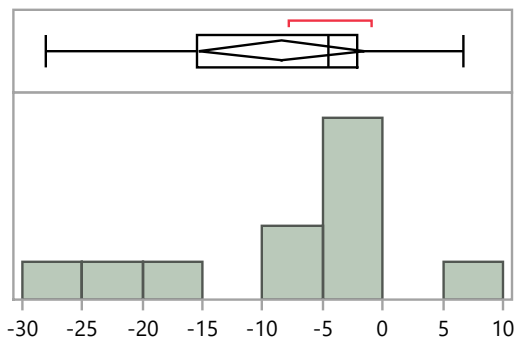
If the data points do not reach the computed ranges, then the whiskers are determined by the upper and lower data point values (not including outliers). The bracket outside of the box identifies the *shortest half*, which is the most dense 50% of the observations (Rousseuw and Leroy 1987).

MaW54 Distribution by Detection Method**Distributions Analyte_Detection=Americium-241 Alpha Spectrometry****Bias****Quantiles**

100.0%	maximum	8.4
99.5%		8.4
97.5%		8.4
90.0%		2.7
75.0%	quartile	-1.7
50.0%	median	-6.0
25.0%	quartile	-10.8
10.0%		-18.9
2.5%		-51.0
0.5%		-51.0
0.0%	minimum	-51.0

Summary Statistics

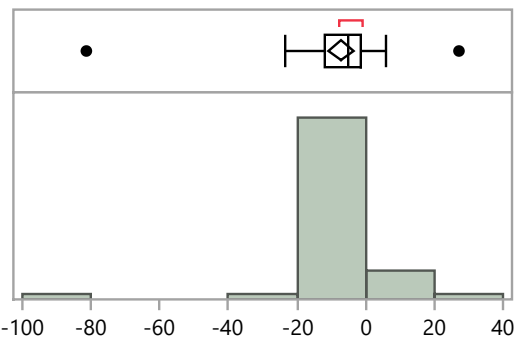
Mean	-8.4
Std Dev	11.7
Std Err Mean	2.5
Upper 95% Mean	-3.2
Lower 95% Mean	-13.5
N	22.0

Distributions Analyte_Detection=Americium-241 Gamma Spectrometry**Bias****Quantiles**

100.0%	maximum	6.7
99.5%		6.7
97.5%		6.7
90.0%		5.2
75.0%	quartile	-2.2
50.0%	median	-4.6
25.0%	quartile	-15.5
10.0%		-27.2
2.5%		-28.0
0.5%		-28.0
0.0%	minimum	-28.0

Summary Statistics

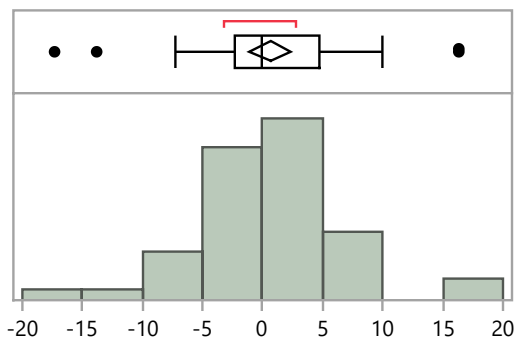
Mean	-8.5
Std Dev	10.3
Std Err Mean	3.1
Upper 95% Mean	-1.6
Lower 95% Mean	-15.4
N	11.0

Distributions Analyte_Detection=Cesium-134 Gamma Spectrometry**Bias****Quantiles**

100.0%	maximum	27.1
99.5%		27.1
97.5%		21.2
90.0%		2.6
75.0%	quartile	-1.7
50.0%	median	-5.4
25.0%	quartile	-12.1
10.0%		-15.1
2.5%		-65.5
0.5%		-81.3
0.0%	minimum	-81.3

Summary Statistics

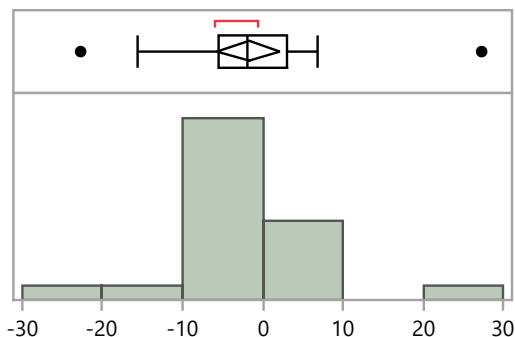
Mean	-7.3
Std Dev	13.3
Std Err Mean	1.9
Upper 95% Mean	-3.5
Lower 95% Mean	-11.1
N	50.0

MaW54 Distribution by Detection Method**Distributions Analyte_Detection=Cesium-137 Gamma Spectrometry****Bias****Quantiles**

100.0%	maximum	16.3
99.5%		16.3
97.5%		16.3
90.0%		7.4
75.0%	quartile	4.7
50.0%	median	0.0
25.0%	quartile	-2.3
10.0%		-6.0
2.5%		-16.3
0.5%		-17.3
0.0%	minimum	-17.3

Summary Statistics

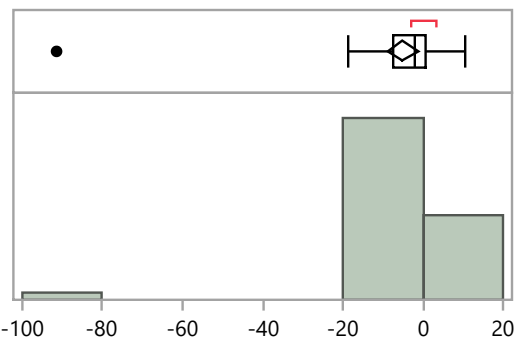
Mean	0.7
Std Dev	6.0
Std Err Mean	0.8
Upper 95% Mean	2.4
Lower 95% Mean	-1.0
N	51.0

Distributions Analyte_Detection=Chromium-51 Gamma Spectrometry**Bias****Quantiles**

100.0%	maximum	27.3
99.5%		27.3
97.5%		27.3
90.0%		6.2
75.0%	quartile	3.0
50.0%	median	-1.9
25.0%	quartile	-5.6
10.0%		-12.6
2.5%		-22.7
0.5%		-22.7
0.0%	minimum	-22.7

Summary Statistics

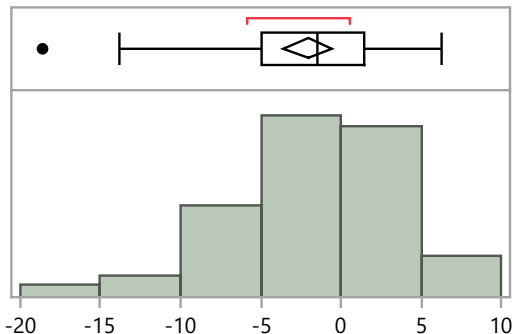
Mean	-1.7
Std Dev	9.1
Std Err Mean	1.9
Upper 95% Mean	2.2
Lower 95% Mean	-5.7
N	23.0

Distributions Analyte_Detection=Cobalt-57 Gamma Spectrometry**Bias****Quantiles**

100.0%	maximum	10.4
99.5%		10.4
97.5%		8.3
90.0%		3.1
75.0%	quartile	0.8
50.0%	median	-2.1
25.0%	quartile	-7.3
10.0%		-11.7
2.5%		-67.7
0.5%		-91.4
0.0%	minimum	-91.4

Summary Statistics

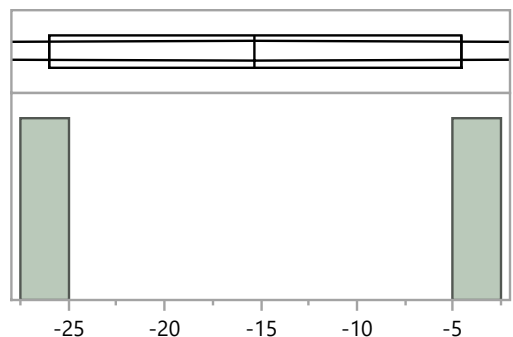
Mean	-5.1
Std Dev	13.5
Std Err Mean	1.9
Upper 95% Mean	-1.3
Lower 95% Mean	-8.8
N	52.0

MaW54 Distribution by Detection Method**Distributions Analyte_Detection=Cobalt-60 Gamma Spectrometry****Bias****Quantiles**

100.0%	maximum	6.3
99.5%		6.3
97.5%		6.2
90.0%		4.7
75.0%	quartile	1.5
50.0%	median	-1.5
25.0%	quartile	-5.0
10.0%		-9.5
2.5%		-17.2
0.5%		-18.6
0.0%	minimum	-18.6

Summary Statistics

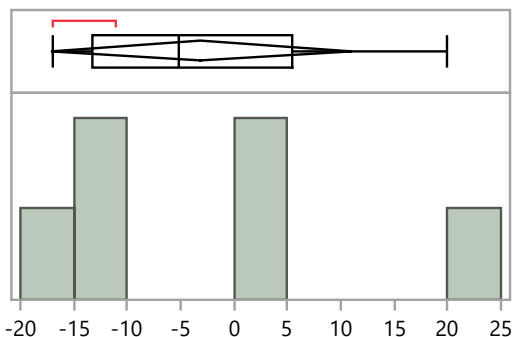
Mean	-2.0
Std Dev	5.3
Std Err Mean	0.7
Upper 95% Mean	-0.5
Lower 95% Mean	-3.5
N	51.0

Distributions Analyte_Detection=Iron-55 Gamma Spectrometry**Bias****Quantiles**

100.0%	maximum	-4.6
99.5%		-4.6
97.5%		-4.6
90.0%		-4.6
75.0%	quartile	-4.6
50.0%	median	-15.3
25.0%	quartile	-26.0
10.0%		-26.0
2.5%		-26.0
0.5%		-26.0
0.0%	minimum	-26.0

Summary Statistics

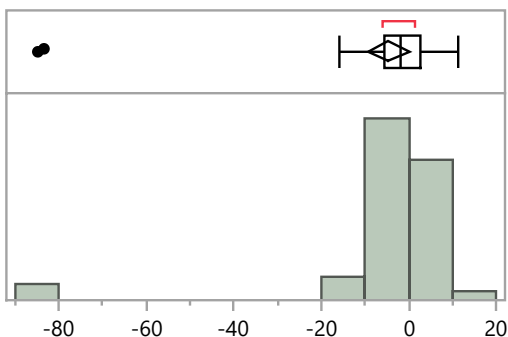
Mean	-15.3
Std Dev	15.1
Std Err Mean	10.7
Upper 95% Mean	120.7
Lower 95% Mean	-151.3
N	2.0

Distributions Analyte_Detection=Iron-55 Liquid Scintillation Counter**Bias****Quantiles**

100.0%	maximum	20.0
99.5%		20.0
97.5%		20.0
90.0%		20.0
75.0%	quartile	5.5
50.0%	median	-5.2
25.0%	quartile	-13.3
10.0%		-17.0
2.5%		-17.0
0.5%		-17.0
0.0%	minimum	-17.0

Summary Statistics

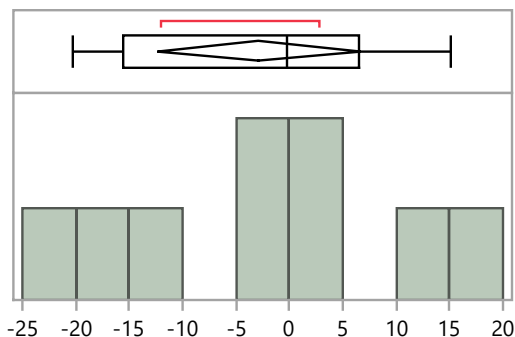
Mean	-3.1
Std Dev	13.4
Std Err Mean	5.5
Upper 95% Mean	11.0
Lower 95% Mean	-17.2
N	6.0

MaW54 Distribution by Detection Method**Distributions Analyte_Detection=Manganese-54 Gamma Spectrometry****Bias****Quantiles**

100.0%	maximum	11.4
99.5%		11.4
97.5%		10.3
90.0%		5.6
75.0%	quartile	2.5
50.0%	median	-1.8
25.0%	quartile	-5.7
10.0%		-10.8
2.5%		-84.3
0.5%		-84.8
0.0%	minimum	-84.8

Summary Statistics

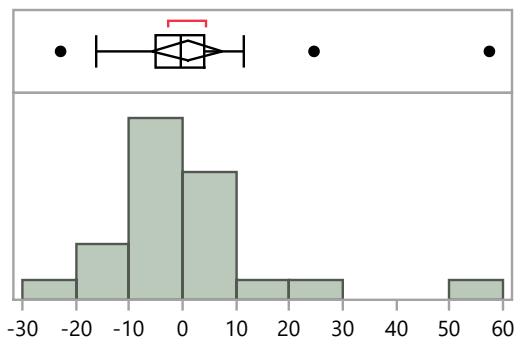
Mean	-4.7
Std Dev	17.0
Std Err Mean	2.4
Upper 95% Mean	0.0
Lower 95% Mean	-9.4
N	52.0

Distributions Analyte_Detection=Nickel-63 Liquid Scintillation Counter**Bias****Quantiles**

100.0%	maximum	15.1
99.5%		15.1
97.5%		15.1
90.0%		15.1
75.0%	quartile	6.6
50.0%	median	-0.3
25.0%	quartile	-15.6
10.0%		-20.2
2.5%		-20.2
0.5%		-20.2
0.0%	minimum	-20.2

Summary Statistics

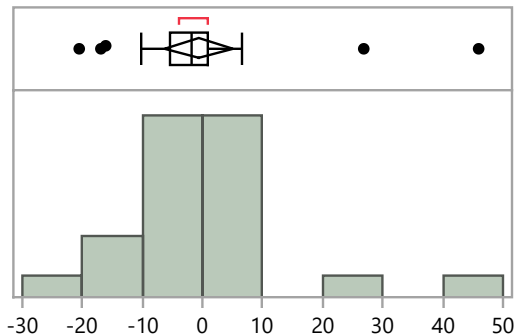
Mean	-2.8
Std Dev	12.4
Std Err Mean	4.1
Upper 95% Mean	6.6
Lower 95% Mean	-12.3
N	9.0

Distributions Analyte_Detection=Plutonium-238 Alpha Spectrometry**Bias****Quantiles**

100.0%	maximum	57.4
99.5%		57.4
97.5%		57.4
90.0%		18.0
75.0%	quartile	3.9
50.0%	median	-0.3
25.0%	quartile	-5.1
10.0%		-15.4
2.5%		-22.8
0.5%		-22.8
0.0%	minimum	-22.8

Summary Statistics

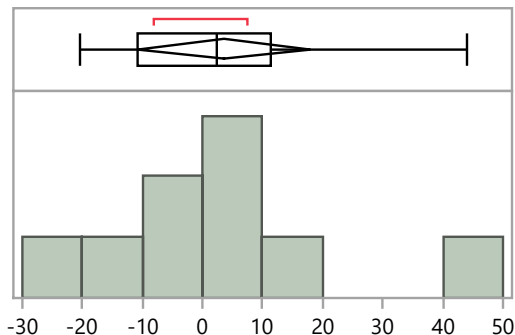
Mean	0.9
Std Dev	15.3
Std Err Mean	3.1
Upper 95% Mean	7.3
Lower 95% Mean	-5.6
N	24.0

MaW54 Distribution by Detection Method**Distributions Analyte_Detection=Plutonium-239/240 Alpha Spectrometry****Bias****Quantiles**

100.0%	maximum	45.9
99.5%		45.9
97.5%		45.9
90.0%		16.8
75.0%	quartile	0.9
50.0%	median	-2.0
25.0%	quartile	-5.5
10.0%		-16.5
2.5%		-20.5
0.5%		-20.5
0.0%	minimum	-20.5

Summary Statistics

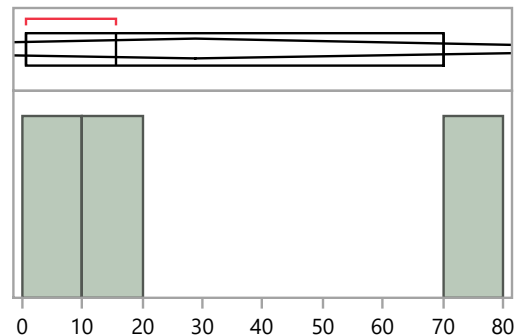
Mean	-0.5
Std Dev	13.4
Std Err Mean	2.7
Upper 95% Mean	5.2
Lower 95% Mean	-6.2
N	24.0

Distributions Analyte_Detection=Radium-226 Alpha Spectrometry**Bias****Quantiles**

100.0%	maximum	44.1
99.5%		44.1
97.5%		44.1
90.0%		44.1
75.0%	quartile	11.4
50.0%	median	2.3
25.0%	quartile	-10.7
10.0%		-20.4
2.5%		-20.4
0.5%		-20.4
0.0%	minimum	-20.4

Summary Statistics

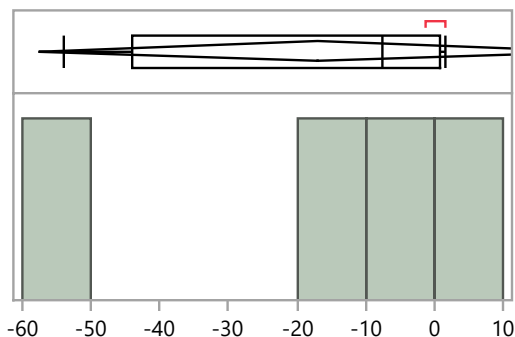
Mean	3.5
Std Dev	18.8
Std Err Mean	6.3
Upper 95% Mean	17.9
Lower 95% Mean	-10.9
N	9.0

Distributions Analyte_Detection=Radium-226 Gamma Spectrometry**Bias****Quantiles**

100.0%	maximum	70.0
99.5%		70.0
97.5%		70.0
90.0%		70.0
75.0%	quartile	70.0
50.0%	median	15.7
25.0%	quartile	0.6
10.0%		0.6
2.5%		0.6
0.5%		0.6
0.0%	minimum	0.6

Summary Statistics

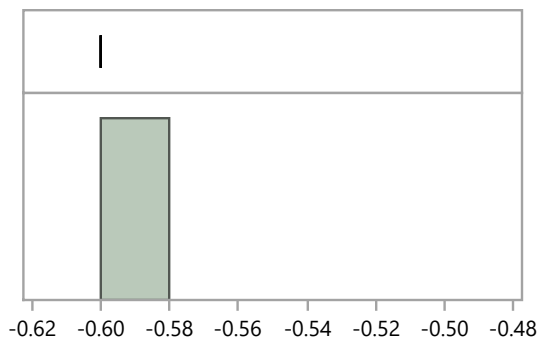
Mean	28.8
Std Dev	36.5
Std Err Mean	21.1
Upper 95% Mean	119.4
Lower 95% Mean	-61.9
N	3.0

MaW54 Distribution by Detection Method**Distributions Analyte_Detection=Radium-226 Gas Flow Proportional Counter****Bias****Quantiles**

100.0%	maximum	1.5
99.5%		1.5
97.5%		1.5
90.0%		1.5
75.0%	quartile	0.8
50.0%	median	-7.7
25.0%	quartile	-44.0
10.0%		-54.0
2.5%		-54.0
0.5%		-54.0
0.0%	minimum	-54.0

Summary Statistics

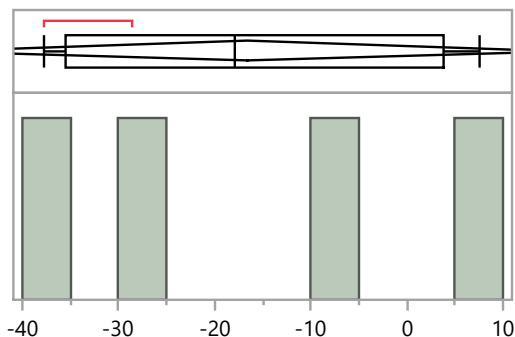
Mean	-17.0
Std Dev	25.6
Std Err Mean	12.8
Upper 95% Mean	23.8
Lower 95% Mean	-57.7
N	4.0

Distributions Analyte_Detection=Radium-226 Gross Alpha/Beta - 2 pi gas flow proportional counter**Bias****Quantiles**

100.0%	maximum	-0.6
99.5%		-0.6
97.5%		-0.6
90.0%		-0.6
75.0%	quartile	-0.6
50.0%	median	-0.6
25.0%	quartile	-0.6
10.0%		-0.6
2.5%		-0.6
0.5%		-0.6
0.0%	minimum	-0.6

Summary Statistics

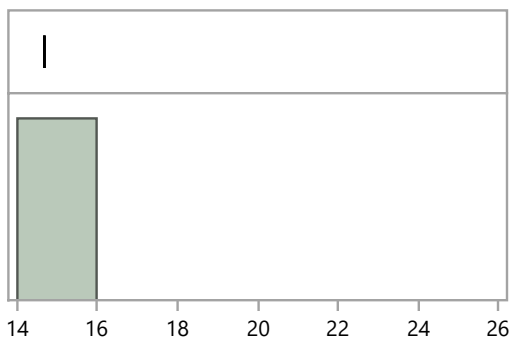
Mean	-0.6
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Detection=Radium-226 Other**Bias****Quantiles**

100.0%	maximum	7.6
99.5%		7.6
97.5%		7.6
90.0%		7.6
75.0%	quartile	3.9
50.0%	median	-18.0
25.0%	quartile	-35.4
10.0%		-37.7
2.5%		-37.7
0.5%		-37.7
0.0%	minimum	-37.7

Summary Statistics

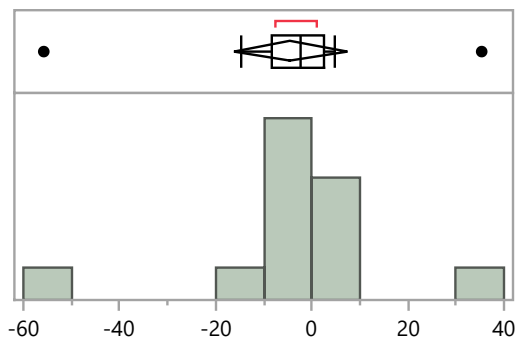
Mean	-16.5
Std Dev	20.5
Std Err Mean	10.3
Upper 95% Mean	16.1
Lower 95% Mean	-49.1
N	4.0

MaW54 Distribution by Detection Method**Distributions Analyte_Detection=Technetium-99 Inductively Coupled Plasma Mass Spectrometry****Bias****Quantiles**

100.0%	maximum	14.7
99.5%		14.7
97.5%		14.7
90.0%		14.7
75.0%	quartile	14.7
50.0%	median	14.7
25.0%	quartile	14.7
10.0%		14.7
2.5%		14.7
0.5%		14.7
0.0%	minimum	14.7

Summary Statistics

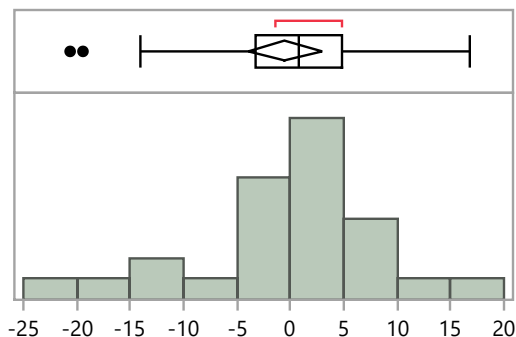
Mean	14.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Detection=Technetium-99 Liquid Scintillation Counter**Bias****Quantiles**

100.0%	maximum	35.3
99.5%		35.3
97.5%		35.3
90.0%		23.1
75.0%	quartile	2.5
50.0%	median	-2.3
25.0%	quartile	-8.3
10.0%		-39.3
2.5%		-55.7
0.5%		-55.7
0.0%	minimum	-55.7

Summary Statistics

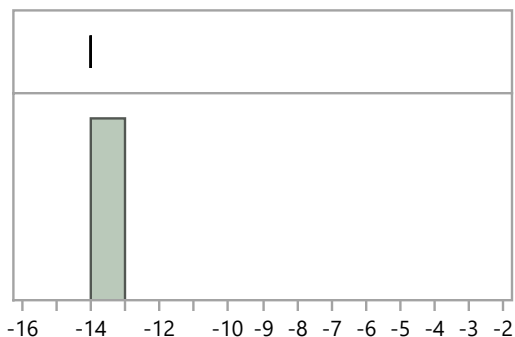
Mean	-4.4
Std Dev	19.5
Std Err Mean	5.4
Upper 95% Mean	7.3
Lower 95% Mean	-16.2
N	13.0

Distributions Analyte_Detection=Uranium-234 Alpha Spectrometry**Bias****Quantiles**

100.0%	maximum	16.8
99.5%		16.8
97.5%		16.8
90.0%		7.9
75.0%	quartile	4.9
50.0%	median	0.7
25.0%	quartile	-3.3
10.0%		-15.6
2.5%		-20.6
0.5%		-20.6
0.0%	minimum	-20.6

Summary Statistics

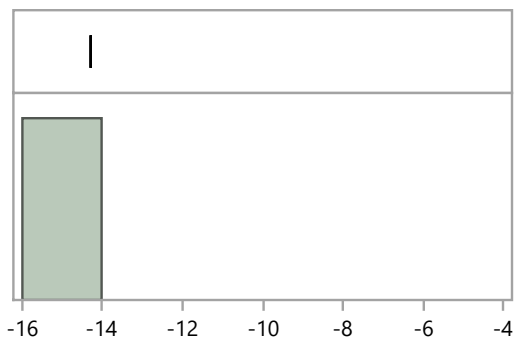
Mean	-0.5
Std Dev	8.6
Std Err Mean	1.7
Upper 95% Mean	2.9
Lower 95% Mean	-4.0
N	26.0

MaW54 Distribution by Detection Method**Distributions Analyte_Detection=Uranium-234 Gas Flow Proportional Counter****Bias****Quantiles**

100.0%	maximum	-14.0
99.5%		-14.0
97.5%		-14.0
90.0%		-14.0
75.0%	quartile	-14.0
50.0%	median	-14.0
25.0%	quartile	-14.0
10.0%		-14.0
2.5%		-14.0
0.5%		-14.0
0.0%	minimum	-14.0

Summary Statistics

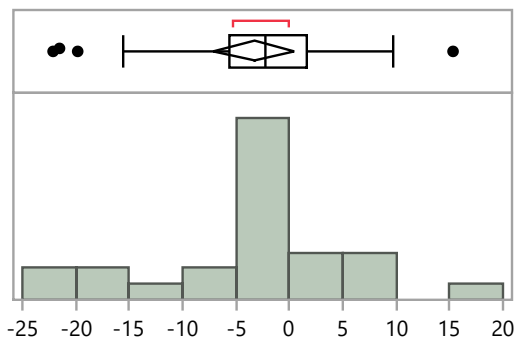
Mean	-14.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Detection=Uranium-234 Liquid Scintillation Counter**Bias****Quantiles**

100.0%	maximum	-14.3
99.5%		-14.3
97.5%		-14.3
90.0%		-14.3
75.0%	quartile	-14.3
50.0%	median	-14.3
25.0%	quartile	-14.3
10.0%		-14.3
2.5%		-14.3
0.5%		-14.3
0.0%	minimum	-14.3

Summary Statistics

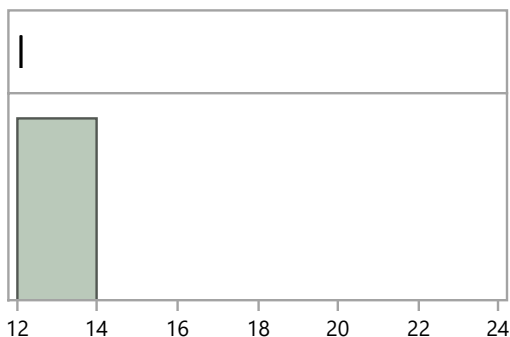
Mean	-14.3
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Detection=Uranium-238 Alpha Spectrometry**Bias****Quantiles**

100.0%	maximum	15.3
99.5%		15.3
97.5%		15.3
90.0%		8.2
75.0%	quartile	1.6
50.0%	median	-2.3
25.0%	quartile	-5.7
10.0%		-20.3
2.5%		-22.1
0.5%		-22.1
0.0%	minimum	-22.1

Summary Statistics

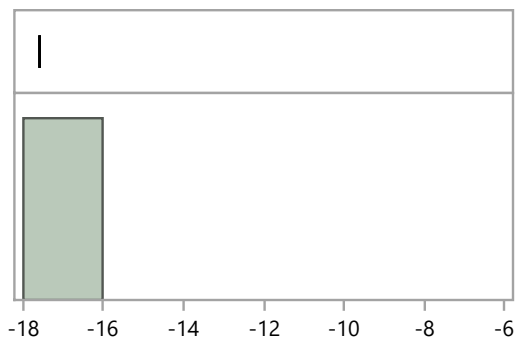
Mean	-3.3
Std Dev	9.2
Std Err Mean	1.8
Upper 95% Mean	0.4
Lower 95% Mean	-7.1
N	26.0

MaW54 Distribution by Detection Method**Distributions Analyte_Detection=Uranium-238 Gamma Spectrometry****Bias****Quantiles**

100.0%	maximum	12.1
99.5%		12.1
97.5%		12.1
90.0%		12.1
75.0%	quartile	12.1
50.0%	median	12.1
25.0%	quartile	12.1
10.0%		12.1
2.5%		12.1
0.5%		12.1
0.0%	minimum	12.1

Summary Statistics

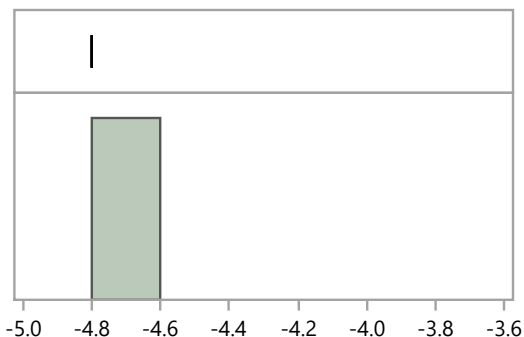
Mean	12.1
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Detection=Uranium-238 Gas Flow Proportional Counter**Bias****Quantiles**

100.0%	maximum	-17.6
99.5%		-17.6
97.5%		-17.6
90.0%		-17.6
75.0%	quartile	-17.6
50.0%	median	-17.6
25.0%	quartile	-17.6
10.0%		-17.6
2.5%		-17.6
0.5%		-17.6
0.0%	minimum	-17.6

Summary Statistics

Mean	-17.6
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Detection=Uranium-238 Inductively Coupled Plasma Mass Spectrometry**Bias****Quantiles**

100.0%	maximum	-4.8
99.5%		-4.8
97.5%		-4.8
90.0%		-4.8
75.0%	quartile	-4.8
50.0%	median	-4.8
25.0%	quartile	-4.8
10.0%		-4.8
2.5%		-4.8
0.5%		-4.8
0.0%	minimum	-4.8

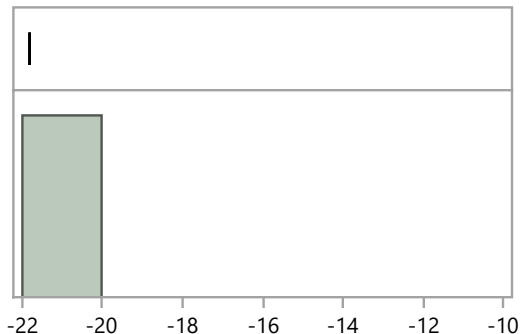
Summary Statistics

Mean	-4.8
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Detection Method

Distributions Analyte_Detection=Uranium-238 Liquid Scintillation Counter

Bias



Quantiles

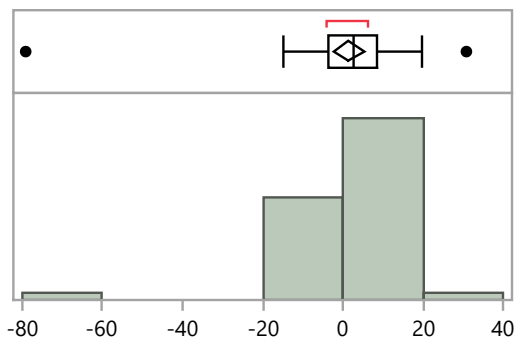
100.0%	maximum	-21.8
99.5%		-21.8
97.5%		-21.8
90.0%		-21.8
75.0%	quartile	-21.8
50.0%	median	-21.8
25.0%	quartile	-21.8
10.0%		-21.8
2.5%		-21.8
0.5%		-21.8
0.0%	minimum	-21.8

Summary Statistics

Mean	-21.8
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Detection=Zinc-65 Gamma Spectrometry

Bias

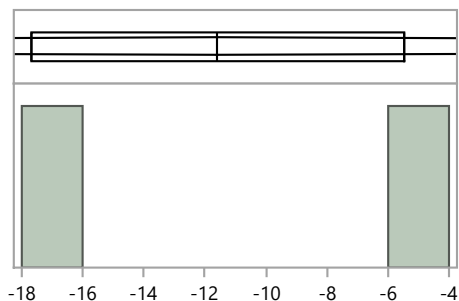


Quantiles

100.0%	maximum	30.8
99.5%		30.8
97.5%		27.2
90.0%		12.4
75.0%	quartile	8.6
50.0%	median	2.8
25.0%	quartile	-3.6
10.0%		-8.4
2.5%		-58.3
0.5%		-79.1
0.0%	minimum	-79.1

Summary Statistics

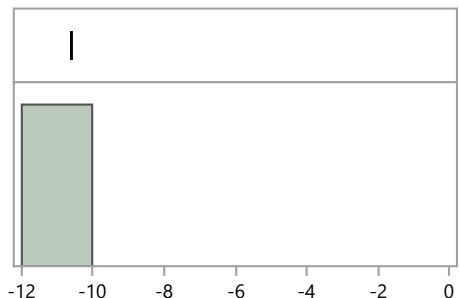
Mean	1.5
Std Dev	14.2
Std Err Mean	2.0
Upper 95% Mean	5.4
Lower 95% Mean	-2.4
N	52.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Americium-241 Acid dissolution with hydrofluoric acid****Bias****Quantiles**

100.0%	maximum	-5.5
99.5%		-5.5
97.5%		-5.5
90.0%		-5.5
75.0%	quartile	-5.5
50.0%	median	-11.6
25.0%	quartile	-17.7
10.0%		-17.7
2.5%		-17.7
0.5%		-17.7
0.0%	minimum	-17.7

Summary Statistics

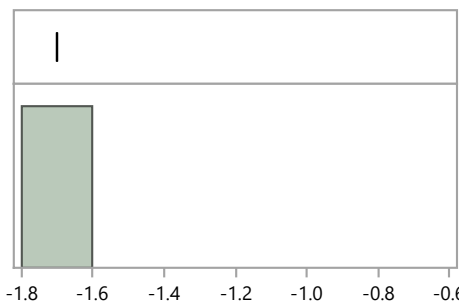
Mean	-11.6
Std Dev	8.6
Std Err Mean	6.1
Upper 95% Mean	65.9
Lower 95% Mean	-89.1
N	2.0

Distributions Analyte_Method=Americium-241 Acid leaching without hydrofluoric acid**Bias****Quantiles**

100.0%	maximum	-10.6
99.5%		-10.6
97.5%		-10.6
90.0%		-10.6
75.0%	quartile	-10.6
50.0%	median	-10.6
25.0%	quartile	-10.6
10.0%		-10.6
2.5%		-10.6
0.5%		-10.6
0.0%	minimum	-10.6

Summary Statistics

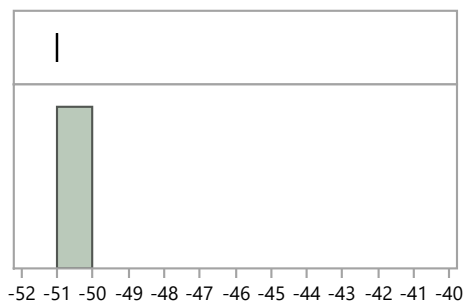
Mean	-10.6
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Americium-241 Coprecipitation, straight**Bias****Quantiles**

100.0%	maximum	-1.7
99.5%		-1.7
97.5%		-1.7
90.0%		-1.7
75.0%	quartile	-1.7
50.0%	median	-1.7
25.0%	quartile	-1.7
10.0%		-1.7
2.5%		-1.7
0.5%		-1.7
0.0%	minimum	-1.7

Summary Statistics

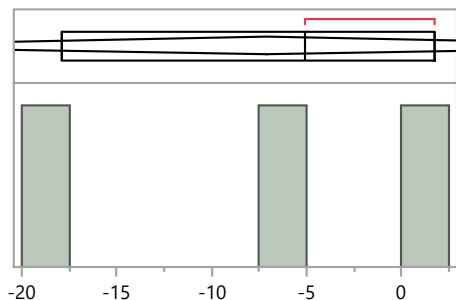
Mean	-1.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Americium-241 EPA 907, Actinide Elements, 600/4/80-032****Bias****Quantiles**

100.0%	maximum	-51.0
99.5%		-51.0
97.5%		-51.0
90.0%		-51.0
75.0%	quartile	-51.0
50.0%	median	-51.0
25.0%	quartile	-51.0
10.0%		-51.0
2.5%		-51.0
0.5%		-51.0
0.0%	minimum	-51.0

Summary Statistics

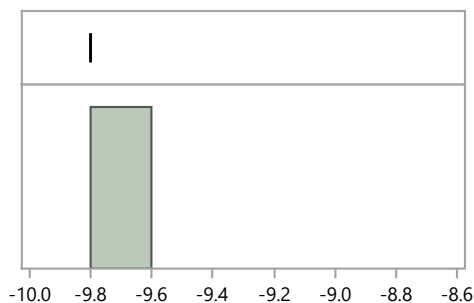
Mean	-51.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Americium-241 Evaporation, acidified**Bias****Quantiles**

100.0%	maximum	1.7
99.5%		1.7
97.5%		1.7
90.0%		1.7
75.0%	quartile	1.7
50.0%	median	-5.1
25.0%	quartile	-17.9
10.0%		-17.9
2.5%		-17.9
0.5%		-17.9
0.0%	minimum	-17.9

Summary Statistics

Mean	-7.1
Std Dev	10.0
Std Err Mean	5.7
Upper 95% Mean	17.6
Lower 95% Mean	-31.8
N	3.0

Distributions Analyte_Method=Americium-241 Evaporation, straight**Bias****Quantiles**

100.0%	maximum	-9.8
99.5%		-9.8
97.5%		-9.8
90.0%		-9.8
75.0%	quartile	-9.8
50.0%	median	-9.8
25.0%	quartile	-9.8
10.0%		-9.8
2.5%		-9.8
0.5%		-9.8
0.0%	minimum	-9.8

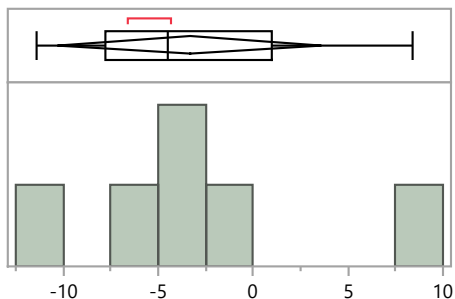
Summary Statistics

Mean	-9.8
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method

Distributions Analyte_Method=Americium-241 Ion Exchange Chromatography / Ion Chromatography

Bias



Quantiles

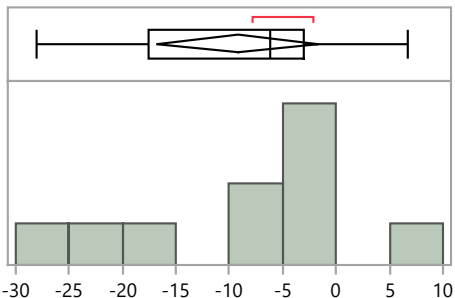
100.0%	maximum	8.4
99.5%		8.4
97.5%		8.4
90.0%		8.4
75.0%	quartile	1.0
50.0%	median	-4.5
25.0%	quartile	-7.8
10.0%		-11.4
2.5%		-11.4
0.5%		-11.4
0.0%	minimum	-11.4

Summary Statistics

Mean	-3.4
Std Dev	6.6
Std Err Mean	2.7
Upper 95% Mean	3.6
Lower 95% Mean	-10.3
N	6.0

Distributions Analyte_Method=Americium-241 No preparation - analyzed as received

Bias



Quantiles

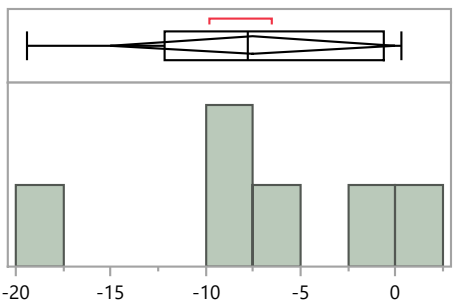
100.0%	maximum	6.7
99.5%		6.7
97.5%		6.7
90.0%		5.8
75.0%	quartile	-3.1
50.0%	median	-6.2
25.0%	quartile	-17.6
10.0%		-27.6
2.5%		-28.0
0.5%		-28.0
0.0%	minimum	-28.0

Summary Statistics

Mean	-9.2
Std Dev	10.5
Std Err Mean	3.3
Upper 95% Mean	-1.7
Lower 95% Mean	-16.7
N	10.0

Distributions Analyte_Method=Americium-241 Other

Bias

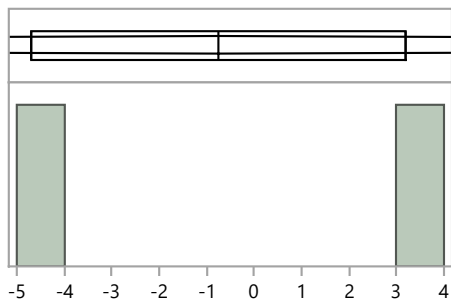


Quantiles

100.0%	maximum	0.3
99.5%		0.3
97.5%		0.3
90.0%		0.3
75.0%	quartile	-0.6
50.0%	median	-7.8
25.0%	quartile	-12.2
10.0%		-19.4
2.5%		-19.4
0.5%		-19.4
0.0%	minimum	-19.4

Summary Statistics

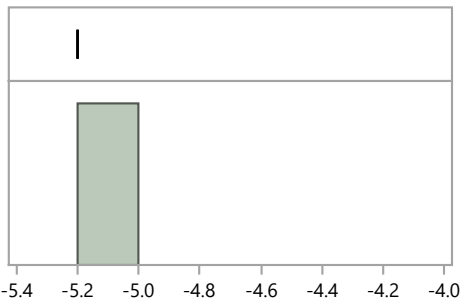
Mean	-7.6
Std Dev	7.1
Std Err Mean	2.9
Upper 95% Mean	-0.1
Lower 95% Mean	-15.1
N	6.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Americium-241 Total dissolution by fusion****Bias****Quantiles**

100.0%	maximum	3.2
99.5%		3.2
97.5%		3.2
90.0%		3.2
75.0%	quartile	3.2
50.0%	median	-0.8
25.0%	quartile	-4.7
10.0%		-4.7
2.5%		-4.7
0.5%		-4.7
0.0%	minimum	-4.7

Summary Statistics

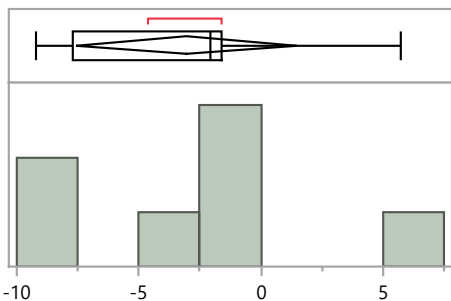
Mean	-0.8
Std Dev	5.6
Std Err Mean	4.0
Upper 95% Mean	49.4
Lower 95% Mean	-50.9
N	2.0

Distributions Analyte_Method=Cesium-134 EPA 900, Radioactivity, Gross Alpha/Beta Screening, 600/4-80-032**Bias****Quantiles**

100.0%	maximum	-5.2
99.5%		-5.2
97.5%		-5.2
90.0%		-5.2
75.0%	quartile	-5.2
50.0%	median	-5.2
25.0%	quartile	-5.2
10.0%		-5.2
2.5%		-5.2
0.5%		-5.2
0.0%	minimum	-5.2

Summary Statistics

Mean	-5.2
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Cesium-134 EPA 901.1, Gamma Emitting, 600/4-80-032**Bias****Quantiles**

100.0%	maximum	5.7
99.5%		5.7
97.5%		5.7
90.0%		5.7
75.0%	quartile	-1.6
50.0%	median	-2.1
25.0%	quartile	-7.7
10.0%		-9.2
2.5%		-9.2
0.5%		-9.2
0.0%	minimum	-9.2

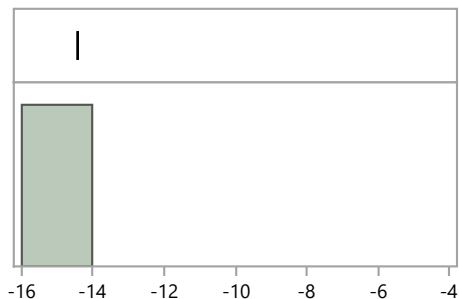
Summary Statistics

Mean	-3.0
Std Dev	4.9
Std Err Mean	1.8
Upper 95% Mean	1.5
Lower 95% Mean	-7.5
N	7.0

MaW54 Distribution by Preparation Method

Distributions Analyte_Method=Cesium-134 EPA 906, Tritium, 600/4/80-032

Bias



Quantiles

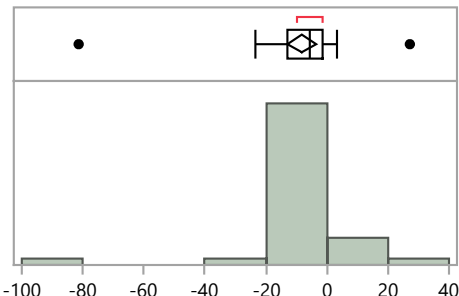
100.0%	maximum	-14.4
99.5%		-14.4
97.5%		-14.4
90.0%		-14.4
75.0%	quartile	-14.4
50.0%	median	-14.4
25.0%	quartile	-14.4
10.0%		-14.4
2.5%		-14.4
0.5%		-14.4
0.0%	minimum	-14.4

Summary Statistics

Mean	-14.4
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Cesium-134 No preparation - analyzed as received

Bias



Quantiles

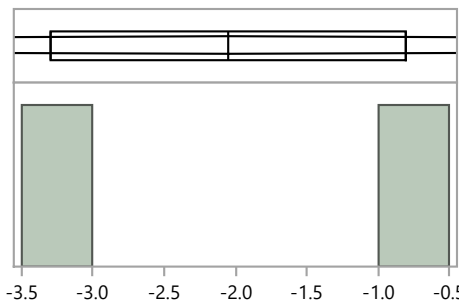
100.0%	maximum	27.1
99.5%		27.1
97.5%		27.1
90.0%		2.6
75.0%	quartile	-1.7
50.0%	median	-5.7
25.0%	quartile	-13.0
10.0%		-19.7
2.5%		-81.3
0.5%		-81.3
0.0%	minimum	-81.3

Summary Statistics

Mean	-8.2
Std Dev	14.7
Std Err Mean	2.4
Upper 95% Mean	-3.4
Lower 95% Mean	-13.0
N	39.0

Distributions Analyte_Method=Cesium-134 Other

Bias

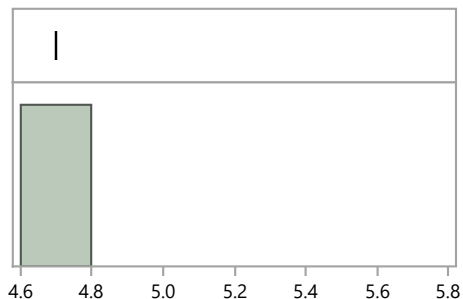


Quantiles

100.0%	maximum	-0.8
99.5%		-0.8
97.5%		-0.8
90.0%		-0.8
75.0%	quartile	-0.8
50.0%	median	-2.1
25.0%	quartile	-3.3
10.0%		-3.3
2.5%		-3.3
0.5%		-3.3
0.0%	minimum	-3.3

Summary Statistics

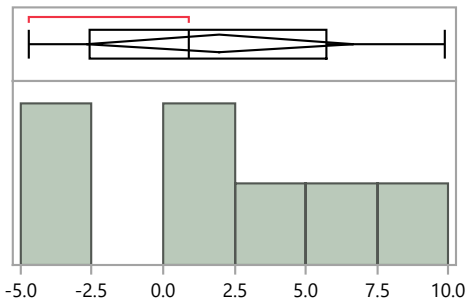
Mean	-2.1
Std Dev	1.8
Std Err Mean	1.3
Upper 95% Mean	13.8
Lower 95% Mean	-17.9
N	2.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Cesium-137 EPA 900, Radioactivity, Gross Alpha/Beta Screening, 600/4-80-032****Bias****Quantiles**

100.0%	maximum	4.7
99.5%		4.7
97.5%		4.7
90.0%		4.7
75.0%	quartile	4.7
50.0%	median	4.7
25.0%	quartile	4.7
10.0%		4.7
2.5%		4.7
0.5%		4.7
0.0%	minimum	4.7

Summary Statistics

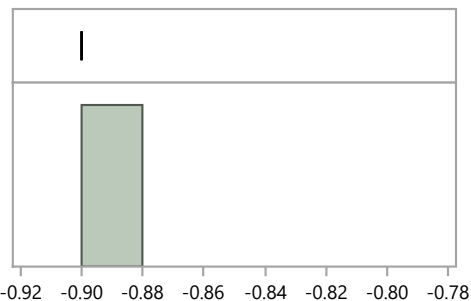
Mean	4.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Cesium-137 EPA 901.1, Gamma Emitting, 600/4-80-032**Bias****Quantiles**

100.0%	maximum	9.9
99.5%		9.9
97.5%		9.9
90.0%		9.9
75.0%	quartile	5.7
50.0%	median	0.9
25.0%	quartile	-2.6
10.0%		-4.7
2.5%		-4.7
0.5%		-4.7
0.0%	minimum	-4.7

Summary Statistics

Mean	2.0
Std Dev	5.1
Std Err Mean	1.9
Upper 95% Mean	6.7
Lower 95% Mean	-2.7
N	7.0

Distributions Analyte_Method=Cesium-137 EPA 906, Tritium, 600/4/80-032**Bias****Quantiles**

100.0%	maximum	-0.9
99.5%		-0.9
97.5%		-0.9
90.0%		-0.9
75.0%	quartile	-0.9
50.0%	median	-0.9
25.0%	quartile	-0.9
10.0%		-0.9
2.5%		-0.9
0.5%		-0.9
0.0%	minimum	-0.9

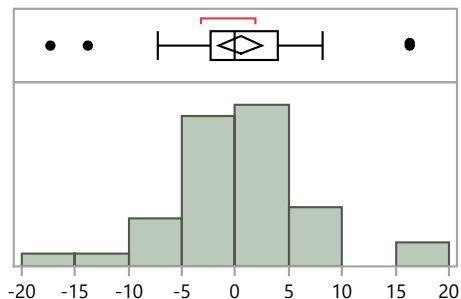
Summary Statistics

Mean	-0.9
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method

Distributions Analyte_Method=Cesium-137 No preparation - analyzed as received

Bias



Quantiles

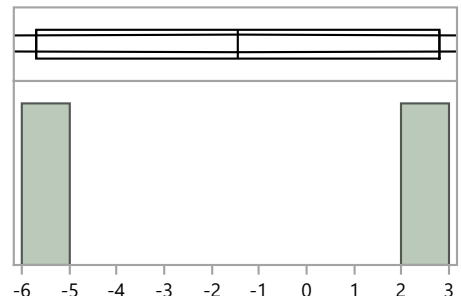
100.0%	maximum	16.3
99.5%		16.3
97.5%		16.3
90.0%		7.4
75.0%	quartile	4.0
50.0%	median	0.0
25.0%	quartile	-2.3
10.0%		-6.1
2.5%		-17.2
0.5%		-17.3
0.0%	minimum	-17.3

Summary Statistics

Mean	0.5
Std Dev	6.4
Std Err Mean	1.0
Upper 95% Mean	2.5
Lower 95% Mean	-1.6
N	40.0

Distributions Analyte_Method=Cesium-137 Other

Bias



Quantiles

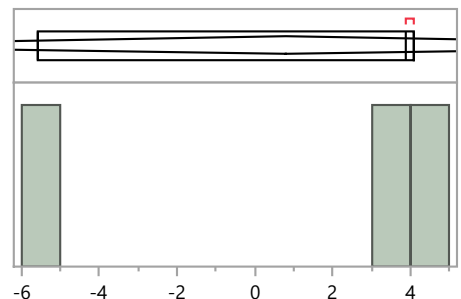
100.0%	maximum	2.8
99.5%		2.8
97.5%		2.8
90.0%		2.8
75.0%	quartile	2.8
50.0%	median	-1.5
25.0%	quartile	-5.7
10.0%		-5.7
2.5%		-5.7
0.5%		-5.7
0.0%	minimum	-5.7

Summary Statistics

Mean	-1.5
Std Dev	6.0
Std Err Mean	4.3
Upper 95% Mean	52.6
Lower 95% Mean	-55.5
N	2.0

Distributions Analyte_Method=Chromium-51 EPA 901.1, Gamma Emitting, 600/4-80-032

Bias



Quantiles

100.0%	maximum	4.1
99.5%		4.1
97.5%		4.1
90.0%		4.1
75.0%	quartile	4.1
50.0%	median	3.9
25.0%	quartile	-5.6
10.0%		-5.6
2.5%		-5.6
0.5%		-5.6
0.0%	minimum	-5.6

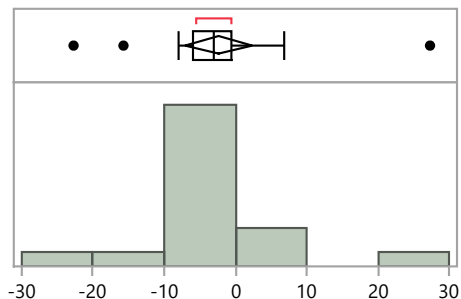
Summary Statistics

Mean	0.8
Std Dev	5.5
Std Err Mean	3.2
Upper 95% Mean	14.6
Lower 95% Mean	-13.0
N	3.0

MaW54 Distribution by Preparation Method

Distributions Analyte_Method=Chromium-51 No preparation - analyzed as received

Bias



Quantiles

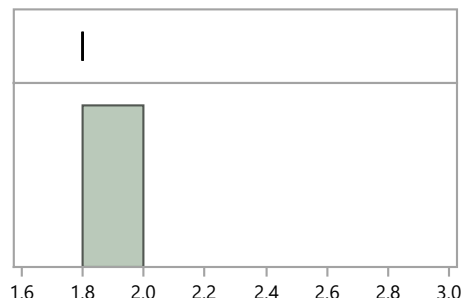
100.0%	maximum	27.3
99.5%		27.3
97.5%		27.3
90.0%		6.9
75.0%	quartile	-0.5
50.0%	median	-3.0
25.0%	quartile	-6.0
10.0%		-15.7
2.5%		-22.7
0.5%		-22.7
0.0%	minimum	-22.7

Summary Statistics

Mean	-2.3
Std Dev	9.8
Std Err Mean	2.3
Upper 95% Mean	2.4
Lower 95% Mean	-7.1
N	19.0

Distributions Analyte_Method=Chromium-51 Other

Bias



Quantiles

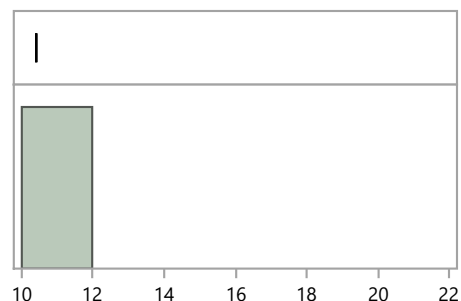
100.0%	maximum	1.8
99.5%		1.8
97.5%		1.8
90.0%		1.8
75.0%	quartile	1.8
50.0%	median	1.8
25.0%	quartile	1.8
10.0%		1.8
2.5%		1.8
0.5%		1.8
0.0%	minimum	1.8

Summary Statistics

Mean	1.8
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Cobalt-57 EPA 900, Radioactivity, Gross Alpha/Beta Screening, 600/4-80-032

Bias

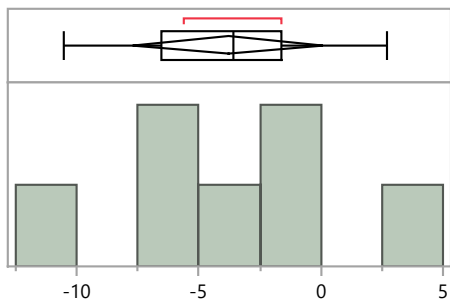


Quantiles

100.0%	maximum	10.4
99.5%		10.4
97.5%		10.4
90.0%		10.4
75.0%	quartile	10.4
50.0%	median	10.4
25.0%	quartile	10.4
10.0%		10.4
2.5%		10.4
0.5%		10.4
0.0%	minimum	10.4

Summary Statistics

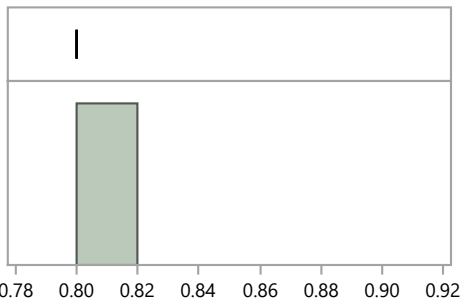
Mean	10.4
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method
Distributions Analyte_Method=Cobalt-57 EPA 901.1, Gamma Emitting, 600/4-80-032
Bias

Quantiles

100.0%	maximum	2.7
99.5%		2.7
97.5%		2.7
90.0%		2.7
75.0%	quartile	-1.6
50.0%	median	-3.6
25.0%	quartile	-6.5
10.0%		-10.5
2.5%		-10.5
0.5%		-10.5
0.0%	minimum	-10.5

Summary Statistics

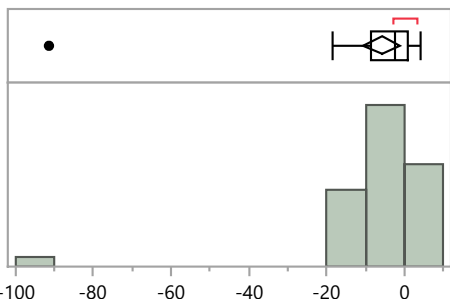
Mean	-3.8
Std Dev	4.2
Std Err Mean	1.6
Upper 95% Mean	0.1
Lower 95% Mean	-7.7
N	7.0

Distributions Analyte_Method=Cobalt-57 EPA 906, Tritium, 600/4/80-032
Bias

Quantiles

100.0%	maximum	0.8
99.5%		0.8
97.5%		0.8
90.0%		0.8
75.0%	quartile	0.8
50.0%	median	0.8
25.0%	quartile	0.8
10.0%		0.8
2.5%		0.8
0.5%		0.8
0.0%	minimum	0.8

Summary Statistics

Mean	0.8
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Cobalt-57 No preparation - analyzed as received
Bias

Quantiles

100.0%	maximum	4.0
99.5%		4.0
97.5%		4.0
90.0%		3.0
75.0%	quartile	0.7
50.0%	median	-2.3
25.0%	quartile	-8.8
10.0%		-13.4
2.5%		-87.8
0.5%		-91.4
0.0%	minimum	-91.4

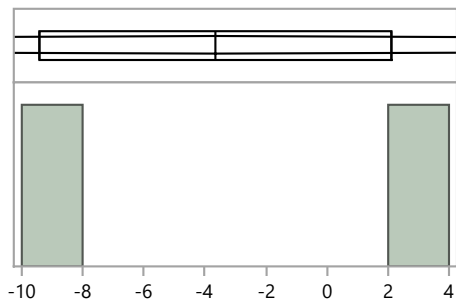
Summary Statistics

Mean	-5.9
Std Dev	14.8
Std Err Mean	2.3
Upper 95% Mean	-1.2
Lower 95% Mean	-10.5
N	41.0

MaW54 Distribution by Preparation Method

Distributions Analyte_Method=Cobalt-57 Other

Bias



Quantiles

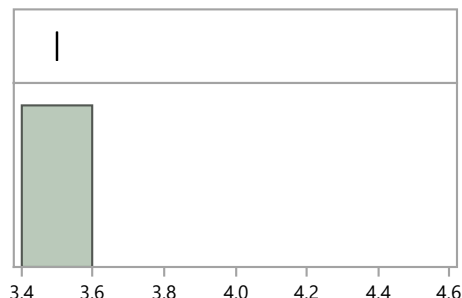
100.0%	maximum	2.1
99.5%		2.1
97.5%		2.1
90.0%		2.1
75.0%	quartile	2.1
50.0%	median	-3.7
25.0%	quartile	-9.4
10.0%		-9.4
2.5%		-9.4
0.5%		-9.4
0.0%	minimum	-9.4

Summary Statistics

Mean	-3.7
Std Dev	8.1
Std Err Mean	5.8
Upper 95% Mean	69.4
Lower 95% Mean	-76.7
N	2.0

Distributions Analyte_Method=Cobalt-60 EPA 900, Radioactivity, Gross Alpha/Beta Screening, 600/4-80-032

Bias



Quantiles

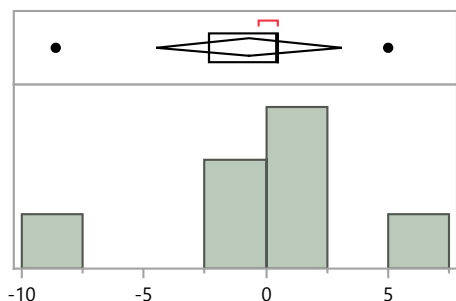
100.0%	maximum	3.5
99.5%		3.5
97.5%		3.5
90.0%		3.5
75.0%	quartile	3.5
50.0%	median	3.5
25.0%	quartile	3.5
10.0%		3.5
2.5%		3.5
0.5%		3.5
0.0%	minimum	3.5

Summary Statistics

Mean	3.5
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Cobalt-60 EPA 901.1, Gamma Emitting, 600/4-80-032

Bias

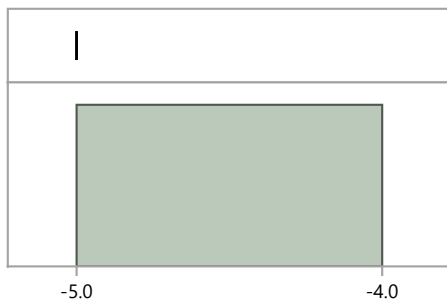


Quantiles

100.0%	maximum	5.0
99.5%		5.0
97.5%		5.0
90.0%		5.0
75.0%	quartile	0.5
50.0%	median	0.4
25.0%	quartile	-2.3
10.0%		-8.6
2.5%		-8.6
0.5%		-8.6
0.0%	minimum	-8.6

Summary Statistics

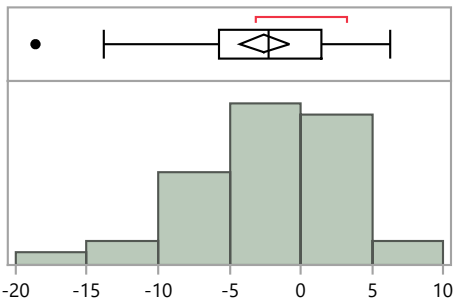
Mean	-0.7
Std Dev	4.1
Std Err Mean	1.6
Upper 95% Mean	3.1
Lower 95% Mean	-4.5
N	7.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Cobalt-60 EPA 906, Tritium, 600/4/80-032****Bias****Quantiles**

100.0%	maximum	-5.0
99.5%		-5.0
97.5%		-5.0
90.0%		-5.0
75.0%	quartile	-5.0
50.0%	median	-5.0
25.0%	quartile	-5.0
10.0%		-5.0
2.5%		-5.0
0.5%		-5.0
0.0%	minimum	-5.0

Summary Statistics

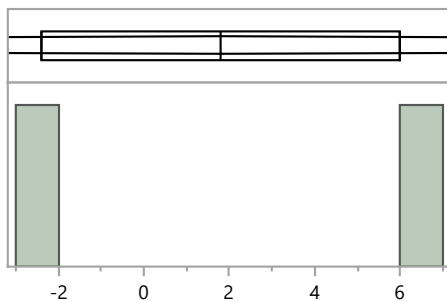
Mean	-5.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Cobalt-60 No preparation - analyzed as received**Bias****Quantiles**

100.0%	maximum	6.3
99.5%		6.3
97.5%		6.3
90.0%		4.4
75.0%	quartile	1.5
50.0%	median	-2.3
25.0%	quartile	-5.8
10.0%		-9.7
2.5%		-18.5
0.5%		-18.6
0.0%	minimum	-18.6

Summary Statistics

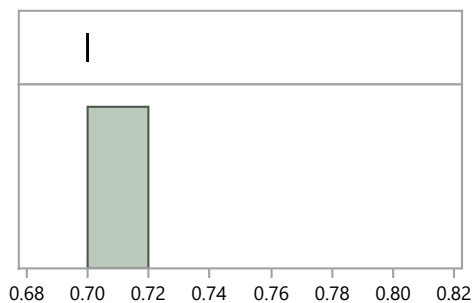
Mean	-2.5
Std Dev	5.5
Std Err Mean	0.9
Upper 95% Mean	-0.8
Lower 95% Mean	-4.3
N	40.0

Distributions Analyte_Method=Cobalt-60 Other**Bias****Quantiles**

100.0%	maximum	6.0
99.5%		6.0
97.5%		6.0
90.0%		6.0
75.0%	quartile	6.0
50.0%	median	1.8
25.0%	quartile	-2.4
10.0%		-2.4
2.5%		-2.4
0.5%		-2.4
0.0%	minimum	-2.4

Summary Statistics

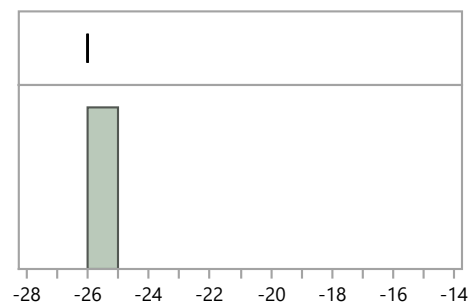
Mean	1.8
Std Dev	5.9
Std Err Mean	4.2
Upper 95% Mean	55.2
Lower 95% Mean	-51.6
N	2.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Iron-55 Acid dissolution with hydrofluoric acid****Bias****Quantiles**

100.0%	maximum	0.7
99.5%		0.7
97.5%		0.7
90.0%		0.7
75.0%	quartile	0.7
50.0%	median	0.7
25.0%	quartile	0.7
10.0%		0.7
2.5%		0.7
0.5%		0.7
0.0%	minimum	0.7

Summary Statistics

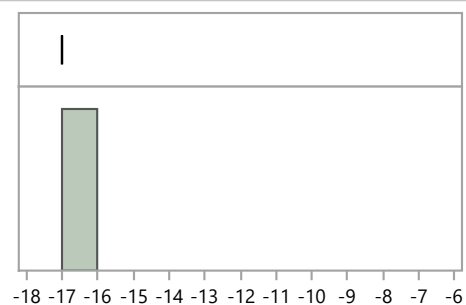
Mean	0.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Iron-55 Coprecipitation, acidified**Bias****Quantiles**

100.0%	maximum	-26.0
99.5%		-26.0
97.5%		-26.0
90.0%		-26.0
75.0%	quartile	-26.0
50.0%	median	-26.0
25.0%	quartile	-26.0
10.0%		-26.0
2.5%		-26.0
0.5%		-26.0
0.0%	minimum	-26.0

Summary Statistics

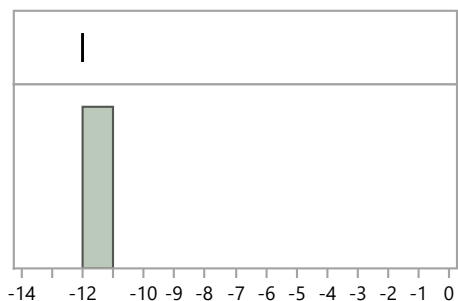
Mean	-26.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Iron-55 Coprecipitation, straight**Bias****Quantiles**

100.0%	maximum	-17.0
99.5%		-17.0
97.5%		-17.0
90.0%		-17.0
75.0%	quartile	-17.0
50.0%	median	-17.0
25.0%	quartile	-17.0
10.0%		-17.0
2.5%		-17.0
0.5%		-17.0
0.0%	minimum	-17.0

Summary Statistics

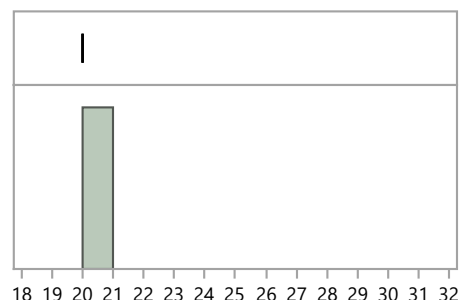
Mean	-17.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Iron-55 EPA 00-07 - Radiochemistry Procedures Manual****Bias****Quantiles**

100.0%	maximum	-12.0
99.5%		-12.0
97.5%		-12.0
90.0%		-12.0
75.0%	quartile	-12.0
50.0%	median	-12.0
25.0%	quartile	-12.0
10.0%		-12.0
2.5%		-12.0
0.5%		-12.0
0.0%	minimum	-12.0

Summary Statistics

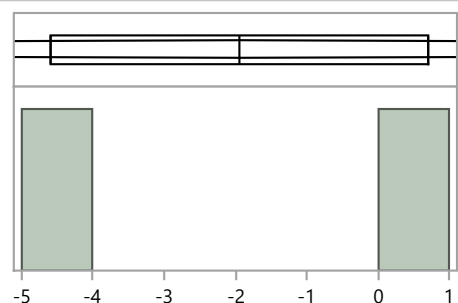
Mean	-12.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Iron-55 Evaporation, acidified**Bias****Quantiles**

100.0%	maximum	20.0
99.5%		20.0
97.5%		20.0
90.0%		20.0
75.0%	quartile	20.0
50.0%	median	20.0
25.0%	quartile	20.0
10.0%		20.0
2.5%		20.0
0.5%		20.0
0.0%	minimum	20.0

Summary Statistics

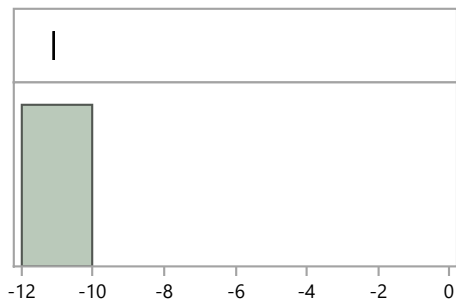
Mean	20.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Iron-55 Ion Exchange Chromatography / Ion Chromatography**Bias****Quantiles**

100.0%	maximum	0.7
99.5%		0.7
97.5%		0.7
90.0%		0.7
75.0%	quartile	0.7
50.0%	median	-2.0
25.0%	quartile	-4.6
10.0%		-4.6
2.5%		-4.6
0.5%		-4.6
0.0%	minimum	-4.6

Summary Statistics

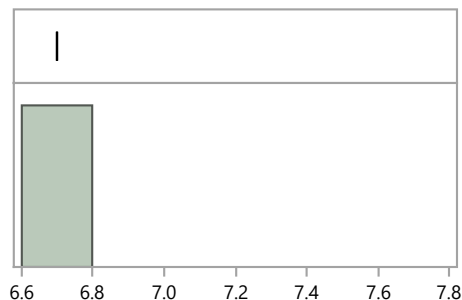
Mean	-2.0
Std Dev	3.7
Std Err Mean	2.6
Upper 95% Mean	31.7
Lower 95% Mean	-35.6
N	2.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Iron-55 No preparation - analyzed as received****Bias****Quantiles**

100.0%	maximum	-11.1
99.5%		-11.1
97.5%		-11.1
90.0%		-11.1
75.0%	quartile	-11.1
50.0%	median	-11.1
25.0%	quartile	-11.1
10.0%		-11.1
2.5%		-11.1
0.5%		-11.1
0.0%	minimum	-11.1

Summary Statistics

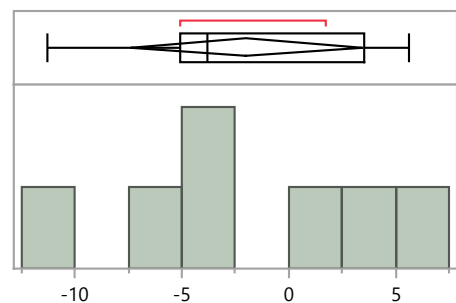
Mean	-11.1
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Manganese-54 EPA 900, Radioactivity, Gross Alpha/Beta Screening, 600/4-80-032**Bias****Quantiles**

100.0%	maximum	6.7
99.5%		6.7
97.5%		6.7
90.0%		6.7
75.0%	quartile	6.7
50.0%	median	6.7
25.0%	quartile	6.7
10.0%		6.7
2.5%		6.7
0.5%		6.7
0.0%	minimum	6.7

Summary Statistics

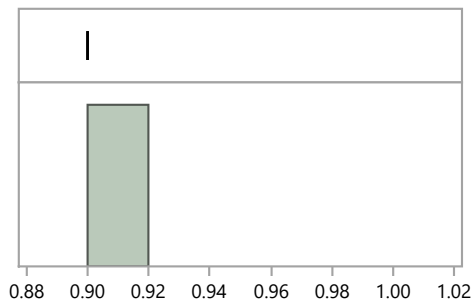
Mean	6.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Manganese-54 EPA 901.1, Gamma Emitting, 600/4-80-032**Bias****Quantiles**

100.0%	maximum	5.6
99.5%		5.6
97.5%		5.6
90.0%		5.6
75.0%	quartile	3.5
50.0%	median	-3.8
25.0%	quartile	-5.1
10.0%		-11.3
2.5%		-11.3
0.5%		-11.3
0.0%	minimum	-11.3

Summary Statistics

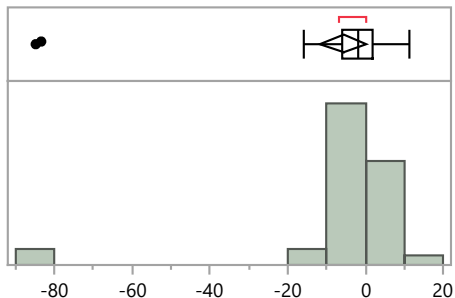
Mean	-2.0
Std Dev	5.9
Std Err Mean	2.2
Upper 95% Mean	3.5
Lower 95% Mean	-7.4
N	7.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Manganese-54 EPA 906, Tritium, 600/4/80-032****Bias****Quantiles**

100.0%	maximum	0.9
99.5%		0.9
97.5%		0.9
90.0%		0.9
75.0%	quartile	0.9
50.0%	median	0.9
25.0%	quartile	0.9
10.0%		0.9
2.5%		0.9
0.5%		0.9
0.0%	minimum	0.9

Summary Statistics

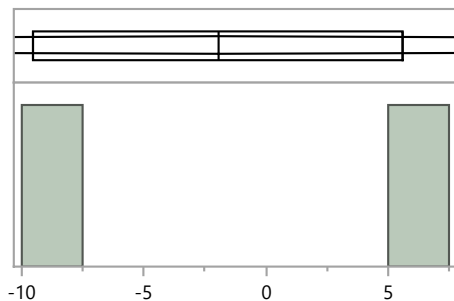
Mean	0.9
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Manganese-54 No preparation - analyzed as received**Bias****Quantiles**

100.0%	maximum	11.4
99.5%		11.4
97.5%		11.2
90.0%		4.7
75.0%	quartile	1.9
50.0%	median	-2.0
25.0%	quartile	-6.0
10.0%		-12.0
2.5%		-84.7
0.5%		-84.8
0.0%	minimum	-84.8

Summary Statistics

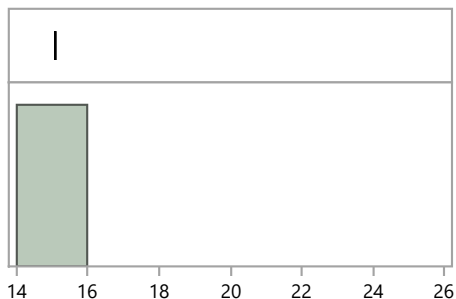
Mean	-5.7
Std Dev	18.8
Std Err Mean	2.9
Upper 95% Mean	0.2
Lower 95% Mean	-11.6
N	41.0

Distributions Analyte_Method=Manganese-54 Other**Bias****Quantiles**

100.0%	maximum	5.6
99.5%		5.6
97.5%		5.6
90.0%		5.6
75.0%	quartile	5.6
50.0%	median	-2.0
25.0%	quartile	-9.5
10.0%		-9.5
2.5%		-9.5
0.5%		-9.5
0.0%	minimum	-9.5

Summary Statistics

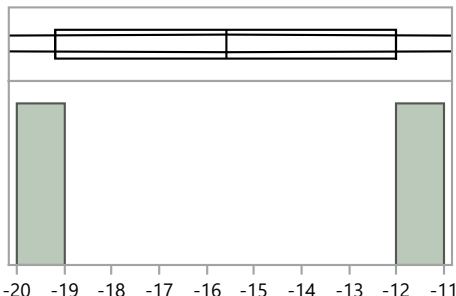
Mean	-2.0
Std Dev	10.7
Std Err Mean	7.6
Upper 95% Mean	94.0
Lower 95% Mean	-97.9
N	2.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Nickel-63 Acid dissolution with hydrofluoric acid****Bias****Quantiles**

100.0%	maximum	15.1
99.5%		15.1
97.5%		15.1
90.0%		15.1
75.0%	quartile	15.1
50.0%	median	15.1
25.0%	quartile	15.1
10.0%		15.1
2.5%		15.1
0.5%		15.1
0.0%	minimum	15.1

Summary Statistics

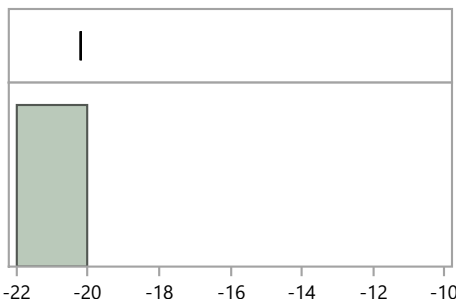
Mean	15.1
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Nickel-63 Coprecipitation, acidified**Bias****Quantiles**

100.0%	maximum	-12.0
99.5%		-12.0
97.5%		-12.0
90.0%		-12.0
75.0%	quartile	-12.0
50.0%	median	-15.6
25.0%	quartile	-19.2
10.0%		-19.2
2.5%		-19.2
0.5%		-19.2
0.0%	minimum	-19.2

Summary Statistics

Mean	-15.6
Std Dev	5.1
Std Err Mean	3.6
Upper 95% Mean	30.1
Lower 95% Mean	-61.3
N	2.0

Distributions Analyte_Method=Nickel-63 Coprecipitation, straight**Bias****Quantiles**

100.0%	maximum	-20.2
99.5%		-20.2
97.5%		-20.2
90.0%		-20.2
75.0%	quartile	-20.2
50.0%	median	-20.2
25.0%	quartile	-20.2
10.0%		-20.2
2.5%		-20.2
0.5%		-20.2
0.0%	minimum	-20.2

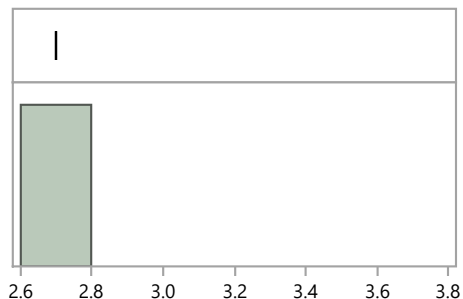
Summary Statistics

Mean	-20.2
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method

Distributions Analyte_Method=Nickel-63 Evaporation, acidified

Bias



Quantiles

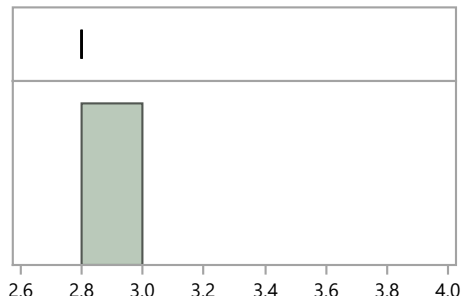
100.0%	maximum	2.7
99.5%		2.7
97.5%		2.7
90.0%		2.7
75.0%	quartile	2.7
50.0%	median	2.7
25.0%	quartile	2.7
10.0%		2.7
2.5%		2.7
0.5%		2.7
0.0%	minimum	2.7

Summary Statistics

Mean	2.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Nickel-63 Evaporation, straight

Bias



Quantiles

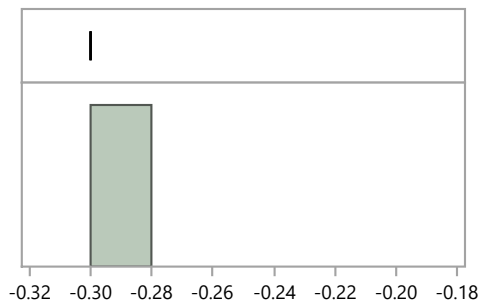
100.0%	maximum	2.8
99.5%		2.8
97.5%		2.8
90.0%		2.8
75.0%	quartile	2.8
50.0%	median	2.8
25.0%	quartile	2.8
10.0%		2.8
2.5%		2.8
0.5%		2.8
0.0%	minimum	2.8

Summary Statistics

Mean	2.8
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Nickel-63 Ion Exchange Chromatography / Ion Chromatography

Bias

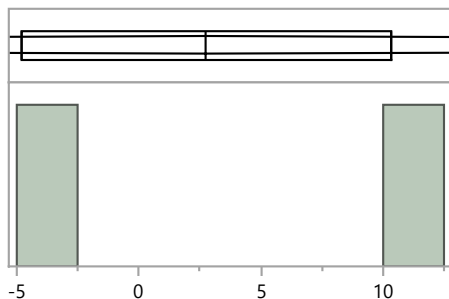


Quantiles

100.0%	maximum	-0.3
99.5%		-0.3
97.5%		-0.3
90.0%		-0.3
75.0%	quartile	-0.3
50.0%	median	-0.3
25.0%	quartile	-0.3
10.0%		-0.3
2.5%		-0.3
0.5%		-0.3
0.0%	minimum	-0.3

Summary Statistics

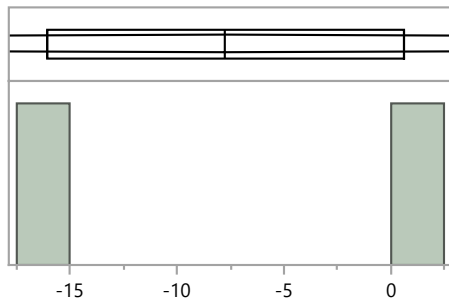
Mean	-0.3
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Nickel-63 Other****Bias****Quantiles**

100.0%	maximum	10.3
99.5%		10.3
97.5%		10.3
90.0%		10.3
75.0%	quartile	10.3
50.0%	median	2.8
25.0%	quartile	-4.8
10.0%		-4.8
2.5%		-4.8
0.5%		-4.8
0.0%	minimum	-4.8

Summary Statistics

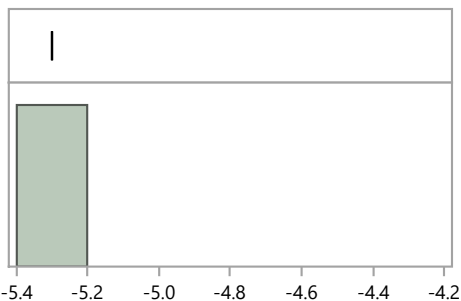
Mean	2.8
Std Dev	10.7
Std Err Mean	7.6
Upper 95% Mean	98.7
Lower 95% Mean	-93.2
N	2.0

Distributions Analyte_Method=Plutonium-238 Acid dissolution with hydrofluoric acid**Bias****Quantiles**

100.0%	maximum	0.6
99.5%		0.6
97.5%		0.6
90.0%		0.6
75.0%	quartile	0.6
50.0%	median	-7.8
25.0%	quartile	-16.1
10.0%		-16.1
2.5%		-16.1
0.5%		-16.1
0.0%	minimum	-16.1

Summary Statistics

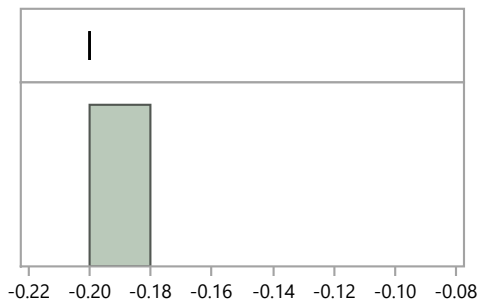
Mean	-7.8
Std Dev	11.8
Std Err Mean	8.4
Upper 95% Mean	98.3
Lower 95% Mean	-113.8
N	2.0

Distributions Analyte_Method=Plutonium-238 Acid leaching without hydrofluoric acid**Bias****Quantiles**

100.0%	maximum	-5.3
99.5%		-5.3
97.5%		-5.3
90.0%		-5.3
75.0%	quartile	-5.3
50.0%	median	-5.3
25.0%	quartile	-5.3
10.0%		-5.3
2.5%		-5.3
0.5%		-5.3
0.0%	minimum	-5.3

Summary Statistics

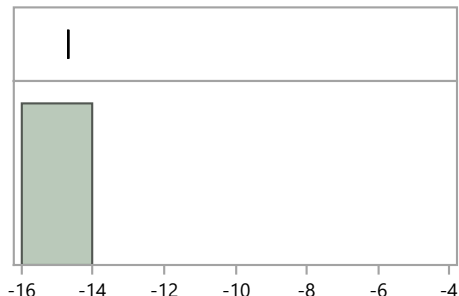
Mean	-5.3
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Plutonium-238 Coprecipitation, straight****Bias****Quantiles**

100.0%	maximum	-0.2
99.5%		-0.2
97.5%		-0.2
90.0%		-0.2
75.0%	quartile	-0.2
50.0%	median	-0.2
25.0%	quartile	-0.2
10.0%		-0.2
2.5%		-0.2
0.5%		-0.2
0.0%	minimum	-0.2

Summary Statistics

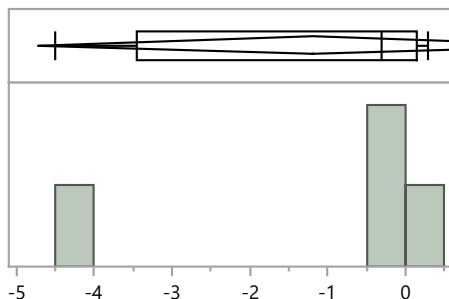
Mean	-0.2
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Plutonium-238 EPA 907, Actinide Elements, 600/4/80-032**Bias****Quantiles**

100.0%	maximum	-14.7
99.5%		-14.7
97.5%		-14.7
90.0%		-14.7
75.0%	quartile	-14.7
50.0%	median	-14.7
25.0%	quartile	-14.7
10.0%		-14.7
2.5%		-14.7
0.5%		-14.7
0.0%	minimum	-14.7

Summary Statistics

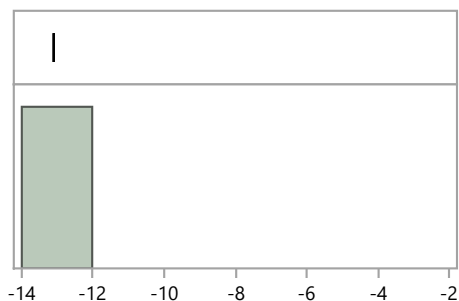
Mean	-14.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Plutonium-238 Evaporation, acidified**Bias****Quantiles**

100.0%	maximum	0.3
99.5%		0.3
97.5%		0.3
90.0%		0.3
75.0%	quartile	0.1
50.0%	median	-0.3
25.0%	quartile	-3.5
10.0%		-4.5
2.5%		-4.5
0.5%		-4.5
0.0%	minimum	-4.5

Summary Statistics

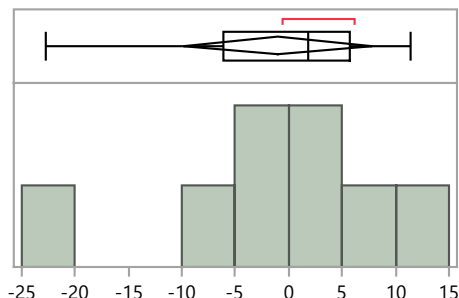
Mean	-1.2
Std Dev	2.2
Std Err Mean	1.1
Upper 95% Mean	2.3
Lower 95% Mean	-4.7
N	4.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Plutonium-238 Evaporation, straight****Bias****Quantiles**

100.0%	maximum	-13.1
99.5%		-13.1
97.5%		-13.1
90.0%		-13.1
75.0%	quartile	-13.1
50.0%	median	-13.1
25.0%	quartile	-13.1
10.0%		-13.1
2.5%		-13.1
0.5%		-13.1
0.0%	minimum	-13.1

Summary Statistics

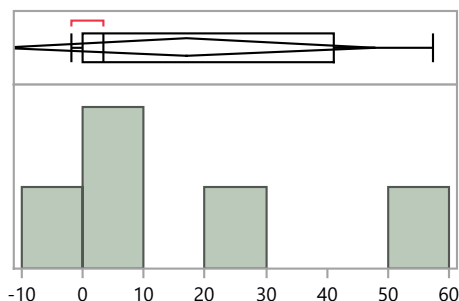
Mean	-13.1
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Plutonium-238 Ion Exchange Chromatography / Ion Chromatography**Bias****Quantiles**

100.0%	maximum	11.4
99.5%		11.4
97.5%		11.4
90.0%		11.4
75.0%	quartile	5.7
50.0%	median	1.8
25.0%	quartile	-6.2
10.0%		-22.8
2.5%		-22.8
0.5%		-22.8
0.0%	minimum	-22.8

Summary Statistics

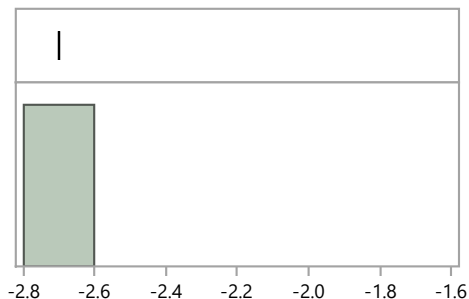
Mean	-1.0
Std Dev	10.5
Std Err Mean	3.7
Upper 95% Mean	7.8
Lower 95% Mean	-9.8
N	8.0

Distributions Analyte_Method=Plutonium-238 Other**Bias****Quantiles**

100.0%	maximum	57.4
99.5%		57.4
97.5%		57.4
90.0%		57.4
75.0%	quartile	41.0
50.0%	median	3.3
25.0%	quartile	0.0
10.0%		-1.8
2.5%		-1.8
0.5%		-1.8
0.0%	minimum	-1.8

Summary Statistics

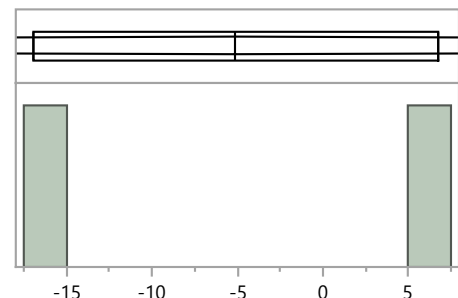
Mean	17.1
Std Dev	24.8
Std Err Mean	11.1
Upper 95% Mean	47.9
Lower 95% Mean	-13.7
N	5.0

MaW54 Distribution by Preparation Method
Distributions Analyte_Method=Plutonium-238 Total dissolution by fusion
Bias

Quantiles

100.0%	maximum	-2.7
99.5%		-2.7
97.5%		-2.7
90.0%		-2.7
75.0%	quartile	-2.7
50.0%	median	-2.7
25.0%	quartile	-2.7
10.0%		-2.7
2.5%		-2.7
0.5%		-2.7
0.0%	minimum	-2.7

Summary Statistics

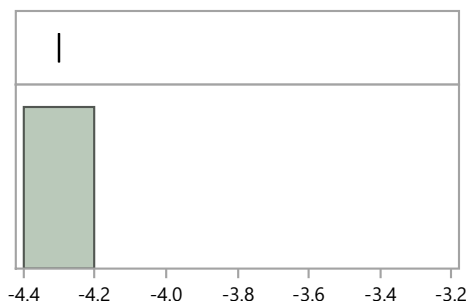
Mean	-2.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Plutonium-239/240 Acid dissolution with hydrofluoric acid
Bias

Quantiles

100.0%	maximum	6.7
99.5%		6.7
97.5%		6.7
90.0%		6.7
75.0%	quartile	6.7
50.0%	median	-5.1
25.0%	quartile	-16.9
10.0%		-16.9
2.5%		-16.9
0.5%		-16.9
0.0%	minimum	-16.9

Summary Statistics

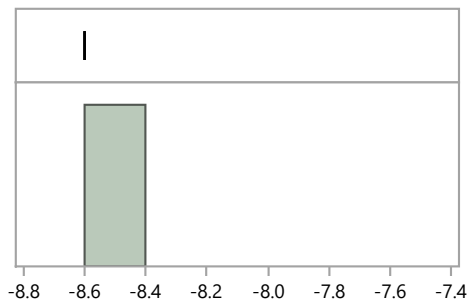
Mean	-5.1
Std Dev	16.7
Std Err Mean	11.8
Upper 95% Mean	144.8
Lower 95% Mean	-155.0
N	2.0

Distributions Analyte_Method=Plutonium-239/240 Acid leaching without hydrofluoric acid
Bias

Quantiles

100.0%	maximum	-4.3
99.5%		-4.3
97.5%		-4.3
90.0%		-4.3
75.0%	quartile	-4.3
50.0%	median	-4.3
25.0%	quartile	-4.3
10.0%		-4.3
2.5%		-4.3
0.5%		-4.3
0.0%	minimum	-4.3

Summary Statistics

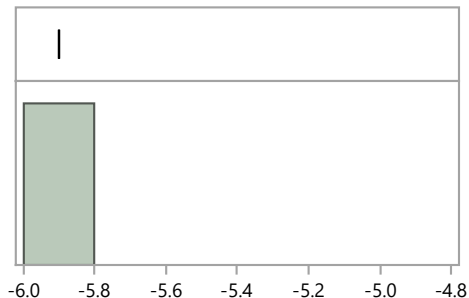
Mean	-4.3
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Plutonium-239/240 Coprecipitation, straight****Bias****Quantiles**

100.0%	maximum	-8.6
99.5%		-8.6
97.5%		-8.6
90.0%		-8.6
75.0%	quartile	-8.6
50.0%	median	-8.6
25.0%	quartile	-8.6
10.0%		-8.6
2.5%		-8.6
0.5%		-8.6
0.0%	minimum	-8.6

Summary Statistics

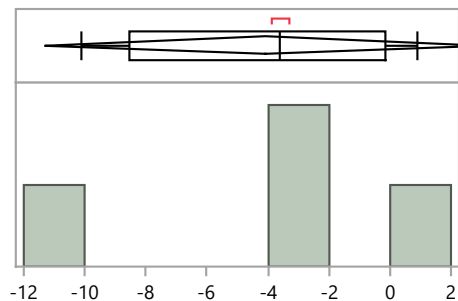
Mean	-8.6
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Plutonium-239/240 EPA 907, Actinide Elements, 600/4/80-032**Bias****Quantiles**

100.0%	maximum	-5.9
99.5%		-5.9
97.5%		-5.9
90.0%		-5.9
75.0%	quartile	-5.9
50.0%	median	-5.9
25.0%	quartile	-5.9
10.0%		-5.9
2.5%		-5.9
0.5%		-5.9
0.0%	minimum	-5.9

Summary Statistics

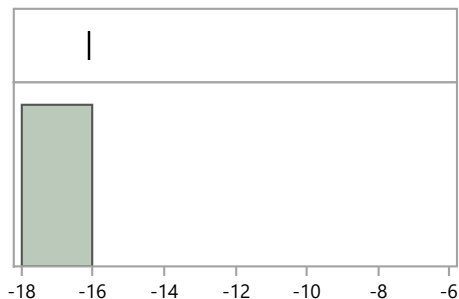
Mean	-5.9
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Plutonium-239/240 Evaporation, acidified**Bias****Quantiles**

100.0%	maximum	0.9
99.5%		0.9
97.5%		0.9
90.0%		0.9
75.0%	quartile	-0.1
50.0%	median	-3.6
25.0%	quartile	-8.6
10.0%		-10.1
2.5%		-10.1
0.5%		-10.1
0.0%	minimum	-10.1

Summary Statistics

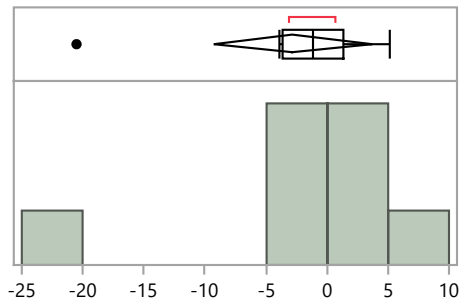
Mean	-4.1
Std Dev	4.5
Std Err Mean	2.3
Upper 95% Mean	3.1
Lower 95% Mean	-11.3
N	4.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Plutonium-239/240 Evaporation, straight****Bias****Quantiles**

100.0%	maximum	-16.1
99.5%		-16.1
97.5%		-16.1
90.0%		-16.1
75.0%	quartile	-16.1
50.0%	median	-16.1
25.0%	quartile	-16.1
10.0%		-16.1
2.5%		-16.1
0.5%		-16.1
0.0%	minimum	-16.1

Summary Statistics

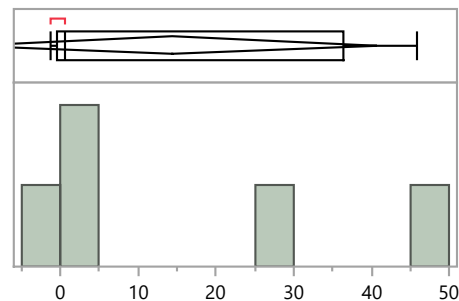
Mean	-16.1
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Plutonium-239/240 Ion Exchange Chromatography / Ion Chromatography**Bias****Quantiles**

100.0%	maximum	5.1
99.5%		5.1
97.5%		5.1
90.0%		5.1
75.0%	quartile	1.4
50.0%	median	-1.2
25.0%	quartile	-3.7
10.0%		-20.5
2.5%		-20.5
0.5%		-20.5
0.0%	minimum	-20.5

Summary Statistics

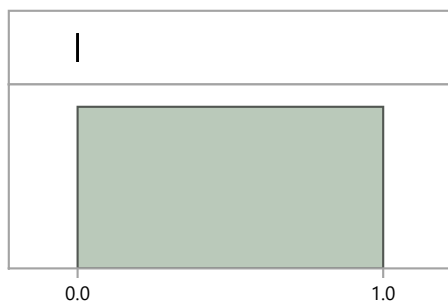
Mean	-2.8
Std Dev	7.7
Std Err Mean	2.7
Upper 95% Mean	3.6
Lower 95% Mean	-9.3
N	8.0

Distributions Analyte_Method=Plutonium-239/240 Other**Bias****Quantiles**

100.0%	maximum	45.9
99.5%		45.9
97.5%		45.9
90.0%		45.9
75.0%	quartile	36.4
50.0%	median	0.5
25.0%	quartile	-0.5
10.0%		-1.3
2.5%		-1.3
0.5%		-1.3
0.0%	minimum	-1.3

Summary Statistics

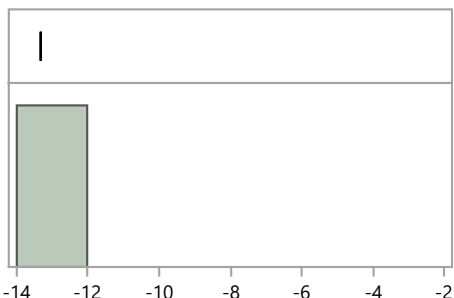
Mean	14.4
Std Dev	21.1
Std Err Mean	9.4
Upper 95% Mean	40.7
Lower 95% Mean	-11.8
N	5.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Plutonium-239/240 Total dissolution by fusion****Bias****Quantiles**

100.0%	maximum	0.0
99.5%		0.0
97.5%		0.0
90.0%		0.0
75.0%	quartile	0.0
50.0%	median	0.0
25.0%	quartile	0.0
10.0%		0.0
2.5%		0.0
0.5%		0.0
0.0%	minimum	0.0

Summary Statistics

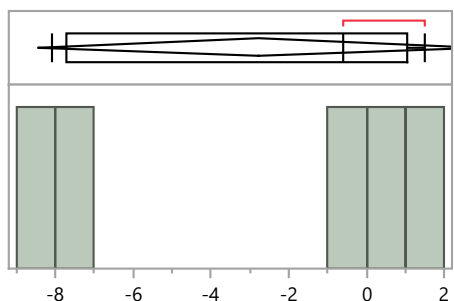
Mean	0.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Radium-226 Acid leaching without hydrofluoric acid**Bias****Quantiles**

100.0%	maximum	-13.3
99.5%		-13.3
97.5%		-13.3
90.0%		-13.3
75.0%	quartile	-13.3
50.0%	median	-13.3
25.0%	quartile	-13.3
10.0%		-13.3
2.5%		-13.3
0.5%		-13.3
0.0%	minimum	-13.3

Summary Statistics

Mean	-13.3
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Radium-226 Coprecipitation, acidified**Bias****Quantiles**

100.0%	maximum	1.5
99.5%		1.5
97.5%		1.5
90.0%		1.5
75.0%	quartile	1.1
50.0%	median	-0.6
25.0%	quartile	-7.7
10.0%		-8.1
2.5%		-8.1
0.5%		-8.1
0.0%	minimum	-8.1

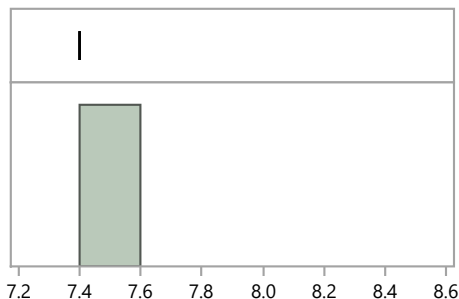
Summary Statistics

Mean	-2.8
Std Dev	4.6
Std Err Mean	2.0
Upper 95% Mean	2.9
Lower 95% Mean	-8.4
N	5.0

MaW54 Distribution by Preparation Method

Distributions Analyte_Method=Radium-226 Distillation

Bias



Quantiles

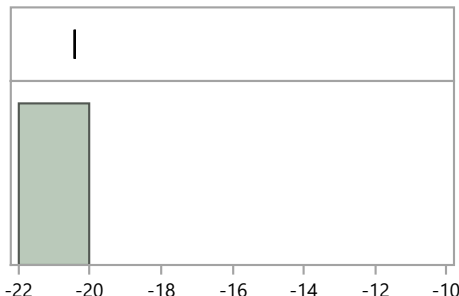
100.0%	maximum	7.4
99.5%		7.4
97.5%		7.4
90.0%		7.4
75.0%	quartile	7.4
50.0%	median	7.4
25.0%	quartile	7.4
10.0%		7.4
2.5%		7.4
0.5%		7.4
0.0%	minimum	7.4

Summary Statistics

Mean	7.4
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Radium-226 Evaporation, acidified

Bias



Quantiles

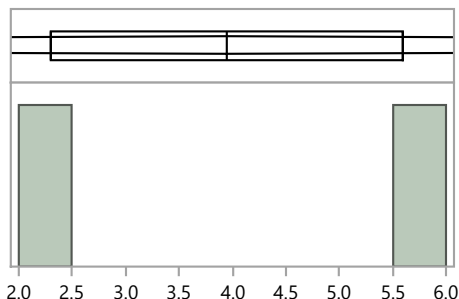
100.0%	maximum	-20.4
99.5%		-20.4
97.5%		-20.4
90.0%		-20.4
75.0%	quartile	-20.4
50.0%	median	-20.4
25.0%	quartile	-20.4
10.0%		-20.4
2.5%		-20.4
0.5%		-20.4
0.0%	minimum	-20.4

Summary Statistics

Mean	-20.4
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Radium-226 Ion Exchange Chromatography / Ion Chromatography

Bias

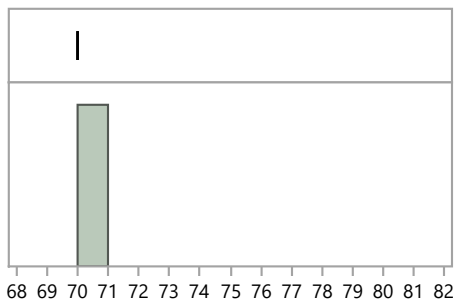


Quantiles

100.0%	maximum	5.6
99.5%		5.6
97.5%		5.6
90.0%		5.6
75.0%	quartile	5.6
50.0%	median	4.0
25.0%	quartile	2.3
10.0%		2.3
2.5%		2.3
0.5%		2.3
0.0%	minimum	2.3

Summary Statistics

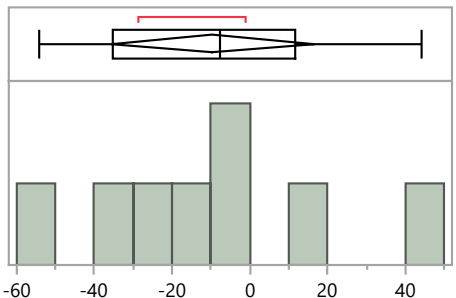
Mean	4.0
Std Dev	2.3
Std Err Mean	1.7
Upper 95% Mean	24.9
Lower 95% Mean	-17.0
N	2.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Radium-226 No preparation - analyzed as received****Bias****Quantiles**

100.0%	maximum	70.0
99.5%		70.0
97.5%		70.0
90.0%		70.0
75.0%	quartile	70.0
50.0%	median	70.0
25.0%	quartile	70.0
10.0%		70.0
2.5%		70.0
0.5%		70.0
0.0%	minimum	70.0

Summary Statistics

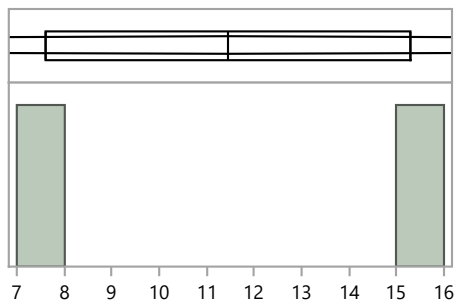
Mean	70.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Radium-226 Other**Bias****Quantiles**

100.0%	maximum	44.1
99.5%		44.1
97.5%		44.1
90.0%		44.1
75.0%	quartile	11.5
50.0%	median	-7.8
25.0%	quartile	-35.4
10.0%		-54.0
2.5%		-54.0
0.5%		-54.0
0.0%	minimum	-54.0

Summary Statistics

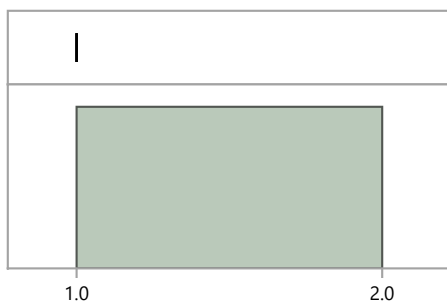
Mean	-9.7
Std Dev	31.2
Std Err Mean	11.0
Upper 95% Mean	16.4
Lower 95% Mean	-35.7
N	8.0

Distributions Analyte_Method=Radium-226 Total dissolution by fusion**Bias****Quantiles**

100.0%	maximum	15.3
99.5%		15.3
97.5%		15.3
90.0%		15.3
75.0%	quartile	15.3
50.0%	median	11.5
25.0%	quartile	7.6
10.0%		7.6
2.5%		7.6
0.5%		7.6
0.0%	minimum	7.6

Summary Statistics

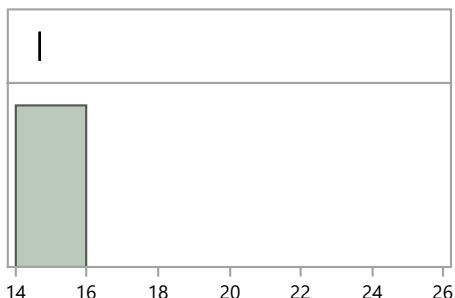
Mean	11.5
Std Dev	5.4
Std Err Mean	3.9
Upper 95% Mean	60.4
Lower 95% Mean	-37.5
N	2.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Technetium-99 Acid leaching without hydrofluoric acid****Bias****Quantiles**

100.0%	maximum	1.0
99.5%		1.0
97.5%		1.0
90.0%		1.0
75.0%	quartile	1.0
50.0%	median	1.0
25.0%	quartile	1.0
10.0%		1.0
2.5%		1.0
0.5%		1.0
0.0%	minimum	1.0

Summary Statistics

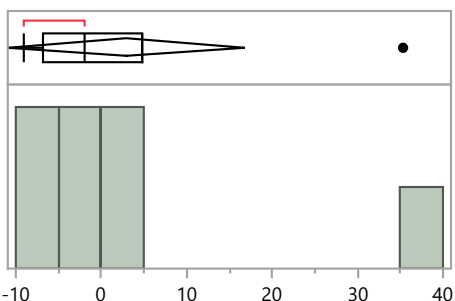
Mean	1.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Technetium-99 Evaporation, acidified**Bias****Quantiles**

100.0%	maximum	14.7
99.5%		14.7
97.5%		14.7
90.0%		14.7
75.0%	quartile	14.7
50.0%	median	14.7
25.0%	quartile	14.7
10.0%		14.7
2.5%		14.7
0.5%		14.7
0.0%	minimum	14.7

Summary Statistics

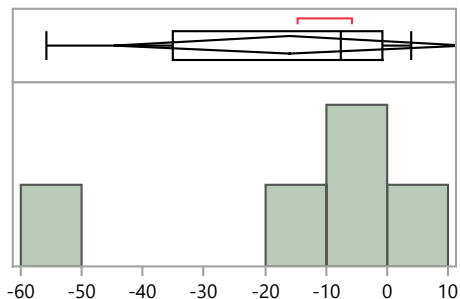
Mean	14.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Technetium-99 Ion Exchange Chromatography / Ion Chromatography**Bias****Quantiles**

100.0%	maximum	35.3
99.5%		35.3
97.5%		35.3
90.0%		35.3
75.0%	quartile	4.9
50.0%	median	-2.0
25.0%	quartile	-6.7
10.0%		-9.0
2.5%		-9.0
0.5%		-9.0
0.0%	minimum	-9.0

Summary Statistics

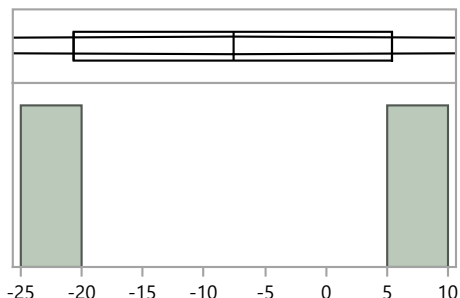
Mean	3.0
Std Dev	15.0
Std Err Mean	5.7
Upper 95% Mean	16.8
Lower 95% Mean	-10.9
N	7.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Technetium-99 Other****Bias****Quantiles**

100.0%	maximum	3.9
99.5%		3.9
97.5%		3.9
90.0%		3.9
75.0%	quartile	-0.9
50.0%	median	-7.5
25.0%	quartile	-35.2
10.0%		-55.7
2.5%		-55.7
0.5%		-55.7
0.0%	minimum	-55.7

Summary Statistics

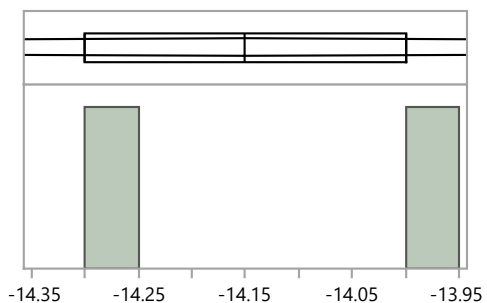
Mean	-15.9
Std Dev	23.2
Std Err Mean	10.4
Upper 95% Mean	12.9
Lower 95% Mean	-44.7
N	5.0

Distributions Analyte_Method=Uranium-234 Acid dissolution with hydrofluoric acid**Bias****Quantiles**

100.0%	maximum	5.4
99.5%		5.4
97.5%		5.4
90.0%		5.4
75.0%	quartile	5.4
50.0%	median	-7.6
25.0%	quartile	-20.6
10.0%		-20.6
2.5%		-20.6
0.5%		-20.6
0.0%	minimum	-20.6

Summary Statistics

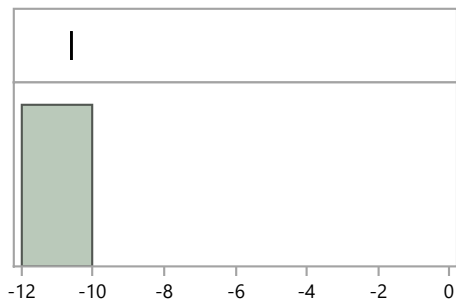
Mean	-7.6
Std Dev	18.4
Std Err Mean	13.0
Upper 95% Mean	157.6
Lower 95% Mean	-172.8
N	2.0

Distributions Analyte_Method=Uranium-234 Coprecipitation, acidified**Bias****Quantiles**

100.0%	maximum	-14.0
99.5%		-14.0
97.5%		-14.0
90.0%		-14.0
75.0%	quartile	-14.0
50.0%	median	-14.2
25.0%	quartile	-14.3
10.0%		-14.3
2.5%		-14.3
0.5%		-14.3
0.0%	minimum	-14.3

Summary Statistics

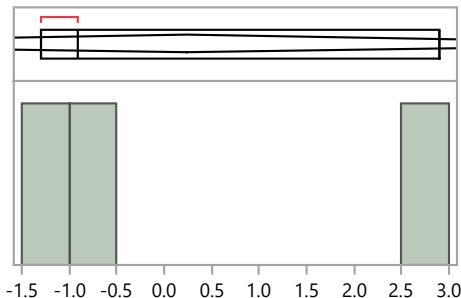
Mean	-14.2
Std Dev	0.2
Std Err Mean	0.2
Upper 95% Mean	-12.2
Lower 95% Mean	-16.1
N	2.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Uranium-234 Coprecipitation, straight****Bias****Quantiles**

100.0%	maximum	-10.6
99.5%		-10.6
97.5%		-10.6
90.0%		-10.6
75.0%	quartile	-10.6
50.0%	median	-10.6
25.0%	quartile	-10.6
10.0%		-10.6
2.5%		-10.6
0.5%		-10.6
0.0%	minimum	-10.6

Summary Statistics

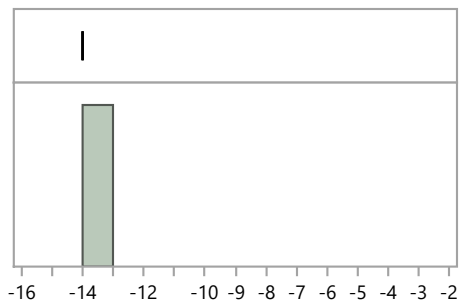
Mean	-10.6
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Uranium-234 Evaporation, acidified**Bias****Quantiles**

100.0%	maximum	2.9
99.5%		2.9
97.5%		2.9
90.0%		2.9
75.0%	quartile	2.9
50.0%	median	-0.9
25.0%	quartile	-1.3
10.0%		-1.3
2.5%		-1.3
0.5%		-1.3
0.0%	minimum	-1.3

Summary Statistics

Mean	0.2
Std Dev	2.3
Std Err Mean	1.3
Upper 95% Mean	6.0
Lower 95% Mean	-5.5
N	3.0

Distributions Analyte_Method=Uranium-234 Evaporation, straight**Bias****Quantiles**

100.0%	maximum	-14.0
99.5%		-14.0
97.5%		-14.0
90.0%		-14.0
75.0%	quartile	-14.0
50.0%	median	-14.0
25.0%	quartile	-14.0
10.0%		-14.0
2.5%		-14.0
0.5%		-14.0
0.0%	minimum	-14.0

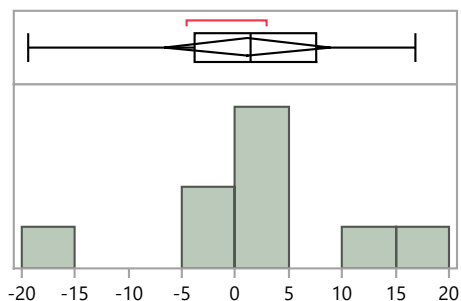
Summary Statistics

Mean	-14.0
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method

Distributions Analyte_Method=Uranium-234 Ion Exchange Chromatography / Ion Chromatography

Bias



Quantiles

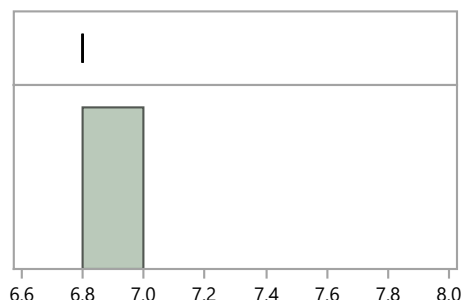
100.0%	maximum	16.8
99.5%		16.8
97.5%		16.8
90.0%		16.8
75.0%	quartile	7.6
50.0%	median	1.4
25.0%	quartile	-3.8
10.0%		-19.4
2.5%		-19.4
0.5%		-19.4
0.0%	minimum	-19.4

Summary Statistics

Mean	1.1
Std Dev	10.1
Std Err Mean	3.4
Upper 95% Mean	8.9
Lower 95% Mean	-6.7
N	9.0

Distributions Analyte_Method=Uranium-234 No preparation - analyzed as received

Bias



Quantiles

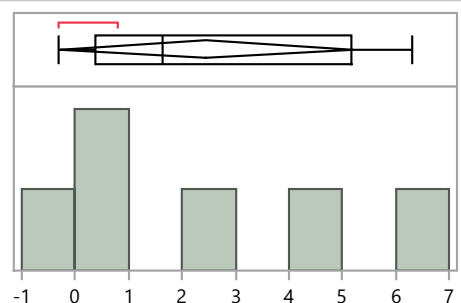
100.0%	maximum	6.8
99.5%		6.8
97.5%		6.8
90.0%		6.8
75.0%	quartile	6.8
50.0%	median	6.8
25.0%	quartile	6.8
10.0%		6.8
2.5%		6.8
0.5%		6.8
0.0%	minimum	6.8

Summary Statistics

Mean	6.8
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Uranium-234 Other

Bias

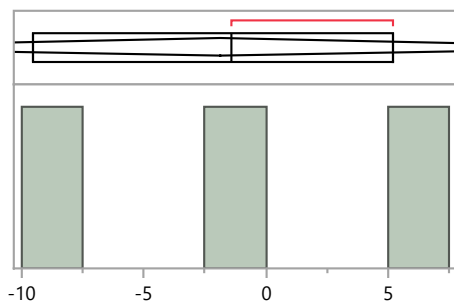


Quantiles

100.0%	maximum	6.3
99.5%		6.3
97.5%		6.3
90.0%		6.3
75.0%	quartile	5.2
50.0%	median	1.7
25.0%	quartile	0.4
10.0%		-0.3
2.5%		-0.3
0.5%		-0.3
0.0%	minimum	-0.3

Summary Statistics

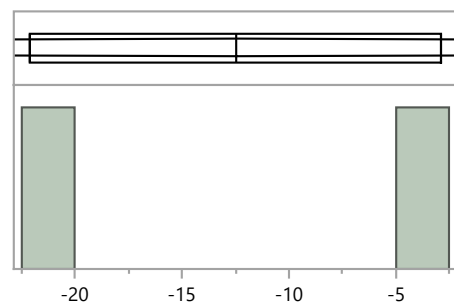
Mean	2.5
Std Dev	2.6
Std Err Mean	1.1
Upper 95% Mean	5.2
Lower 95% Mean	-0.3
N	6.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Uranium-234 Total dissolution by fusion****Bias****Quantiles**

100.0%	maximum	5.2
99.5%		5.2
97.5%		5.2
90.0%		5.2
75.0%	quartile	5.2
50.0%	median	-1.4
25.0%	quartile	-9.5
10.0%		-9.5
2.5%		-9.5
0.5%		-9.5
0.0%	minimum	-9.5

Summary Statistics

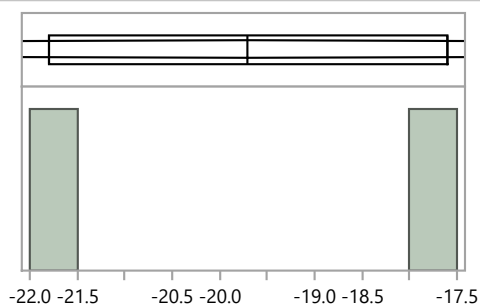
Mean	-1.9
Std Dev	7.4
Std Err Mean	4.3
Upper 95% Mean	16.4
Lower 95% Mean	-20.2
N	3.0

Distributions Analyte_Method=Uranium-238 Acid dissolution with hydrofluoric acid**Bias****Quantiles**

100.0%	maximum	-2.9
99.5%		-2.9
97.5%		-2.9
90.0%		-2.9
75.0%	quartile	-2.9
50.0%	median	-12.5
25.0%	quartile	-22.1
10.0%		-22.1
2.5%		-22.1
0.5%		-22.1
0.0%	minimum	-22.1

Summary Statistics

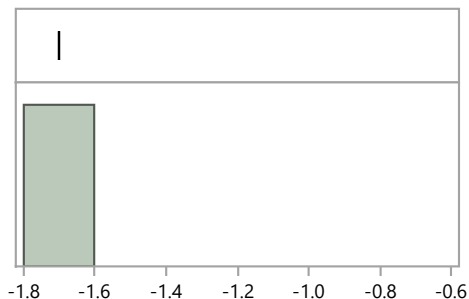
Mean	-12.5
Std Dev	13.6
Std Err Mean	9.6
Upper 95% Mean	109.5
Lower 95% Mean	-134.5
N	2.0

Distributions Analyte_Method=Uranium-238 Coprecipitation, acidified**Bias****Quantiles**

100.0%	maximum	-17.6
99.5%		-17.6
97.5%		-17.6
90.0%		-17.6
75.0%	quartile	-17.6
50.0%	median	-19.7
25.0%	quartile	-21.8
10.0%		-21.8
2.5%		-21.8
0.5%		-21.8
0.0%	minimum	-21.8

Summary Statistics

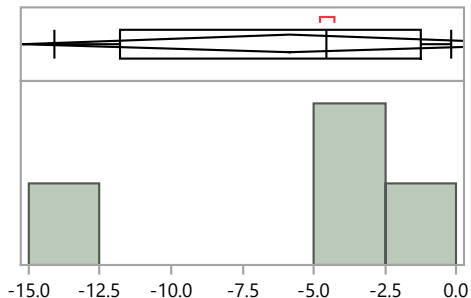
Mean	-19.7
Std Dev	3.0
Std Err Mean	2.1
Upper 95% Mean	7.0
Lower 95% Mean	-46.4
N	2.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Uranium-238 Coprecipitation, straight****Bias****Quantiles**

100.0%	maximum	-1.7
99.5%		-1.7
97.5%		-1.7
90.0%		-1.7
75.0%	quartile	-1.7
50.0%	median	-1.7
25.0%	quartile	-1.7
10.0%		-1.7
2.5%		-1.7
0.5%		-1.7
0.0%	minimum	-1.7

Summary Statistics

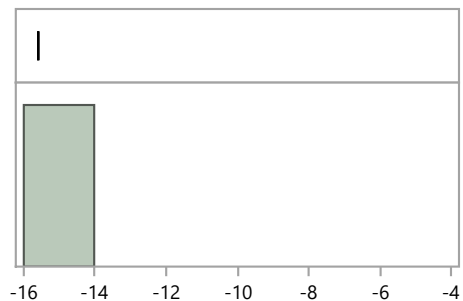
Mean	-1.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Uranium-238 Evaporation, acidified**Bias****Quantiles**

100.0%	maximum	-0.2
99.5%		-0.2
97.5%		-0.2
90.0%		-0.2
75.0%	quartile	-1.2
50.0%	median	-4.6
25.0%	quartile	-11.8
10.0%		-14.1
2.5%		-14.1
0.5%		-14.1
0.0%	minimum	-14.1

Summary Statistics

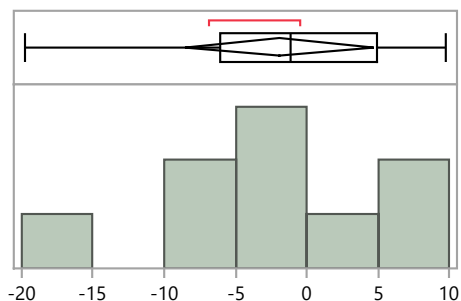
Mean	-5.9
Std Dev	5.9
Std Err Mean	2.9
Upper 95% Mean	3.5
Lower 95% Mean	-15.2
N	4.0

Distributions Analyte_Method=Uranium-238 Evaporation, straight**Bias****Quantiles**

100.0%	maximum	-15.6
99.5%		-15.6
97.5%		-15.6
90.0%		-15.6
75.0%	quartile	-15.6
50.0%	median	-15.6
25.0%	quartile	-15.6
10.0%		-15.6
2.5%		-15.6
0.5%		-15.6
0.0%	minimum	-15.6

Summary Statistics

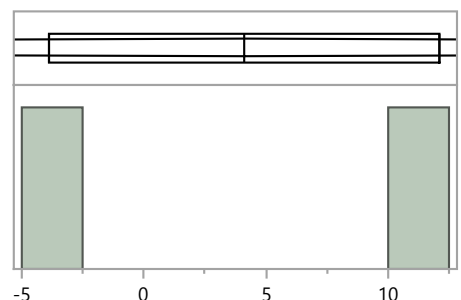
Mean	-15.6
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Uranium-238 Ion Exchange Chromatography / Ion Chromatography****Bias****Quantiles**

100.0%	maximum	9.7
99.5%		9.7
97.5%		9.7
90.0%		9.7
75.0%	quartile	5.0
50.0%	median	-1.1
25.0%	quartile	-6.1
10.0%		-19.8
2.5%		-19.8
0.5%		-19.8
0.0%	minimum	-19.8

Summary Statistics

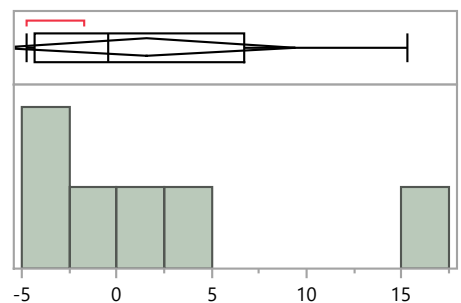
Mean	-1.9
Std Dev	8.6
Std Err Mean	2.9
Upper 95% Mean	4.7
Lower 95% Mean	-8.5
N	9.0

Distributions Analyte_Method=Uranium-238 No preparation - analyzed as received**Bias****Quantiles**

100.0%	maximum	12.1
99.5%		12.1
97.5%		12.1
90.0%		12.1
75.0%	quartile	12.1
50.0%	median	4.1
25.0%	quartile	-3.9
10.0%		-3.9
2.5%		-3.9
0.5%		-3.9
0.0%	minimum	-3.9

Summary Statistics

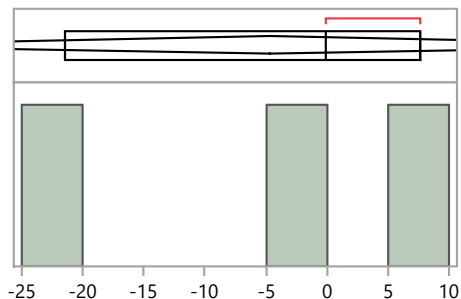
Mean	4.1
Std Dev	11.3
Std Err Mean	8.0
Upper 95% Mean	105.7
Lower 95% Mean	-97.5
N	2.0

Distributions Analyte_Method=Uranium-238 Other**Bias****Quantiles**

100.0%	maximum	15.3
99.5%		15.3
97.5%		15.3
90.0%		15.3
75.0%	quartile	6.7
50.0%	median	-0.4
25.0%	quartile	-4.3
10.0%		-4.7
2.5%		-4.7
0.5%		-4.7
0.0%	minimum	-4.7

Summary Statistics

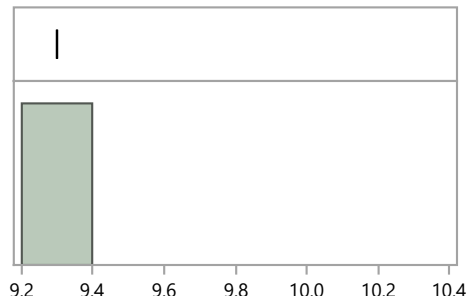
Mean	1.6
Std Dev	7.4
Std Err Mean	3.0
Upper 95% Mean	9.4
Lower 95% Mean	-6.2
N	6.0

MaW54 Distribution by Preparation Method**Distributions Analyte_Method=Uranium-238 Total dissolution by fusion****Bias****Quantiles**

100.0%	maximum	7.6
99.5%		7.6
97.5%		7.6
90.0%		7.6
75.0%	quartile	7.6
50.0%	median	-0.1
25.0%	quartile	-21.5
10.0%		-21.5
2.5%		-21.5
0.5%		-21.5
0.0%	minimum	-21.5

Summary Statistics

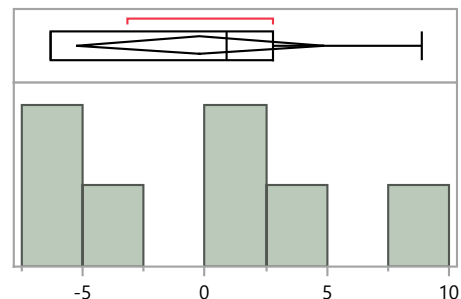
Mean	-4.7
Std Dev	15.1
Std Err Mean	8.7
Upper 95% Mean	32.8
Lower 95% Mean	-42.1
N	3.0

Distributions Analyte_Method=Zinc-65 EPA 900, Radioactivity, Gross Alpha/Beta Screening, 600/4-80-032**Bias****Quantiles**

100.0%	maximum	9.3
99.5%		9.3
97.5%		9.3
90.0%		9.3
75.0%	quartile	9.3
50.0%	median	9.3
25.0%	quartile	9.3
10.0%		9.3
2.5%		9.3
0.5%		9.3
0.0%	minimum	9.3

Summary Statistics

Mean	9.3
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Zinc-65 EPA 901.1, Gamma Emitting, 600/4-80-032**Bias****Quantiles**

100.0%	maximum	8.9
99.5%		8.9
97.5%		8.9
90.0%		8.9
75.0%	quartile	2.8
50.0%	median	0.9
25.0%	quartile	-6.3
10.0%		-6.3
2.5%		-6.3
0.5%		-6.3
0.0%	minimum	-6.3

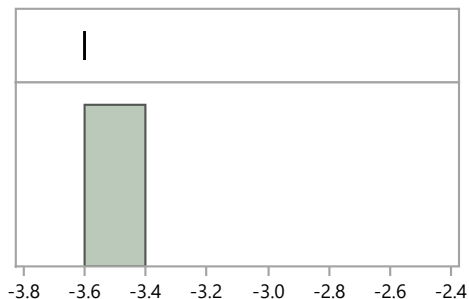
Summary Statistics

Mean	-0.2
Std Dev	5.5
Std Err Mean	2.1
Upper 95% Mean	4.9
Lower 95% Mean	-5.3
N	7.0

MaW54 Distribution by Preparation Method

Distributions Analyte_Method=Zinc-65 EPA 906, Tritium, 600/4/80-032

Bias



Quantiles

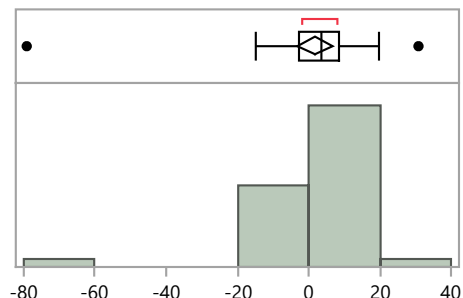
100.0%	maximum	-3.6
99.5%		-3.6
97.5%		-3.6
90.0%		-3.6
75.0%	quartile	-3.6
50.0%	median	-3.6
25.0%	quartile	-3.6
10.0%		-3.6
2.5%		-3.6
0.5%		-3.6
0.0%	minimum	-3.6

Summary Statistics

Mean	-3.6
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Zinc-65 No preparation - analyzed as received

Bias



Quantiles

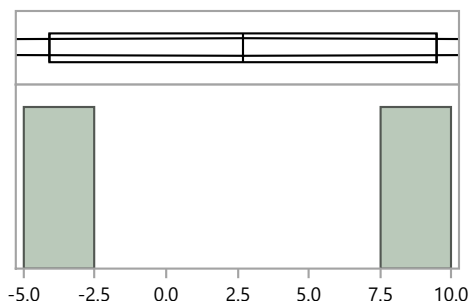
100.0%	maximum	30.8
99.5%		30.8
97.5%		30.2
90.0%		15.5
75.0%	quartile	8.4
50.0%	median	3.6
25.0%	quartile	-2.7
10.0%		-8.9
2.5%		-75.9
0.5%		-79.1
0.0%	minimum	-79.1

Summary Statistics

Mean	1.7
Std Dev	15.7
Std Err Mean	2.5
Upper 95% Mean	6.6
Lower 95% Mean	-3.3
N	41.0

Distributions Analyte_Method=Zinc-65 Other

Bias



Quantiles

100.0%	maximum	9.5
99.5%		9.5
97.5%		9.5
90.0%		9.5
75.0%	quartile	9.5
50.0%	median	2.7
25.0%	quartile	-4.1
10.0%		-4.1
2.5%		-4.1
0.5%		-4.1
0.0%	minimum	-4.1

Summary Statistics

Mean	2.7
Std Dev	9.6
Std Err Mean	6.8
Upper 95% Mean	89.1
Lower 95% Mean	-83.7
N	2.0