

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.

GrF54 Participating Laboratories

Lab Code	Lab Name	Matrix Code
ADEM01	Alabama Department of Environmental Management	GrF
AFOH01	USAFSAM/OEA	GrF
ARSL01	ARS	GrF
CDHS01	California Department of Public Health	GrF
CMRC01	Carlsbad Environmental Monitoring and Research Center	GrF
DEHS01	Department of Environmental Health & Safety	GrF
ERCL01	Washington State Public Health Laboratories	GrF
ERHD99	National Monitoring Section, Radiation Protection Bureau, Health Canada	GrF
FDHE01	Florida Dept of Health Environmental Laboratory	GrF
FDOH01	Florida Dept. of Health, Mobile Environmental Radiological Lab	GrF
GENE01	GEL Laboratories, LLC	GrF
HECR01	SC Department of Environmental Services	GrF
HPAL01	Los Alamos National Laboratory	GrF
IEMA01	Illinois Emergency Management Agency Radiochemistry Laboratory	GrF
ISUE01	ISU Environmental Monitoring Laboratory	GrF
JLNN01	Jefferson Laboratory	GrF
MART03	Radioactive Material Analysis Laboratory	GrF
NESI01	BWXT-Radioisotope & Analytical Chemistry Laboratory	GrF
NOCS99	National Oceanography Centre, Southampton	GrF
NSPH01	Nevada State Public Health Laboratory	GrF
ODHL01	Ohio Department of Health Laboratory	GrF
RPSC01	Radiation Protection Service	GrF
SEML01	SRS Environmental Monitoring Laboratory	GrF
SLDA01	USACE SLDA FUSRAP Project	GrF
SMER01	State of Michigan EGLE Radiological Lab	GrF
SOUT01	Southwest Research Institute	GrF
SRPD01	Sandia National Laboratories, Radiation Protection Sample Diagnostics	GrF
STRL01	South Texas Project Radiological Laboratory	GrF
TDHL01	Texas Department of State Health Services Laboratory	GrF
TMAO01	EBERLINE Analytical Corporation	GrF
TNUT01	St. Louis USACE FUSRAP Laboratory	GrF
WSHL01	Wisconsin State Laboratory of Hygiene	GrF

Laboratories Not Reporting

Lab Code	Lab Name	Matrix Code
ARPL01	Analytical Support Operations - Radiochemical Processing Lab	GrF
ASUK99	AWE (Aldermaston)	GrF
DLEA01	DLE Associates	GrF
FANR79	Federal Authority for Nuclear Regulation, Environmental Laboratory	GrF
IAEA20	IAEA Marine Environment Laboratories, Radiometrics Laboratory	GrF
IAEA59	IAEA-Equipment Radiation Monitoring Laboratory	GrF
TELE02	Microbac Laboratories Inc. - Northbrook	GrF

Study Reference Values

MAPEP-26-GrF54

Radiological Reference Date: 02/01/2026

Analyte	Ref Value	Ref Unc	Units
Radiological			
Gross alpha	0.970	0.018	(Bq/sample)
Gross beta	1.388	0.016	(Bq/sample)

Sample Statistical Summary

MAPEP-26-GrF54

Radiological Reference Date: 02/01/2026

Analyte	T(1)	A(2)	Grand(3) Mean	Std Dev	Ref Value	Ref Unc	Acceptance Range	Units
Radiological								
Gross alpha	30	21	0.645	0.266	0.970	0.018	0.291 - 1.649	(Bq/sample)
Gross beta	32	29	1.324	0.131	1.388	0.016	0.694 - 2.082	(Bq/sample)

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".

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq RP \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq RP \leq 30\%$

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

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

Flag Summary Report

MAPEP-26-GrF54

Radiological				
Analyte	A	W	RW	N
Gross alpha	21			9
Gross beta	29			3



Laboratory Results For MAPEP-26-GrF54

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

Radiological						Units: (Bq/sample)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Gross alpha	NR	0.970				0.291 - 1.649	
Gross beta	40.9	1.388	N		2846.7	0.694 - 2.082	1.5133 A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq RP \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq RP \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(AFOH01) USAFSAM/OEA

2510 Fifth Street, Area B

Wright-Patterson AFB, OH 45433-7913

Radiological						Units: (Bq/sample)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Gross alpha	1.0	0.970	A		3.1	0.291 - 1.649	0.1 A
Gross beta	1.370	1.388	A		-1.3	0.694 - 2.082	0.068 A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(ARSL01) ARS

2609 North River Road

Port Allen, LA 70767

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.273	0.970	N		-71.9	0.291 - 1.649	0.039	A
Gross beta	1.448	1.388	A		4.3	0.694 - 2.082	0.176	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
(CDHS01) California Department of Public Health
Drinking Water & Radiation Lab.
Richmond, CA 94804-6403

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.238	0.970	N		-75.5	0.291 - 1.649	0.0132	A
Gross beta	1.38	1.388	A		-0.6	0.694 - 2.082	0.0322	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq RP \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq RP \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(CMRC01) Carlsbad Environmental Monitoring and Research Center
1400 University Dr.
Carlsbad, NM 88220

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.209	0.970	N		-78.5	0.291 - 1.649	0.006	A
Gross beta	1.517	1.388	A		9.3	0.694 - 2.082	0.020	N

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(DEHS01) Department of Environmental Health & Safety

North Carolina State Univ.

Raleigh, NC 27695-8007

Radiological						Units: (Bq/sample)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Gross alpha	NR	0.970				0.291 - 1.649	
Gross beta	1.19	1.388	A		-14.3	0.694 - 2.082	0.18 W

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
 (ERCL01) Washington State Public Health Laboratories
 1610 N.E. 150th Street
 Shoreline, WA 98155-9701

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.825	0.970	A		-14.9	0.291 - 1.649	0.072	A
Gross beta	1.62	1.388	A		16.7	0.694 - 2.082	0.08	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq RP \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq RP \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(ERHD99) National Monitoring Section, Radiation Protection Bureau, Health Canada
775 Brookfield Road AL6302D1
Ottawa, Ontario K1A 1C1

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.62	0.970	A		-36.1	0.291 - 1.649	0.04	A
Gross beta	1.36	1.388	A		-2.0	0.694 - 2.082	0.23	W

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

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W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

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

Radiological						Units: (Bq/sample)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Gross alpha	0.58	0.970	A		-40.2	0.291 - 1.649	0.04 A
Gross beta	1.37	1.388	A		-1.3	0.694 - 2.082	0.04 A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(FDOH01) Florida Dept. of Health, Mobile Environmental Radiological Lab
2100 All Childrens Way
Orlando, FL 32818-5271

Radiological						Units: (Bq/sample)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Gross alpha	0.60	0.970	A		-38.1	0.291 - 1.649	0.04 A
Gross beta	1.29	1.388	A		-7.1	0.694 - 2.082	0.04 A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq RP \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq RP \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(GENE01) GEL Laboratories, LLC

2040 Savage Road

Charleston, SC 29407

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.402	0.970	A		-58.6	0.291 - 1.649	0.0407	A
Gross beta	1.06	1.388	A		-23.6	0.694 - 2.082	0.0349	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
(HECR01) SC Department of Environmental Services
8231 Parklane Road
Columbia, SC 29223

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.219	0.970	N		-77.4	0.291 - 1.649	0.0396	W
Gross beta	1.394	1.388	A		0.4	0.694 - 2.082	0.0686	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq RP \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq RP \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
(HPAL01) Los Alamos National Laboratory
Scott Engeman, z277361 MS G761
Los Alamos, NM 87545-1663

Radiological						Units: (Bq/sample)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Gross alpha	9.94E-01	0.970	A		2.5	0.291 - 1.649	9.58E-02 A
Gross beta	1.46E+00	1.388	A		5.2	0.694 - 2.082	6.51E-02 A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(IEMA01) Illinois Emergency Management Agency Radiochemistry Laboratory
1301 Knotts St.
Springfield, IL 62703

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.335	0.970	A		-65.5	0.291 - 1.649	0.017	A
Gross beta	1.34	1.388	A		-3.5	0.694 - 2.082	0.017	N

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
 (ISUE01) ISU Environmental Monitoring Laboratory
 785 5th 8th Ave Rm B107
 Pocatello, ID 83209

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.21	0.970	N		-78.4	0.291 - 1.649	0.01	A
Gross beta	1.45	1.388	A		4.5	0.694 - 2.082	0.014	N

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(JLNN01) Jefferson Laboratory
111 Hadron Drive
Newport News, VA 23606

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.318	0.970	A		-67.2	0.291 - 1.649	0.0115	A
Gross beta	5.35	1.388	N		285.4	0.694 - 2.082	0.115	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
(MART03) Radioactive Material Analysis Laboratory
ORNL
Oak Ridge, TN 37830

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.721	0.970	A		-25.7	0.291 - 1.649	0.022	A
Gross beta	1.337	1.388	A		-3.7	0.694 - 2.082	0.019	N

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(NESI01) BWXT-Radioisotope & Analytical Chemistry Laboratory
Lynchburg Technology Center
Lynchburg, VA 24504-5447

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.661	0.970	A		-31.9	0.291 - 1.649	0.025	A
Gross beta	1.20	1.388	A		-13.5	0.694 - 2.082	0.022	N

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
(NOCS99) National Oceanography Centre, Southampton
GAU-Radioanalytical
Southampton, Hampshire SO14 3ZH

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.30	0.970	A		-69.1	0.291 - 1.649	0.02	A
Gross beta	0.62	1.388	N		-55.3	0.694 - 2.082	0.01	N

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
 (NSPH01) Nevada State Public Health Laboratory
 1664 North Virginia Street, MS 328
 Reno, NV 89557

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.659	0.970	A		-32.1	0.291 - 1.649	0.032	A
Gross beta	1.370	1.388	A		-1.3	0.694 - 2.082	0.093	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq RP \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq RP \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
 (ODHL01) Ohio Department of Health Laboratory
 8995 E Main Street
 Reynoldsburg, OH 43068

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.491	0.970	A		-49.4	0.291 - 1.649	0.036	A
Gross beta	1.219	1.388	A		-12.2	0.694 - 2.082	0.023	N

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(RPSC01) Radiation Protection Service

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

Mississauga, Ontario L4V 1W8

Radiological						Units: (Bq/sample)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Unc Flag
Gross alpha	1.11	0.970	A		14.4	0.291 - 1.649	0.12 A
Gross beta	1.27	1.388	A		-8.5	0.694 - 2.082	0.14 A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
(SEML01) SRS Environmental Monitoring Laboratory
Bldg 735-B
Aiken, SC 29808

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.920	0.970	A		-5.2	0.291 - 1.649	0.081	A
Gross beta	1.468	1.388	A		5.8	0.694 - 2.082	0.036	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
(SLDA01) USACE SLDA FUSRAP Project
2992 River Road
Vandergrift, PA 15690

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.234	0.970	N		-75.9	0.291 - 1.649	0.0105	A
Gross beta	1.3200	1.388	A		-4.9	0.694 - 2.082	0.0331	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq RP \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq RP \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(SMER01) State of Michigan EGLE Radiological Lab

815 Filley St.

Lansing, MI 48906

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.186	0.970	N		-80.8	0.291 - 1.649	0.017	A
Gross beta	1.39	1.388	A		0.1	0.694 - 2.082	0.03	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(SOUT01) Southwest Research Institute

6220 Culebra Rd.

San Antonio, TX 78238-5166

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.633	0.970	A		-34.7	0.291 - 1.649	0.0515	A
Gross beta	1.30	1.388	A		-6.3	0.694 - 2.082	0.0826	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(SRPD01) Sandia National Laboratories, Radiation Protection Sample Diagnostics
PO Box 5800, MS1103
Albuquerque, NM 87185-1103

Radiological						Units: (Bq/sample)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value Flag
Gross alpha	1.15E+00	0.970	A		18.6	0.291 - 1.649	1.80E-02 N
Gross beta	1.04E+00	1.388	A		-25.1	0.694 - 2.082	2.44E-02 A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

(STRL01) South Texas Project Radiological Laboratory

12090 FM 521

Wadsworth, TX 77483

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.3475	0.970	A		-64.2	0.291 - 1.649	0.025	A
Gross beta	1.273	1.388	A		-8.3	0.694 - 2.082	0.032	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54

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

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.420	0.970	A		-56.7	0.291 - 1.649	0.018	A
Gross beta	1.160	1.388	A		-16.4	0.694 - 2.082	0.023	N

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
(TMAO01) EBERLINE Analytical Corporation
601 A SCARBORO RD
OAK RIDGE, TN 37830-

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.219	0.970	N		-77.4	0.291 - 1.649	0.030	A
Gross beta	1.293	1.388	A		-6.8	0.694 - 2.082	0.055	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
(TNUT01) St. Louis USACE FUSRAP Laboratory
112 James S McDonnell Blvd
HAZELWOOD, MO 63042

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.207	0.970	N		-78.7	0.291 - 1.649	0.0126	A
Gross beta	1.35	1.388	A		-2.7	0.694 - 2.082	0.0552	A

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq \text{RP} \leq 15\%$

W = ACCEPTABLE WITH WARNING..... $15\% \leq \text{RP} \leq 30\%$

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

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



Laboratory Results For MAPEP-26-GrF54
 (WSHL01) Wisconsin State Laboratory of Hygiene
 2601 Agriculture Drive
 Madison, WI 53718

Radiological						Units: (Bq/sample)		
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.4603	0.970	A		-52.5	0.291 - 1.649	0.0329	A
Gross beta	1.149	1.388	A		-17.2	0.694 - 2.082	0.0210	N

Radiological Reference Date: February 1, 2026

Gross Alpha Flags:

A = Result acceptable, Bias $\leq \pm 70\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 70\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Gross Beta Flags:

A = Result acceptable, Bias $\leq \pm 50\%$ with a statistically positive result at two standard deviations (Result/Uncertainty > 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, does not include zero).

N = Result not acceptable, Bias $> \pm 50\%$ or the reported result is not statistically positive at two standard deviations (Result/Uncertainty ≤ 2 , i.e., the range encompassing the result, plus or minus the total uncertainty at two standard deviations, includes zero).

Uncertainty Flags:

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

A = ACCEPTABLE..... $2\% \leq RP \leq 15\%$

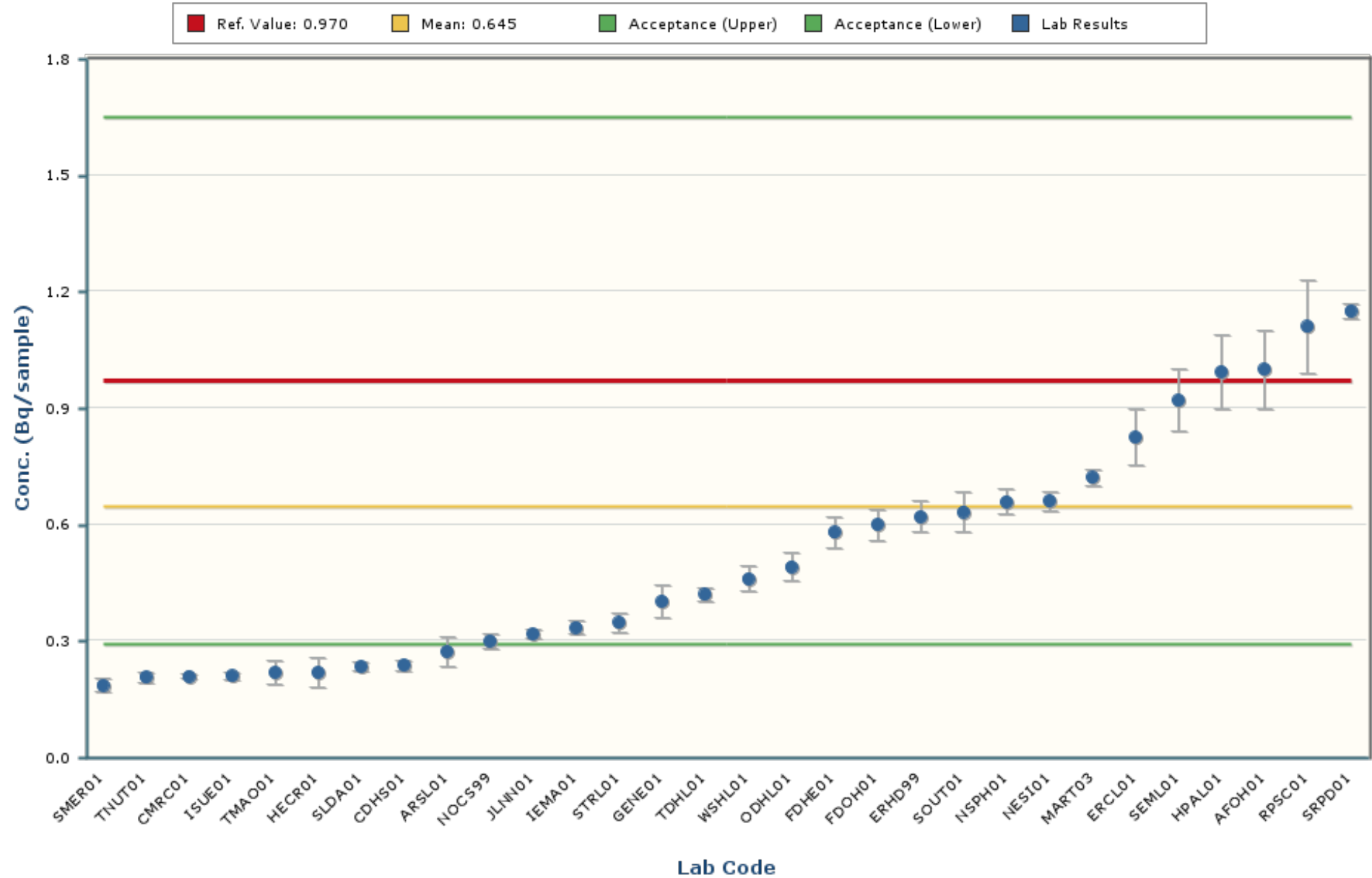
W = ACCEPTABLE WITH WARNING..... $15\% \leq RP \leq 30\%$

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

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

Gross alpha

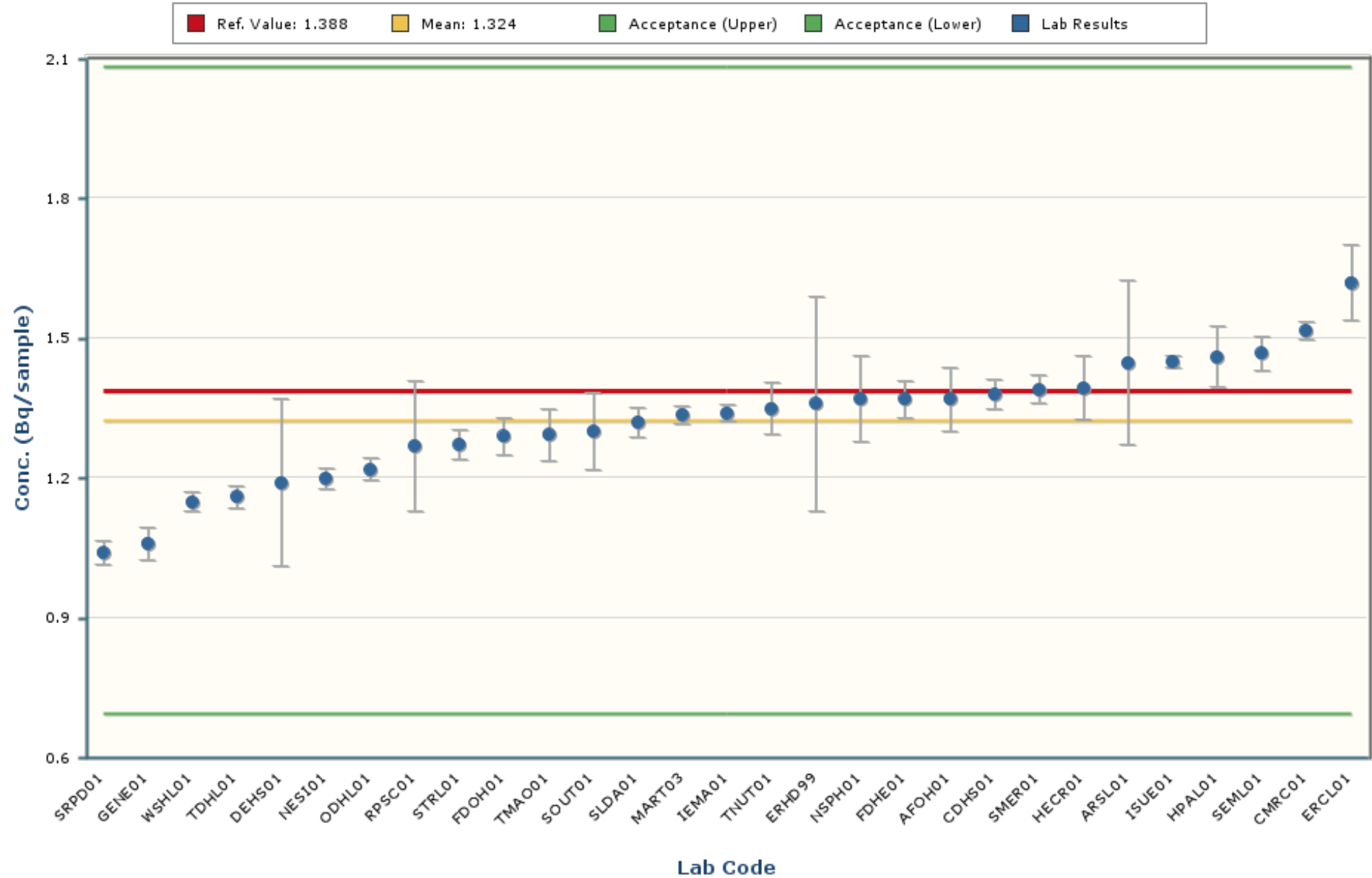
MAPEP-26-GrF54



Notes:
The chart shows only data points with values between -0.686 and 1.977 (± 5 Standard Deviations).

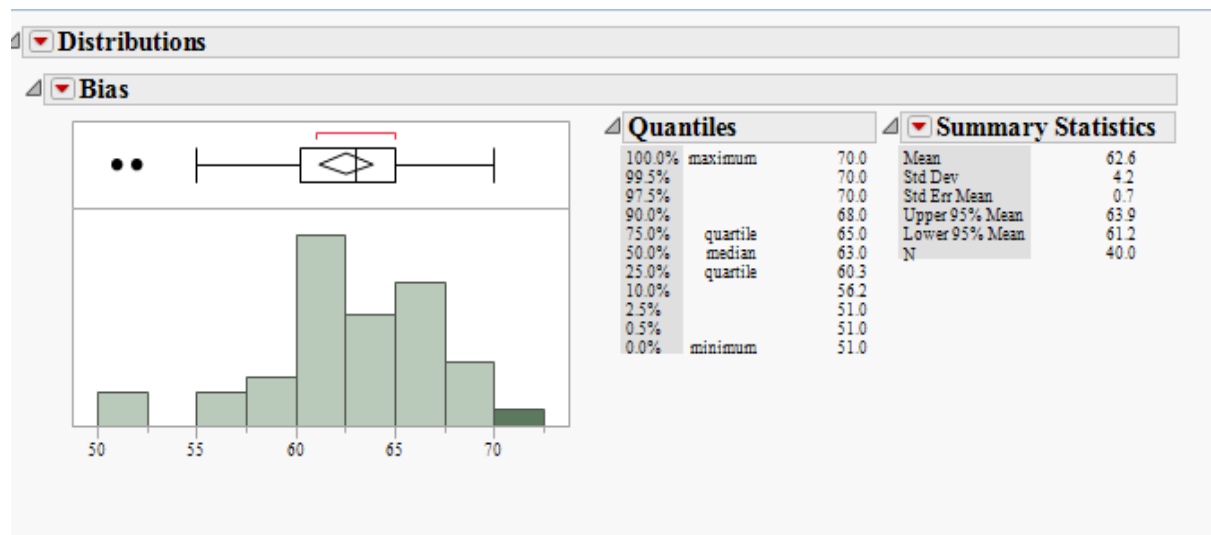
Gross beta

MAPEP-26-GrF54



Notes:
The chart shows only data points with values between 0.671 and 1.976 (± 5 Standard Deviations).

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.

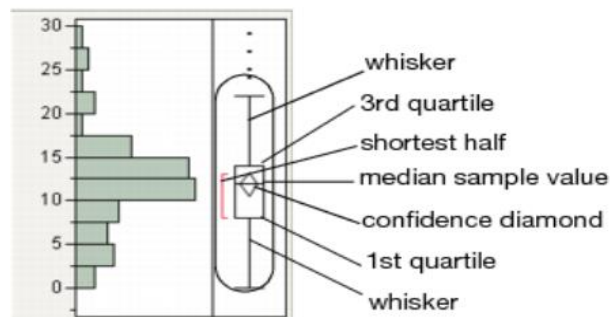


Outlier Box Plot

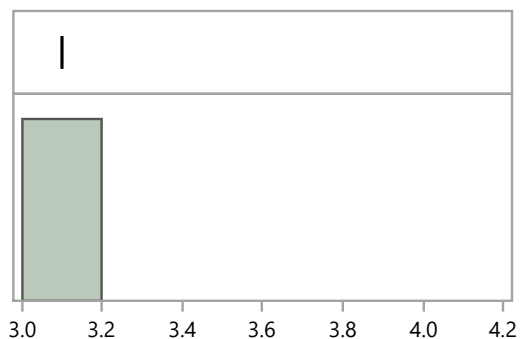
The BLACK small vertical line inside the small rectangle at the top of the data distribution graph is the median of the population of the bias shown for that analyte in the matrix. The confidence diamond contains the mean and the upper and lower 95% of the mean. If you drew a line through the middle 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)



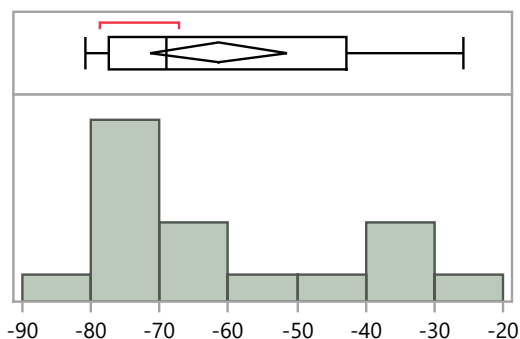
If the data points do not reach the computed ranges, then the whiskers are determined by the upper and lower data point values (not including outliers). The bracket outside of the box identifies the *shortest half*, which is the most dense 50% of the observations (Rousseuw and Leroy 1987).

GrF54 Distribution by Detection Method**Distributions Analyte_Detection=Gross alpha Alpha Spectrometry****Bias****Quantiles**

100.0%	maximum	3.1
99.5%		3.1
97.5%		3.1
90.0%		3.1
75.0%	quartile	3.1
50.0%	median	3.1
25.0%	quartile	3.1
10.0%		3.1
2.5%		3.1
0.5%		3.1
0.0%	minimum	3.1

Summary Statistics

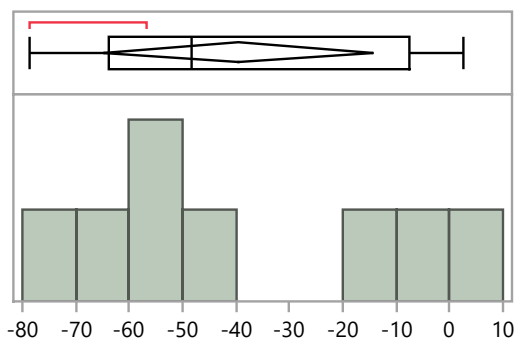
Mean	3.1
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Detection=Gross alpha Gas Flow Proportional Counter**Bias****Quantiles**

100.0%	maximum	-25.7
99.5%		-25.7
97.5%		-25.7
90.0%		-30.7
75.0%	quartile	-42.8
50.0%	median	-69.1
25.0%	quartile	-77.4
10.0%		-79.1
2.5%		-80.8
0.5%		-80.8
0.0%	minimum	-80.8

Summary Statistics

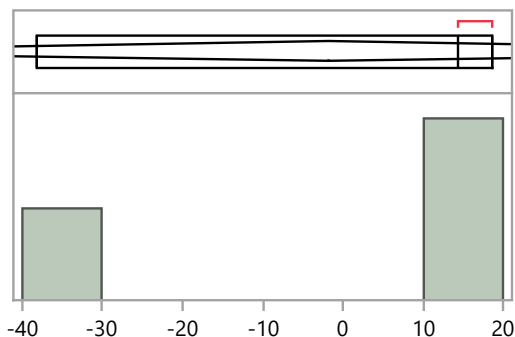
Mean	-61.4
Std Dev	19.3
Std Err Mean	4.7
Upper 95% Mean	-51.5
Lower 95% Mean	-71.3
N	17.0

Distributions Analyte_Detection=Gross alpha Gross Alpha/Beta - 2 pi gas flow proportional counter**Bias****Quantiles**

100.0%	maximum	2.5
99.5%		2.5
97.5%		2.5
90.0%		2.5
75.0%	quartile	-7.6
50.0%	median	-48.5
25.0%	quartile	-63.8
10.0%		-78.5
2.5%		-78.5
0.5%		-78.5
0.0%	minimum	-78.5

Summary Statistics

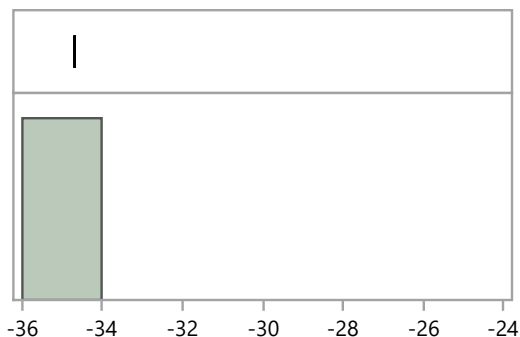
Mean	-39.6
Std Dev	30.2
Std Err Mean	10.7
Upper 95% Mean	-14.4
Lower 95% Mean	-64.9
N	8.0

GrF54 Distribution by Detection Method**Distributions Analyte_Detection=Gross alpha Liquid Scintillation Counter****Bias****Quantiles**

100.0%	maximum	18.6
99.5%		18.6
97.5%		18.6
90.0%		18.6
75.0%	quartile	18.6
50.0%	median	14.4
25.0%	quartile	-38.1
10.0%		-38.1
2.5%		-38.1
0.5%		-38.1
0.0%	minimum	-38.1

Summary Statistics

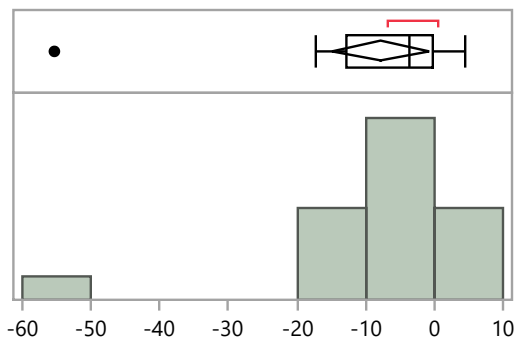
Mean	-1.7
Std Dev	31.6
Std Err Mean	18.2
Upper 95% Mean	76.8
Lower 95% Mean	-80.2
N	3.0

Distributions Analyte_Detection=Gross alpha Other**Bias****Quantiles**

100.0%	maximum	-34.7
99.5%		-34.7
97.5%		-34.7
90.0%		-34.7
75.0%	quartile	-34.7
50.0%	median	-34.7
25.0%	quartile	-34.7
10.0%		-34.7
2.5%		-34.7
0.5%		-34.7
0.0%	minimum	-34.7

Summary Statistics

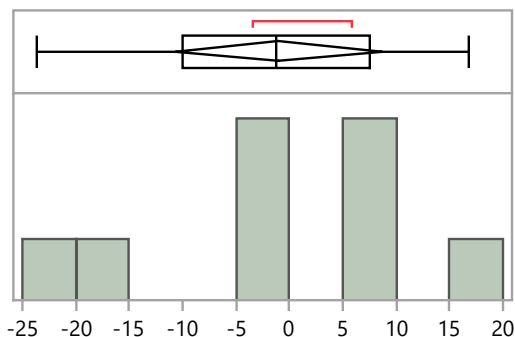
Mean	-34.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Detection=Gross beta Gas Flow Proportional Counter**Bias****Quantiles**

100.0%	maximum	4.5
99.5%		4.5
97.5%		4.5
90.0%		4.3
75.0%	quartile	-0.3
50.0%	median	-3.7
25.0%	quartile	-12.9
10.0%		-24.8
2.5%		-55.3
0.5%		-55.3
0.0%	minimum	-55.3

Summary Statistics

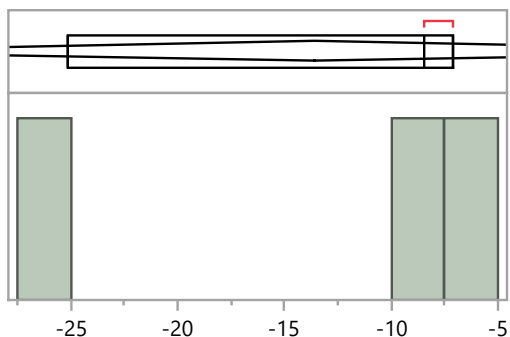
Mean	-7.9
Std Dev	13.8
Std Err Mean	3.3
Upper 95% Mean	-0.8
Lower 95% Mean	-14.9
N	17.0

GrF54 Distribution by Detection Method**Distributions Analyte_Detection=Gross beta Gross Alpha/Beta - 2 pi gas flow proportional counter****Bias****Quantiles**

100.0%	maximum	16.7
99.5%		16.7
97.5%		16.7
90.0%		16.7
75.0%	quartile	7.6
50.0%	median	-1.3
25.0%	quartile	-10.0
10.0%		-23.6
2.5%		-23.6
0.5%		-23.6
0.0%	minimum	-23.6

Summary Statistics

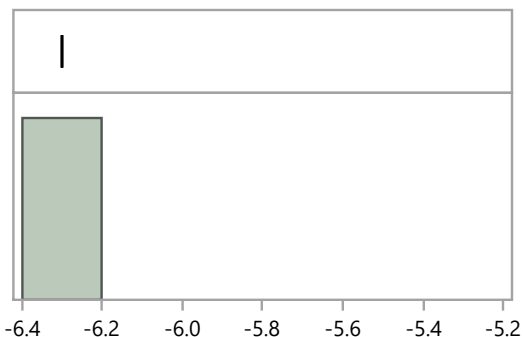
Mean	-1.0
Std Dev	12.5
Std Err Mean	4.2
Upper 95% Mean	8.6
Lower 95% Mean	-10.7
N	9.0

Distributions Analyte_Detection=Gross beta Liquid Scintillation Counter**Bias****Quantiles**

100.0%	maximum	-7.1
99.5%		-7.1
97.5%		-7.1
90.0%		-7.1
75.0%	quartile	-7.1
50.0%	median	-8.5
25.0%	quartile	-25.1
10.0%		-25.1
2.5%		-25.1
0.5%		-25.1
0.0%	minimum	-25.1

Summary Statistics

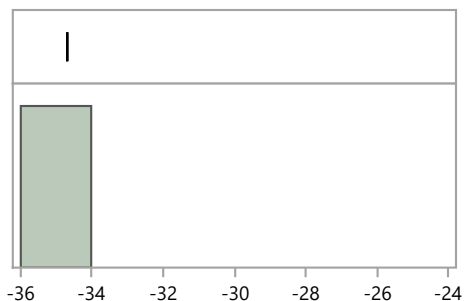
Mean	-13.6
Std Dev	10.0
Std Err Mean	5.8
Upper 95% Mean	11.3
Lower 95% Mean	-38.4
N	3.0

Distributions Analyte_Detection=Gross beta Other**Bias****Quantiles**

100.0%	maximum	-6.3
99.5%		-6.3
97.5%		-6.3
90.0%		-6.3
75.0%	quartile	-6.3
50.0%	median	-6.3
25.0%	quartile	-6.3
10.0%		-6.3
2.5%		-6.3
0.5%		-6.3
0.0%	minimum	-6.3

Summary Statistics

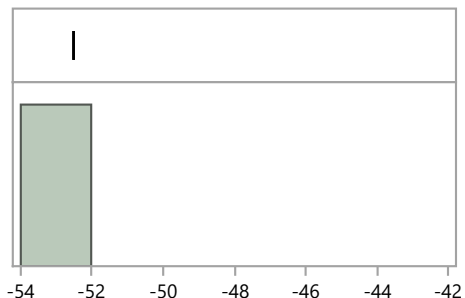
Mean	-6.3
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

GrF54 Distribution by Preparation Method**Distributions Analyte_Method=Gross alpha Acid leaching without hydrofluoric acid****Bias****Quantiles**

100.0%	maximum	-34.7
99.5%		-34.7
97.5%		-34.7
90.0%		-34.7
75.0%	quartile	-34.7
50.0%	median	-34.7
25.0%	quartile	-34.7
10.0%		-34.7
2.5%		-34.7
0.5%		-34.7
0.0%	minimum	-34.7

Summary Statistics

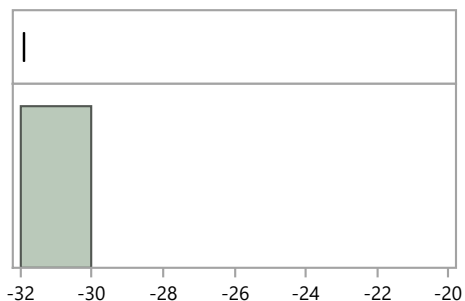
Mean	-34.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Gross alpha EPA 900, Radioactivity, Gross Alpha/Beta Screening, 600/4-80-032**Bias****Quantiles**

100.0%	maximum	-52.5
99.5%		-52.5
97.5%		-52.5
90.0%		-52.5
75.0%	quartile	-52.5
50.0%	median	-52.5
25.0%	quartile	-52.5
10.0%		-52.5
2.5%		-52.5
0.5%		-52.5
0.0%	minimum	-52.5

Summary Statistics

Mean	-52.5
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Gross alpha Evaporation, acidified**Bias****Quantiles**

100.0%	maximum	-31.9
99.5%		-31.9
97.5%		-31.9
90.0%		-31.9
75.0%	quartile	-31.9
50.0%	median	-31.9
25.0%	quartile	-31.9
10.0%		-31.9
2.5%		-31.9
0.5%		-31.9
0.0%	minimum	-31.9

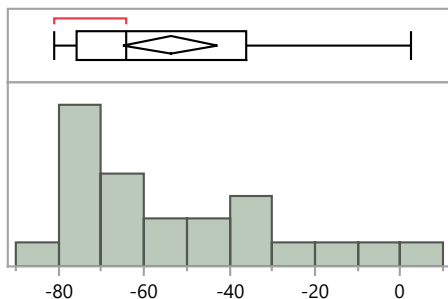
Summary Statistics

Mean	-31.9
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

GrF54 Distribution by Preparation Method

Distributions Analyte_Method=Gross alpha No preparation - analyzed as received

Bias



Quantiles

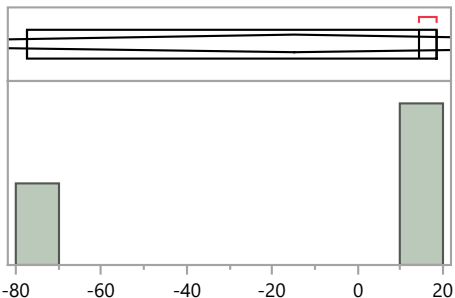
100.0%	maximum	2.5
99.5%		2.5
97.5%		2.5
90.0%		-9.1
75.0%	quartile	-36.1
50.0%	median	-64.2
25.0%	quartile	-75.9
10.0%		-78.6
2.5%		-80.8
0.5%		-80.8
0.0%	minimum	-80.8

Summary Statistics

Mean	-53.8
Std Dev	25.4
Std Err Mean	5.3
Upper 95% Mean	-42.8
Lower 95% Mean	-64.8
N	23.0

Distributions Analyte_Method=Gross alpha Other

Bias



Quantiles

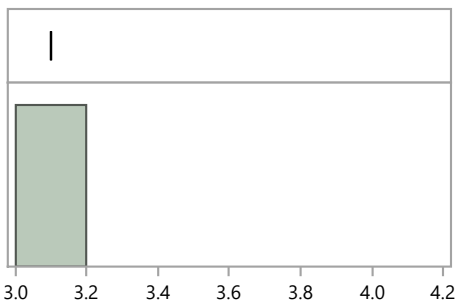
100.0%	maximum	18.6
99.5%		18.6
97.5%		18.6
90.0%		18.6
75.0%	quartile	18.6
50.0%	median	14.4
25.0%	quartile	-77.4
10.0%		-77.4
2.5%		-77.4
0.5%		-77.4
0.0%	minimum	-77.4

Summary Statistics

Mean	-14.8
Std Dev	54.3
Std Err Mean	31.3
Upper 95% Mean	120.0
Lower 95% Mean	-149.6
N	3.0

Distributions Analyte_Method=Gross alpha Total dissolution by fusion

Bias

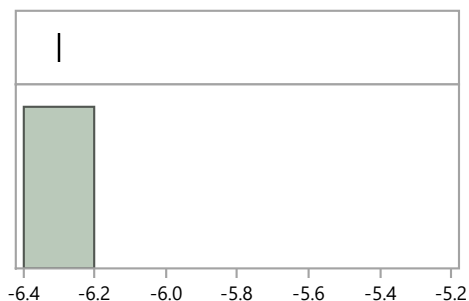


Quantiles

100.0%	maximum	3.1
99.5%		3.1
97.5%		3.1
90.0%		3.1
75.0%	quartile	3.1
50.0%	median	3.1
25.0%	quartile	3.1
10.0%		3.1
2.5%		3.1
0.5%		3.1
0.0%	minimum	3.1

Summary Statistics

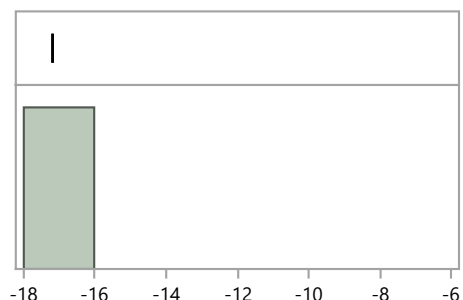
Mean	3.1
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

GrF54 Distribution by Preparation Method**Distributions Analyte_Method=Gross beta Acid leaching without hydrofluoric acid****Bias****Quantiles**

100.0%	maximum	-6.3
99.5%		-6.3
97.5%		-6.3
90.0%		-6.3
75.0%	quartile	-6.3
50.0%	median	-6.3
25.0%	quartile	-6.3
10.0%		-6.3
2.5%		-6.3
0.5%		-6.3
0.0%	minimum	-6.3

Summary Statistics

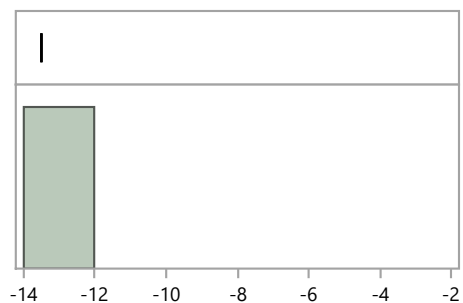
Mean	-6.3
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Gross beta EPA 900, Radioactivity, Gross Alpha/Beta Screening, 600/4-80-032**Bias****Quantiles**

100.0%	maximum	-17.2
99.5%		-17.2
97.5%		-17.2
90.0%		-17.2
75.0%	quartile	-17.2
50.0%	median	-17.2
25.0%	quartile	-17.2
10.0%		-17.2
2.5%		-17.2
0.5%		-17.2
0.0%	minimum	-17.2

Summary Statistics

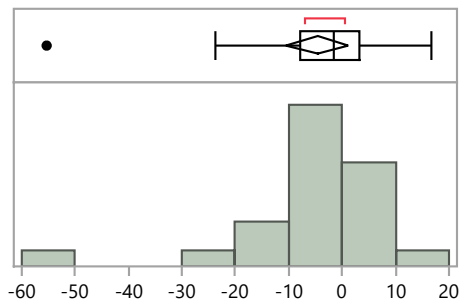
Mean	-17.2
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

Distributions Analyte_Method=Gross beta Evaporation, acidified**Bias****Quantiles**

100.0%	maximum	-13.5
99.5%		-13.5
97.5%		-13.5
90.0%		-13.5
75.0%	quartile	-13.5
50.0%	median	-13.5
25.0%	quartile	-13.5
10.0%		-13.5
2.5%		-13.5
0.5%		-13.5
0.0%	minimum	-13.5

Summary Statistics

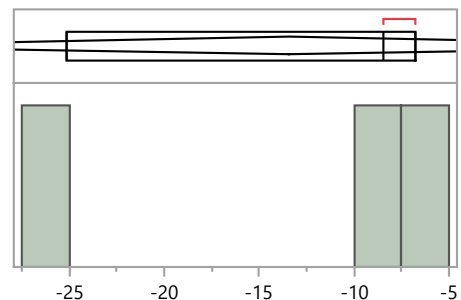
Mean	-13.5
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1.0

GrF54 Distribution by Preparation Method**Distributions Analyte_Method=Gross beta No preparation - analyzed as received****Bias****Quantiles**

100.0%	maximum	16.7
99.5%		16.7
97.5%		16.7
90.0%		7.6
75.0%	quartile	3.3
50.0%	median	-1.7
25.0%	quartile	-8.0
10.0%		-20.0
2.5%		-55.3
0.5%		-55.3
0.0%	minimum	-55.3

Summary Statistics

Mean	-4.7
Std Dev	13.8
Std Err Mean	2.8
Upper 95% Mean	1.1
Lower 95% Mean	-10.5
N	24.0

Distributions Analyte_Method=Gross beta Other**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	-8.5
25.0%	quartile	-25.1
10.0%		-25.1
2.5%		-25.1
0.5%		-25.1
0.0%	minimum	-25.1

Summary Statistics

Mean	-13.5
Std Dev	10.1
Std Err Mean	5.8
Upper 95% Mean	11.6
Lower 95% Mean	-38.6
N	3.0