

MAPEP-08-GrW19 Laboratories Receiving Samples

Lab Code	Lab Name
1	ADEM01 Alabama Department of Environmental Management
2	AFOH01 USAFSAM/SDRR
3	ANLA01 Argonne National Laboratory/Analytical Chemistry Lab.
4	ANTE01 Paragon Analytics a Division of DataChem Laboratories, Inc.
5	ARPL01 Analytical Support Operations - Radiochemical Processing Lab
6	ARSL01 American Radiation Services Inc.
7	AY1201 B&W Y-12, Analytical Chemistry Organization Laboratory
8	CDHS01 California Department of Public Health
9	CESL01 Lawrence Livermore National Laboratory - EMRL
10	CHMH01 222-S Laboratory
11	DEHS01 Department of Environmental Health & Safety
12	DLEA01 DLE Associates
13	DRMG01 BWXT Pantex - D&RMG
14	ENES01 Energy Northwest Environmental Services
15	EPAL01 U. S. EPA Office of Radiation and Indoor Air
16	ERCL01 Washington State Public Health Laboratories
17	ERHD99 Radiation Protection Bureau ERHD NMS
18	ERLG01 Environmental Radiation Laboratory
19	ERPD99 Ministry Of Health,Radiation Protection Department Lab
20	FDHE01 Florida Dept of Health Environmental Laboratory
21	FMEC99 Foods and Water Laboratories Center
22	FNAL01 Fermi National Accelerator Laboratory (FermiLab)
23	GENE01 GEL Laboratories, LLC
24	GROW01 FGL Environmental
25	HCAL01 Hazards Control Analytical Lab
26	HECR01 SC Dept. Health and Environmental Control Radiological Laboratory
27	HWRL01 Lawrence Livermore National Laboratory - HWRL
28	ISUP01 ISU - Department of Physics/Health Physics/EAL
29	JAEC99 Radiation Measurements Laboratory
30	KDHE01 Kansas Dept. of Health & Environment
31	LOCK01 ICP Analytical Services Laboratories
32	LOCK03 Advanced Test Reactor (ATR) Complex Radioanalytical Laboratory
33	MART01 USEC, Inc.
34	MART02 United States Enrichment Corporation
35	MART03 Radioactive Material Analysis Laboratory
36	MDPH01 MDPH-Radiation Control Program
37	MKME01 MKM Engineers, Inc
38	MSTH99 Radioecology
39	NARL01 National Air and Radiation Environmental Laboratory
40	NESI01 B&W Technical Services-Radioisotope & Analytical Chemistry Laboratory
41	NJDH01 New Jersey Dept. of Health & Senior Services, PHEL, ECLS
42	NRLL99 National Radiation Laboratory

43 NTSI01 Nuclear Technology Services, Inc.
44 OBGL01 Life Science Laboratories, Inc.
45 ODHL01 Ohio Department of Health Laboratory
46 ORIS01 ORISE/ESSAP
47 OTLI01 Outreach Technologies, Inc.
48 QUAN01 TestAmerica St. Louis
49 QUAN03 TestAmerica
50 RMCL99 Royal Scientific Society - Radiation Measurements Lab
51 RPCR01 CH2M Hill RadCon Program Count Room
52 RPSC01 Radiation Protection Service
53 RSAL01 RSA Laboratories, Inc.
54 SCAL01 GPL Laboratories Alabama, LLC
55 SEML01 SRS Environmental Monitoring Laboratory
56 SLDL01 Scientific Laboratory Division
57 SNRC99 Soreq NRC
58 SOUT01 Southwest Research Institute
59 TDHL01 Texas Department of State Health Services Laboratory
60 TELE01 TELEDYNE BROWN ENGINEERING - ENVIRONMENTAL SERVICES
61 TELE02 Environmental, Inc., Midwest Lab
62 TMAO01 EBERLINE SERVICES OAK RIDGE LABORATORY
63 TMAR01 Eberline Services
64 TNUT01 FUSRAP
65 URSL01 UNLV Radioanalytical Services Laboratory
66 USED99 National Center for Energy, Science and Nuclear Tech.
67 WEST03 Waste Sampling and Characterization Facility
68 WEST04 PACE ANALYTICAL SERVICES, PITTSBURGH
69 WSHL01 Wisconsin State Laboratory of Hygiene
70 WVDP01 WVDP Environmental Laboratory
71 WVNS01 West Valley Process Chemistry

19 Laboratories did not report data

Setup and Process Data

MAPEP-08-GrW19

Analyte	Ref. Value	Total Ref.	Uncertainty	F.P.	S.E.
Radiological					
Gross alpha	0.56			✓	
Gross beta	1.85			✓	

Sample Statistical Summary

MAPEP-08-GrW19

Analyte	T(1)	A(2)	Grand(3) Mean	Std Dev	Ref Value	Ref Unc	Acceptance Range
Radiological							Units: (Bq/L)
Gross alpha	52	51			<0.56		False Positive Test
Gross beta	52	51			<1.85		False Positive Test

Note: (1) T = Total number of laboratories reporting analyte.
(2) A = Number of laboratories with 'Acceptable' performance.

Gross Alpha Criteria:

Acceptable Result: Bias \leq +/- 100% 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).

Gross Beta Criteria:

Acceptable Result: Bias \leq +/- 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).

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable "A". Laboratories reporting values greater than these were found to be Not Acceptable "N".

Flag Summary Report

Generated December 17, 2008

MAPEP-08-GrW19

Radiological				
Analyte	A	W	RW	N
alpha	51			1
Gross beta	51			1



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

Laboratory Results For MAPEP-08-GrW19
 (ADEM01) Alabama Department of Environmental Management
 Montgomery Laboratory
 Montgomery, AL 36110

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.162	<0.56	A				0.001	
Gross beta	0.256	<1.85	A				0.008	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19

(ANTE01) Paragon Analytics a Division of DataChem Laboratories, Inc.

225 Commerce Drive

Fort Collins, CO 80524-1416

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.0638	<0.56	A				0.0093	
Gross beta	0.0960	<1.85	A				0.0135	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19

(ARPL01) Analytical Support Operations - Radiochemical Processing Lab

PO Box 999

Richland, WA 99354

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.131	<0.56	A				0.038	
Gross beta	0.112	<1.85	A				0.016	

Radiological Reference Date: August 1, 2008

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Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (ARSL01) American Radiation Services Inc.
 2609 North River Road
 Port Allen, LA 70767

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.053	<0.56	A				0.053	
Gross beta	0.106	<1.85	A				0.037	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19
 (AY1201) B&W Y-12, Analytical Chemistry Organization Laboratory
 Y12, NSC, Bldg. 9995, Rm 142
 Oak Ridge, TN 37831-8189

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.108	<0.56	A				0.206	
Gross beta	0.121	<1.85	A				0.255	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19
 (CESL01) Lawrence Livermore National Laboratory - EMRL
 7000 East Avenue
 Livermore, CA 94551

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	1.32E-02	<0.56	A				1.10E-	
Gross beta	1.54E-01	<1.85	A				3.50E-	

Radiological Reference Date: August 1, 2008

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(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (CHMH01) 222-S Laboratory
 P.O. Box 250, MS T6-10
 Richland, WA 99354

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	NR	<0.56						
Gross beta	NR	<1.85						

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (DEHS01) Department of Environmental Health & Safety
 North Carolina State Univ.
 Raleigh, NC 27695-8007

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.09	<0.56	A				0.09	
Gross beta	0.136	<1.85	A				0.092	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19

(DLEA01) DLE Associates

730 Alfred Nobel Drive

Hercules, CA 94547

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross beta	0.16	<1.85	A				0.08	
Gross alpha	0.22	<0.56	A				0.10	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (ENES01) Energy Northwest Environmental Services
 350 Hills St., Suite 107
 Richland, WA 99354

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.082	<0.56	A				0.025	
Gross beta	0.049	<1.85	A				0.017	

Radiological Reference Date: August 1, 2008

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

Laboratory Results For MAPEP-08-GrW19
 (ERCL01) Washington State Public Health Laboratories
 1610 N.E. 150 th Srteet
 Shoreline, WA 98155-9701

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.119	<0.56	A				0.020	
Gross beta	0.080	<1.85	A				0.020	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19
 (ERHD99) Radiation Protection Bureau ERHD NMS
 775 Brookfield Road AL6302D1
 Ottawa, Ontario K1A 1C1

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.24	<0.56	A				0.064	
Gross beta	0.318	<1.85	A				0.084	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (ERLG01) Environmental Radiation Laboratory
 Georgia Institute of Tech.
 Atlanta, GA 30332

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.1	<0.56	A				.02	
Gross beta	.1	<1.85	A				.02	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19
 (ERPD99) Ministry Of Health,Radiation Protection Department Lab
 Al-Awqaf Complex-Tower#12
 Sharq, Kuwait 656

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.0054	<0.56	A				0.0005	
Gross beta	0.293	<1.85	A				0.030	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19
 (FDHE01) Florida Dept of Health Environmental Laboratory
 PO Box 680069
 Orlando, FL 32868-0069

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.20	<0.56	A				0.11	
Gross beta	0.14	<1.85	A				0.05	

Radiological Reference Date: August 1, 2008

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

Laboratory Results For MAPEP-08-GrW19
 (FMEC99) Foods and Water Laboratories Center
 Ministry of Regional Municipalities and Water Resources
 Muscat, Sultanate of Oman 111

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	NR	<0.56						
Gross beta	NR	<1.85						

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19
 (GENE01) GEL Laboratories, LLC
 2040 Savage Road
 Charleston, SC 29407

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.158	<0.56	A				0.043	
Gross beta	0.260	<1.85	A				0.041	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19
 (HCAL01) Hazards Control Analytical Lab
 Lawrence Livermore National
 Livermore, CA 94551

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.10	<0.56	A				0.02	
Gross beta	0.13	<1.85	A				.02	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19
 (HECR01) SC Dept. Health and Environmental Control Radiological Laboratory
 2600 Bull St.
 Columbia, SC 29201

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.182	<0.56	A				0.158	
Gross beta	0.0549	<1.85	A				0.0599	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (ISUP01) ISU - Department of Physics/Health Physics/EAL
 785 S. 8th Ave, Rm 120
 Pocatello, ID 83209-8106

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.06	<0.56	A				0.02	
Gross beta	0.18	<1.85	A				0.04	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

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

Laboratory Results For MAPEP-08-GrW19
 (KDHE01) Kansas Dept. of Health & Environment
 Forbes Bldg. 740
 Topeka, KS 66620

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.0842	<0.56	A				0.0126	
Gross beta	0.2162	<1.85	A				0.0324	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

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

Laboratory Results For MAPEP-08-GrW19
 (LOCK01) ICP Analytical Services Laboratories
 CH2M-WG Idaho, LLC
 Idaho Falls, ID 83415-5210

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.023	<0.56	A				0.052	
Gross beta	0.187	<1.85	A				0.087	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (LOCK03) Advanced Test Reactor (ATR) Complex Radioanalytical Laboratory
 INL/Battelle Energy Alliance, LLC
 Scoville, ID 83415-7111

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.066	<0.56	A				0.049	
Gross beta	0.18	<1.85	A				0.11	

Radiological Reference Date: August 1, 2008

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(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19

(MART01) USEC, Inc.

Lab COC, Bldg. X-710, Rm 222

Piketon, OH 45661-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.15022	<0.56	A				0.0566	
Gross beta	0.15614	<1.85	A				0.0651	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (MART02) United States Enrichment Corporation
 PO Box 1410
 Paducah, KY 42002

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.13	<0.56	A				0.05	
Gross beta	0.02	<1.85	A				0.05	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (MART03) Radioactive Material Analysis Laboratory
 ORNL
 Oak Ridge, TN 37831-6223

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.042	<0.56	A				0.048	
Gross beta	0.12	<1.85	A				0.07	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19

(MKME01) MKM Engineers, Inc

5025 Arnold Ave

McClellan, CA 95652

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	11.16	<0.56	N	(1)			.61	
Gross beta	23.75	<1.85	N	(1)			.58	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (NARL01) National Air and Radiation Environmental Laboratory
 540 S. Morris Ave.
 Montgomery, AL 36115-2601

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.04	<0.56	A				0.16	
Gross beta	0.166	<1.85	A				0.076	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19

(NESI01) B&W Technical Services-Radioisotope & Analytical Chemistry Laboratory

Lynchburg Technology Center

Lynchburg, VA 24504-5447

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.090	<0.56	A				0.017	
Gross beta	0.14	<1.85	A				0.009	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (NJDH01) New Jersey Dept. of Health & Senior Services, PHEL, ECLS
 Market and Warren Streets
 Trenton, NJ 08625-0361

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.146	<0.56	A				0.017	
Gross beta	0.152	<1.85	A				0.018	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (NRLL99) National Radiation Laboratory
 108 Victoria St
 Christchurch, Christchurch 8144

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.0336	<0.56	A				0.0086	
Gross beta	0.368	<1.85	A				0.038	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (OBGL01) Life Science Laboratories, Inc.
 5000 Brittonfield Pkwy, Ste. 200
 East Syracuse, NY 13057

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.1569	<0.56	A				0.0909	
Gross beta	0.1204	<1.85	A				0.0545	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (ODHL01) Ohio Department of Health Laboratory
 8995 E Main Street
 Reynoldsburg, OH 43068

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.11	<0.56	A				0.08	
Gross beta	0.14	<1.85	A				0.11	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (ORIS01) ORISE/ESSAP
 PO Box 117
 Oak Ridge, TN 37831-0117

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.15	<0.56	A				0.03	
Gross beta	0.19	<1.85	A				0.03	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19

(OTLI01) Outreach Technologies, Inc.

311 N. Aspen

Broken Arrow, OK 74012-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross beta	.107	<1.85	A				.080	
Gross alpha	0.067	<0.56	A				0.032	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19

(QUAN01) TestAmerica St. Louis

13715 Rider Trail North

Earth City, MO 63045-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.0587	<0.56	A				0.011	
Gross beta	0.141	<1.85	A				0.0131	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (QUAN03) TestAmerica
 2800 GEORGE WASHINGTON WAY
 RICHLAND, WA 99354-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.063	<0.56	A				0.014	
Gross beta	0.195	<1.85	A				0.037	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (RPCR01) WRPS RadCon Program Count Room
 2440 Steven Drive
 Richland, WA 99352

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	NR	<0.56						
Gross beta	NR	<1.85						

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (RPSC01) Radiation Protection Service
 Ontario Ministry of Labour
 Weston, Ontario M9P 3T1

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.06	<0.56	A				.01	
Gross beta	0.09	<1.85	A				.01	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (SCAL01) GPL Laboratories Alabama, LLC
 1000 Monticello Court
 Montgomery, AL 36117-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.115	<0.56	A				0.052	
Gross beta	0.070	<1.85	A				0.019	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (SEML01) SRS Environmental Monitoring Laboratory
 Bldg 735-B
 Aiken, SC 29808

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.088	<0.56	A				0.074	
Gross beta	0.908	<1.85	A				0.145	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19

(SNRC99) Soreq NRC

Radioactivity Measurement Section

Yavne, Israel 81800

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.13	<0.56	A				0.03	
Gross beta	0.25	<1.85	A				0.05	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (SOUT01) Southwest Research Institute
 6220 Culebra Rd.
 San Antonio, TX 78228-0510

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.103	<0.56	A				0.036	
Gross beta	0.148	<1.85	A				0.042	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (TDHL01) Texas Department of State Health Services Laboratory
 1100 W 49th Street
 Austin, TX 78756

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.089	<0.56	A				.033	
Gross beta	.118	<1.85	A				.056	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (TELE01) TELEDYNE BROWN ENGINEERING - ENVIRONMENTAL SERVICES
 2508 Quality Lane
 Knoxville, TN 37931-6819

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.0612	<0.56	A				0.124	
Gross beta	0.222	<1.85	A				0.103	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (TELE02) Environmental, Inc., Midwest Lab
 700 Landwehr Road
 Northbrook, IL 60062-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.08	<0.56	A				0.04	
Gross beta	0.12	<1.85	A				0.05	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (TMAO01) EBERLINE SERVICES OAK RIDGE LABORATORY
 601 SCARBORO RD
 OAK RIDGE, TN 37830-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross beta	0.085	<1.85	A				0.111	
Gross alpha	0.096	<0.56	A				0.089	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (TMAR01) Eberline Services
 2030 Wright Ave
 Richmond, CA 94804-3849

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.10	<0.56	A				0.08	
Gross beta	0.08	<1.85	A				0.08	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19

(TNUT01) FUSRAP
 8945 LATTY AVE
 BERKELEY, MO 63134-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.0168	<0.56	A				0.0494	
Gross beta	0.0899	<1.85	A				0.0705	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (USED99) National Center for Energy, Science and Nuclear Tech.
 CNESTEN BP 1382
 RP 10001

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.0293	<0.56	A				0.0672	
Gross beta	0.0419	<1.85	A				0.2045	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (WEST03) Waste Sampling and Characterization Facility
 PO Box 1000, S3-30
 Richland, WA 99352

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.058	<0.56	A				0.03	
Gross beta	0.041	<1.85	A				0.041	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (WEST04) PACE ANALYTICAL SERVICES, PITTSBURGH
 1638 Roseytown Road
 Greensburg, PA 15601

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.082	<0.56	A				0.056	
Gross beta	0.073	<1.85	A				0.036	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (WSHL01) Wisconsin State Laboratory of Hygiene
 2601 Agriculture Drive
 Madison, WI 53718

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.13	<0.56	A				0.09	
Gross beta	0.14	<1.85	A				0.09	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (WVDP01) WVDP Environmental Laboratory
 10282 Rock Springs Road
 West Valley, NY 14171

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.0796	<0.56	A				0.0233	
Gross beta	0.116	<1.85	A				0.0310	

Radiological Reference Date: August 1, 2008

The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive



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

Laboratory Results For MAPEP-08-GrW19
 (WVNS01) West Valley Process Chemistry
 10282 Rock Springs Road
 West Valley, NY 14171-9799

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.172	<0.56	A				0.0289	
Gross beta	0.151	<1.85	A				0.0249	

Radiological Reference Date: August 1, 2008

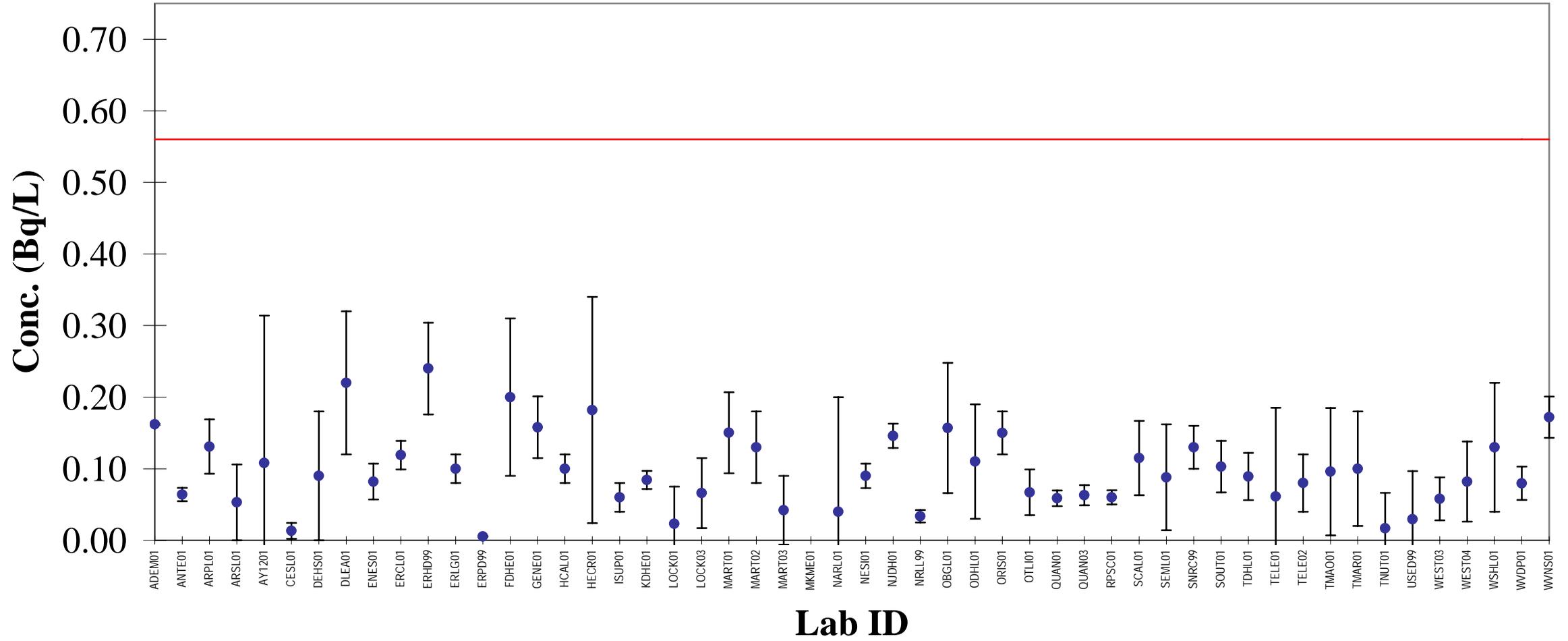
The MAPEP-08-GrW19 water standard was designed to test the Safe Drinking Water screening levels of 0.56 Bq/L (15 pCi/L) for gross alpha and 1.85 Bq/L (50 pCi/L) found in 40CFR141. Laboratories reporting values less than or equal to these screening levels were found to be Acceptable (A). Laboratories reporting values greater than these were found to be Not Acceptable (N).

Notes:

(1) = False Positive

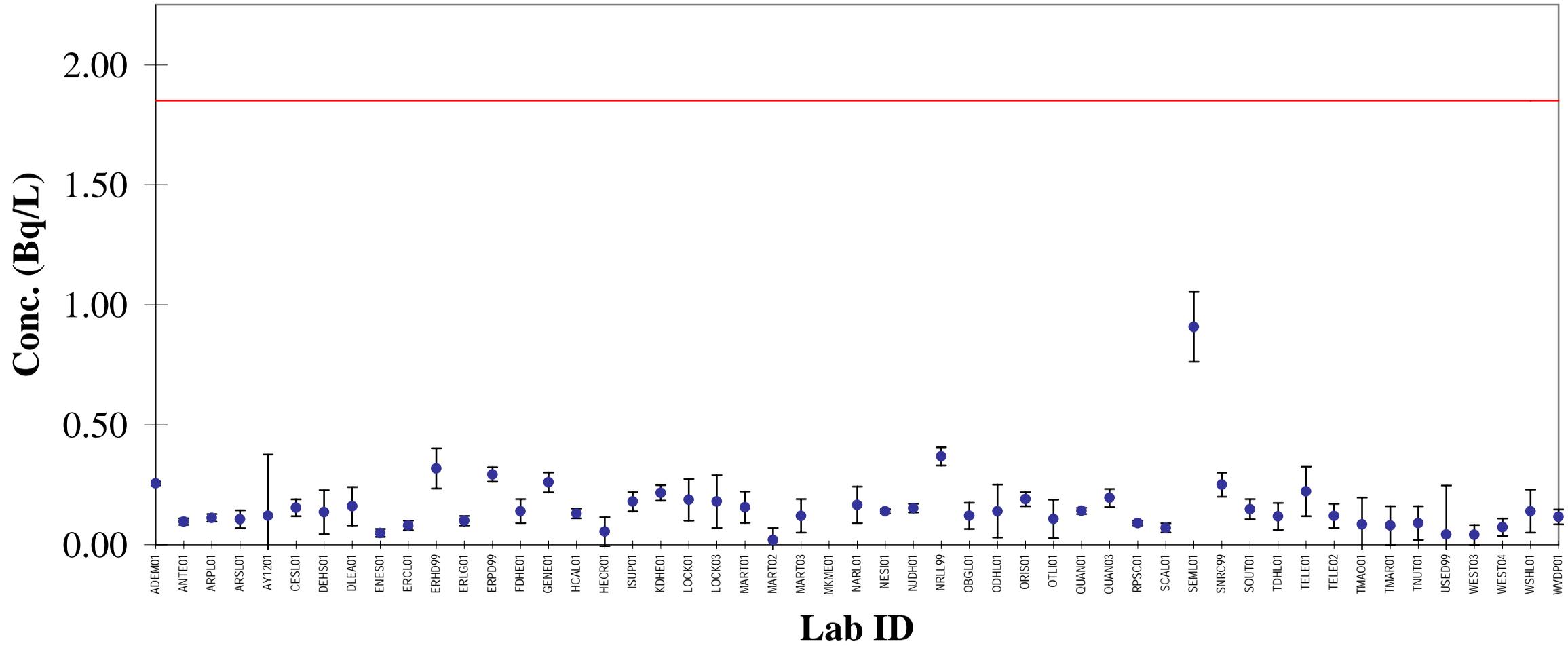
Gross alpha MAPEP-08-GrW19

● Lab Result
— Ref. Value < 0.56

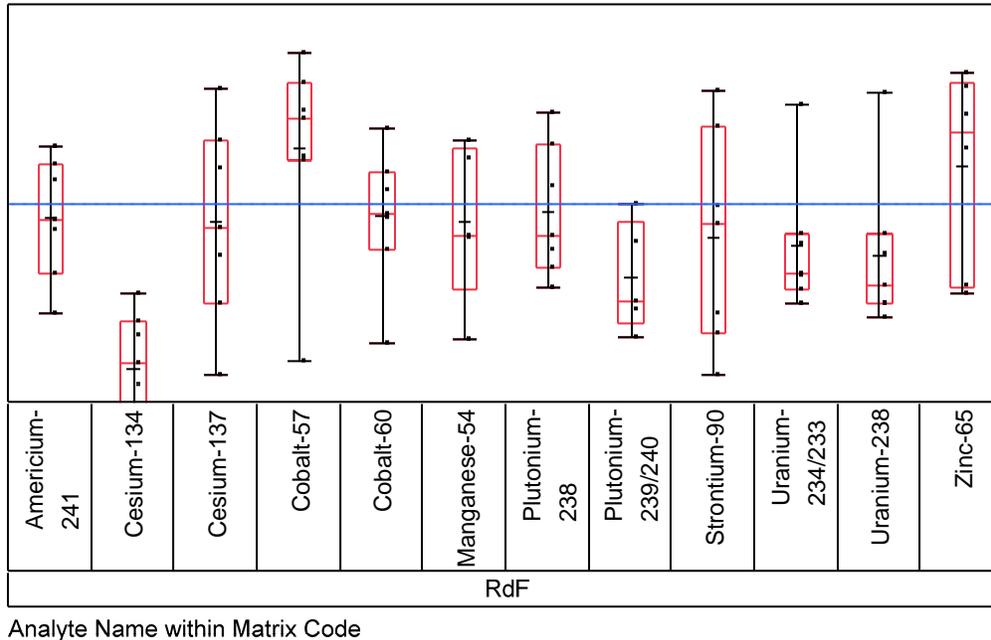


Gross beta MAPEP-08-GrW19

● Lab Result
— Ref. Value < 1.85



The intent of the historical graphs contained within this report is to graphically illustrate how laboratories are historically performing within the MAPEP program. The data points (small 'dots') plot the bias (or z-score for organic constituents) of each of the analytes in each of the matrices for each of the studies for MAPEP since Series 12. The BLACK small horizontal line is the mean of the population of the bias shown for that analyte in the matrix. The red box is a typical "box plot" of the data.



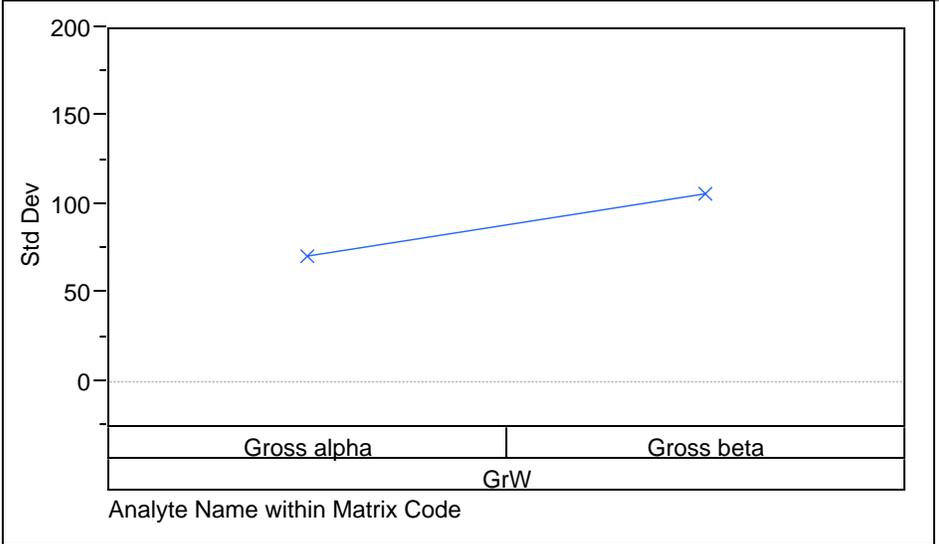
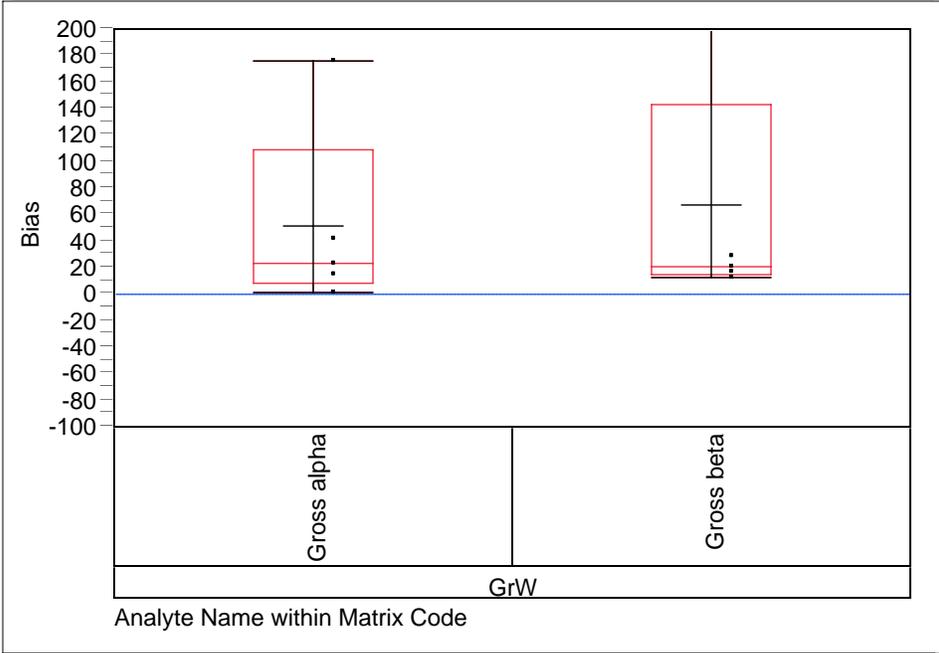
The box plots summarize the distribution of points for each analyte. The ends of the box are the 25th and 75th quantiles. The difference between the quartiles is the interquartile range. The line across the middle of the box identifies the median sample value. Each box has lines, sometimes called whiskers, that extend from each end. The whiskers extend from the ends of the box to the outermost data point that falls within the distances computed.

The box plot along with the laboratory bias data points and the mean visually illustrate the breadth of the distribution and where any potential outliers in the distribution might lie. The ideal visual representation would be to have a very small box plot on top of a very small distribution of data thus indicating very good precision. Accuracy would be reflected by having the mean bias very close to zero (i.e. the box plot overlaps zero at some point).

The Standard Deviation plot below the Bias plot is just that, the standard deviation of the % bias shown above. The ideal plot would be to have the standard deviation as small as possible.

Variability Gauge Lab Code=ADEM01

Variability Chart for Bias

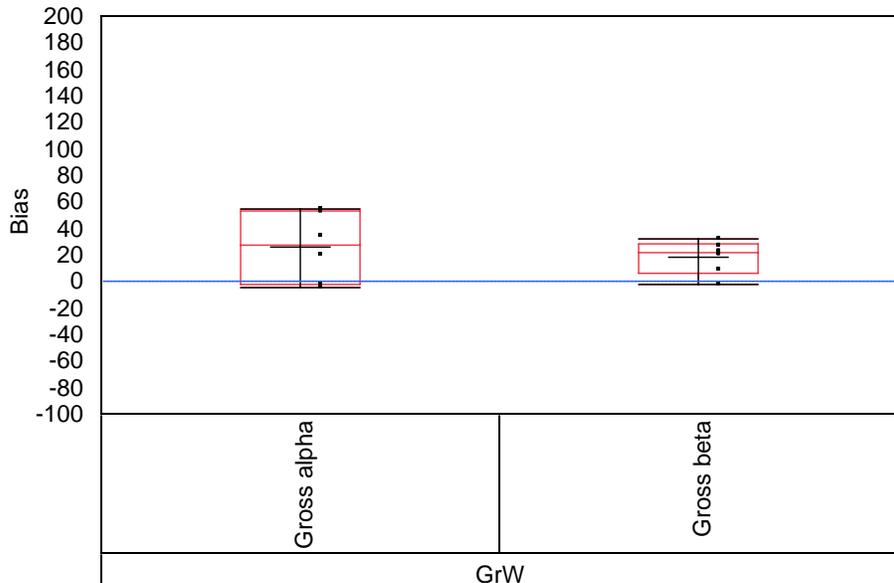


Variability Gauge Lab Code=AFOH01

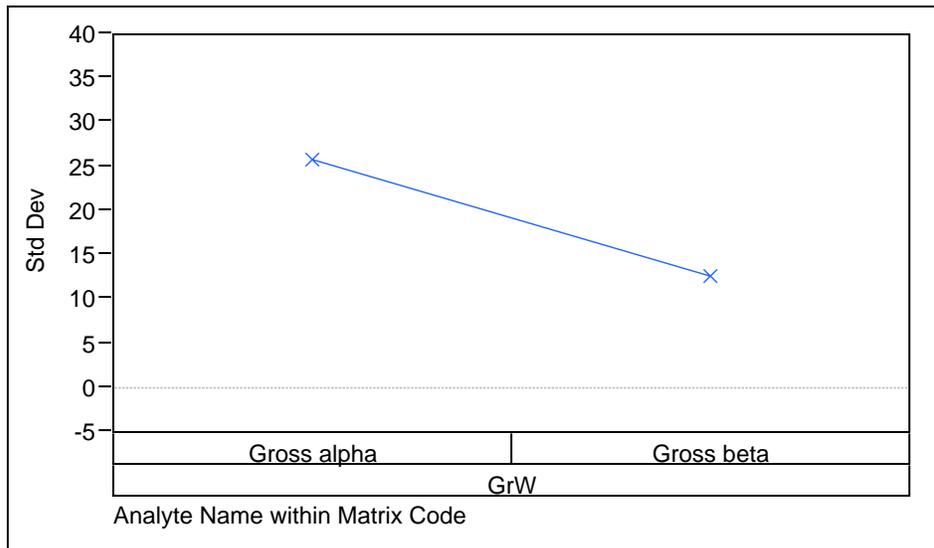
Variability Chart for Bias

Variability Gauge Lab Code=AFOH01

Variability Chart for Bias



Analyte Name within Matrix Code



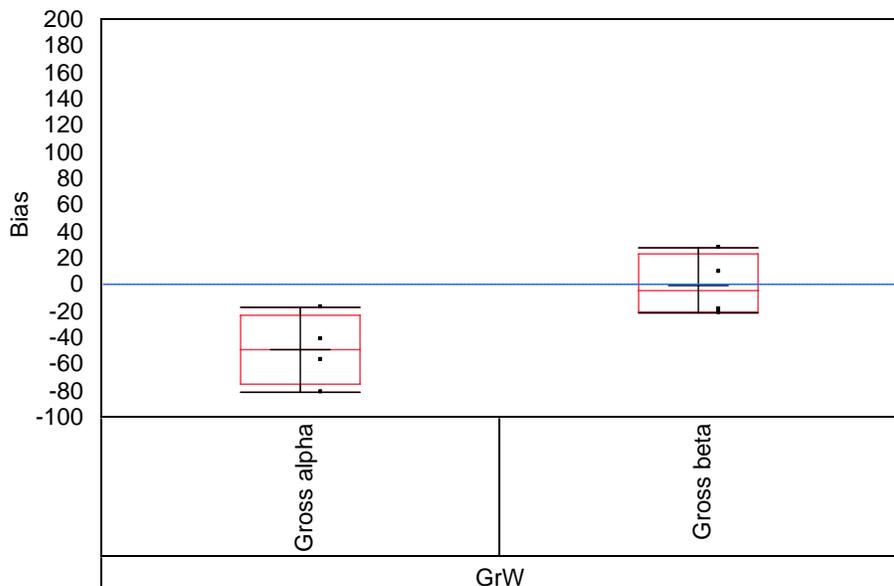
Analyte Name within Matrix Code

Variability Gauge Lab Code=ANLA01

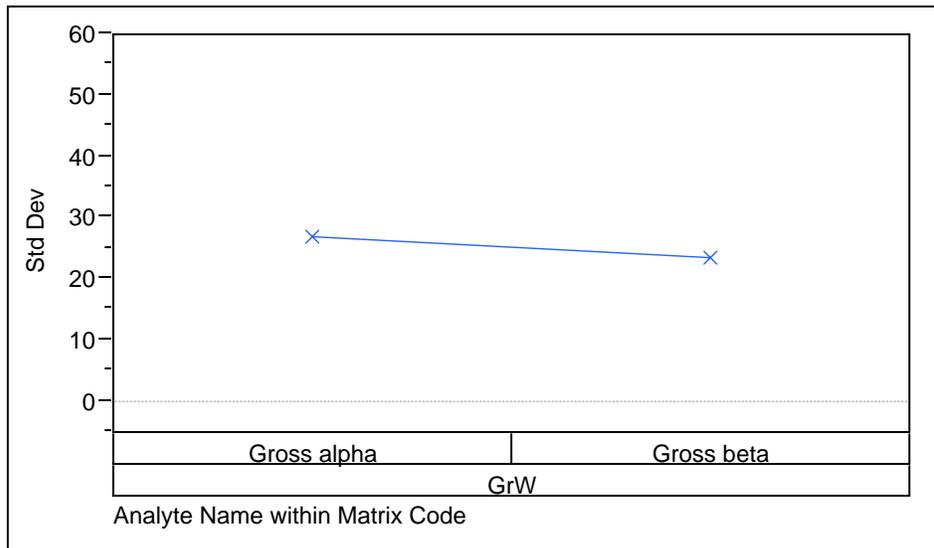
Variability Chart for Bias

Variability Gauge Lab Code=ANLA01

Variability Chart for Bias



Analyte Name within Matrix Code



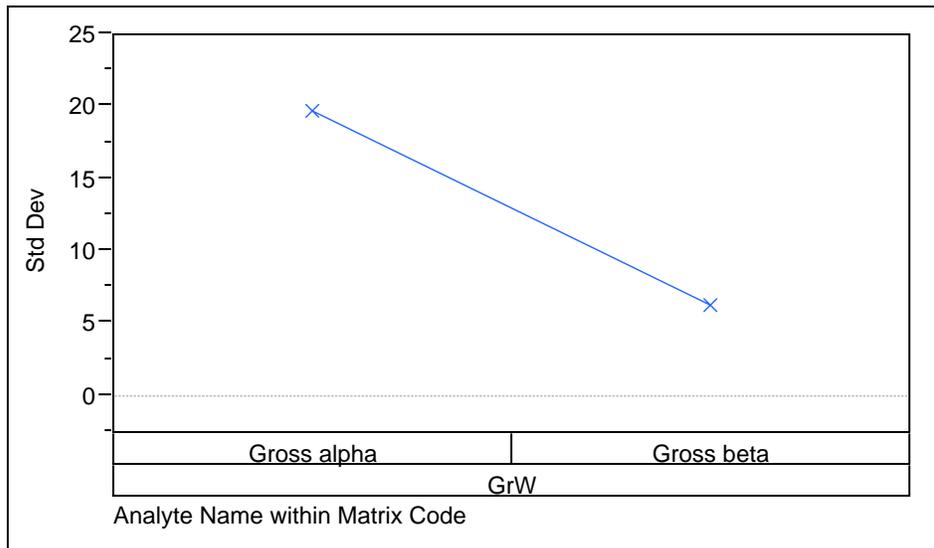
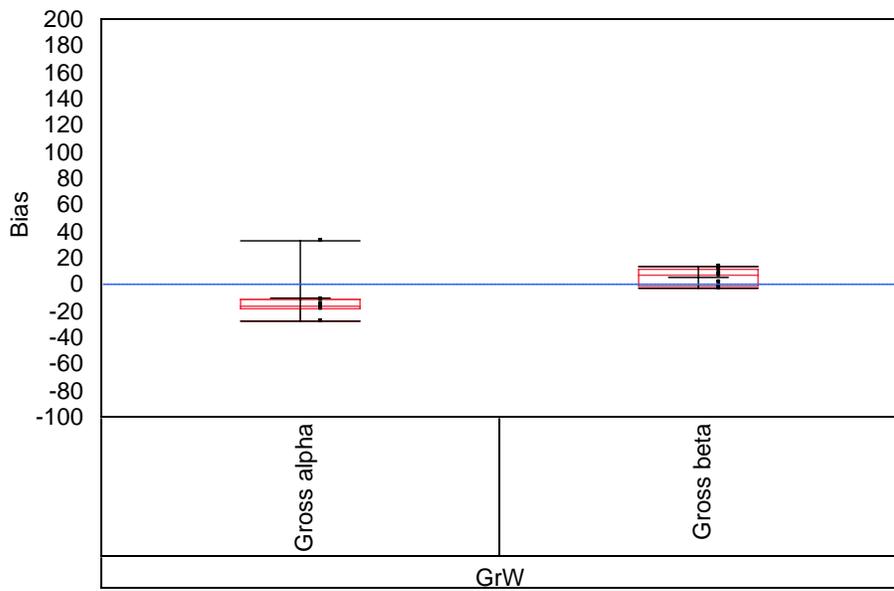
Analyte Name within Matrix Code

Variability Gauge Lab Code=ANTE01

Variability Chart for Bias

Variability Gauge Lab Code=ANTE01

Variability Chart for Bias

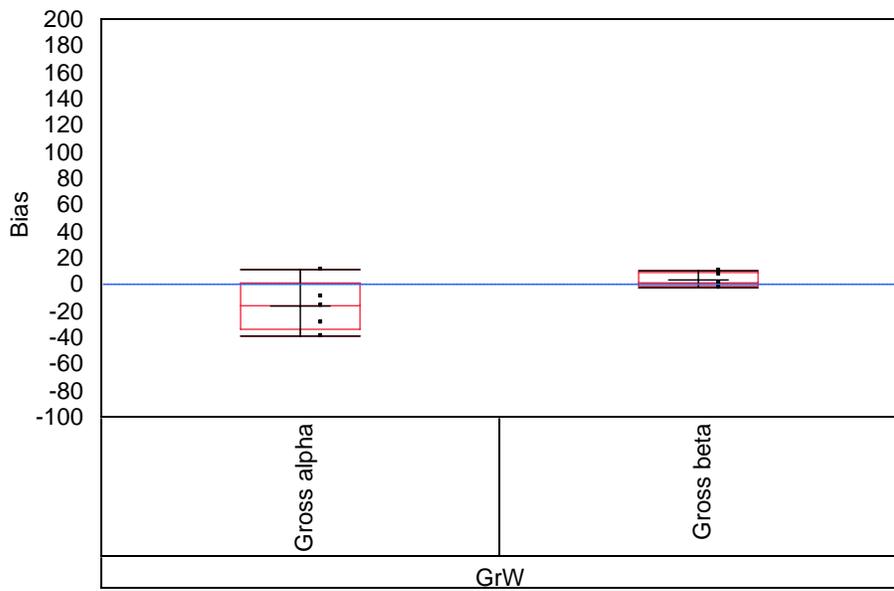


Variability Gauge Lab Code=ARPL01

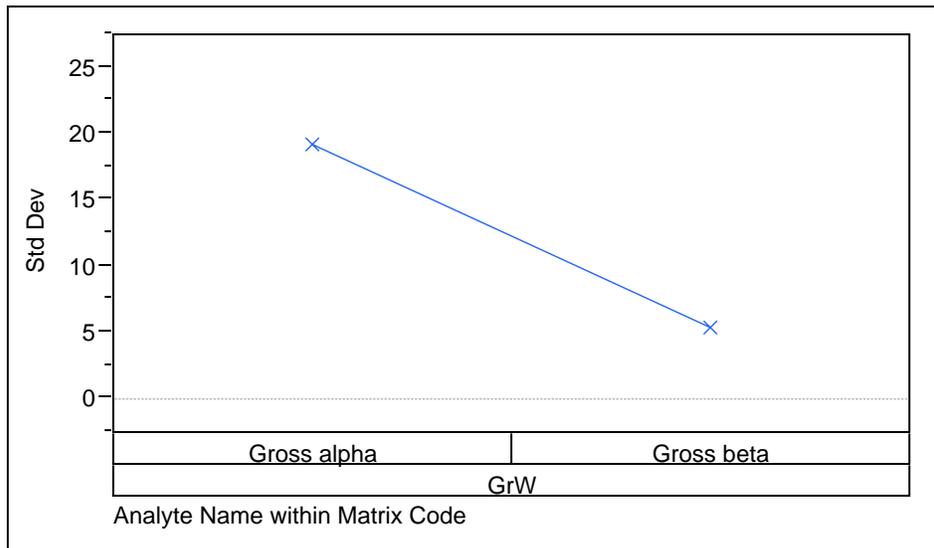
Variability Chart for Bias

Variability Gauge Lab Code=ARPL01

Variability Chart for Bias



Analyte Name within Matrix Code



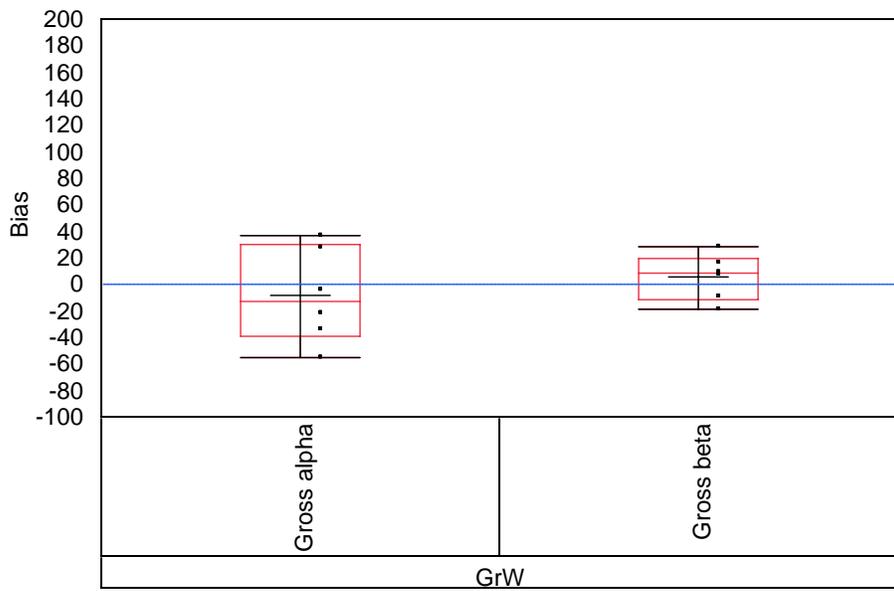
Analyte Name within Matrix Code

Variability Gauge Lab Code=ARSL01

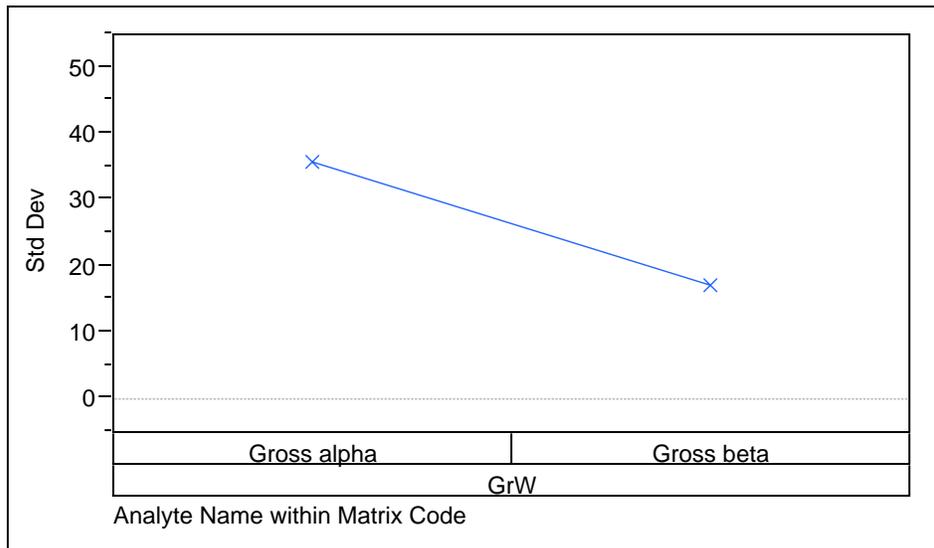
Variability Chart for Bias

Variability Gauge Lab Code=ARSL01

Variability Chart for Bias



Analyte Name within Matrix Code



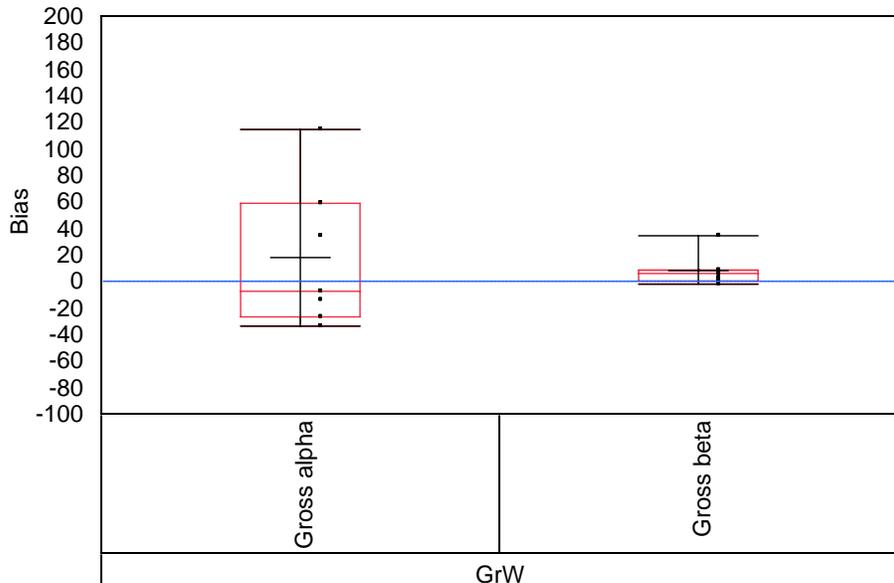
Analyte Name within Matrix Code

Variability Gauge Lab Code=ATLI01

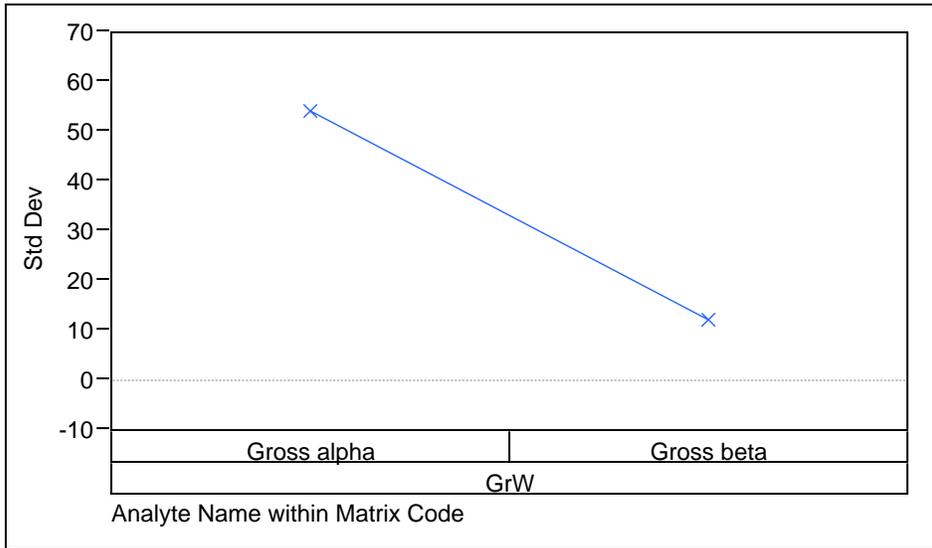
Variability Chart for Bias

Variability Gauge Lab Code=ATLI01

Variability Chart for Bias



Analyte Name within Matrix Code



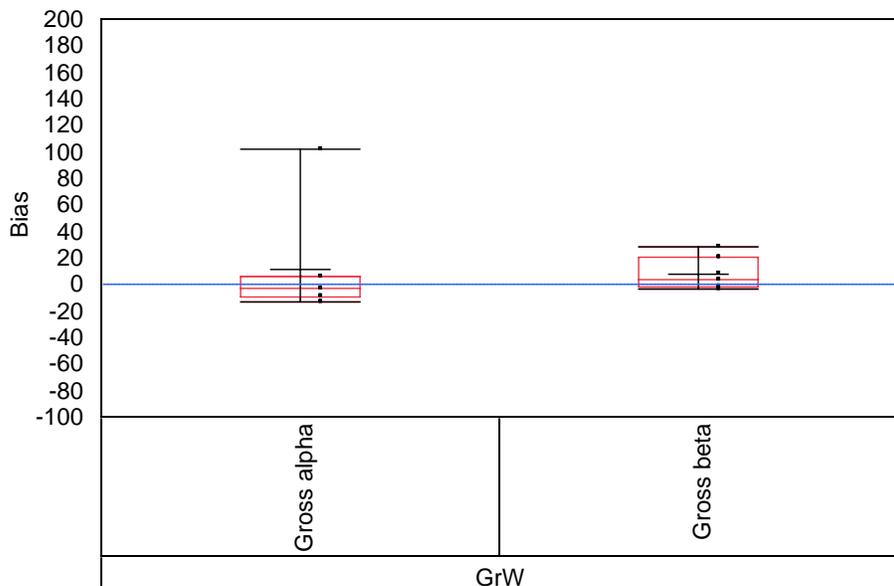
Analyte Name within Matrix Code

Variability Gauge Lab Code=AY1201

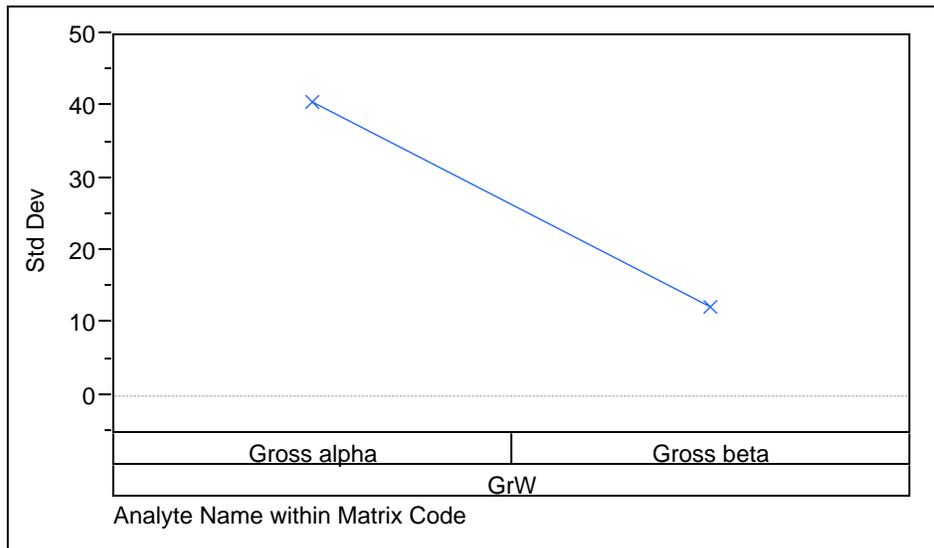
Variability Chart for Bias

Variability Gauge Lab Code=AY1201

Variability Chart for Bias



Analyte Name within Matrix Code



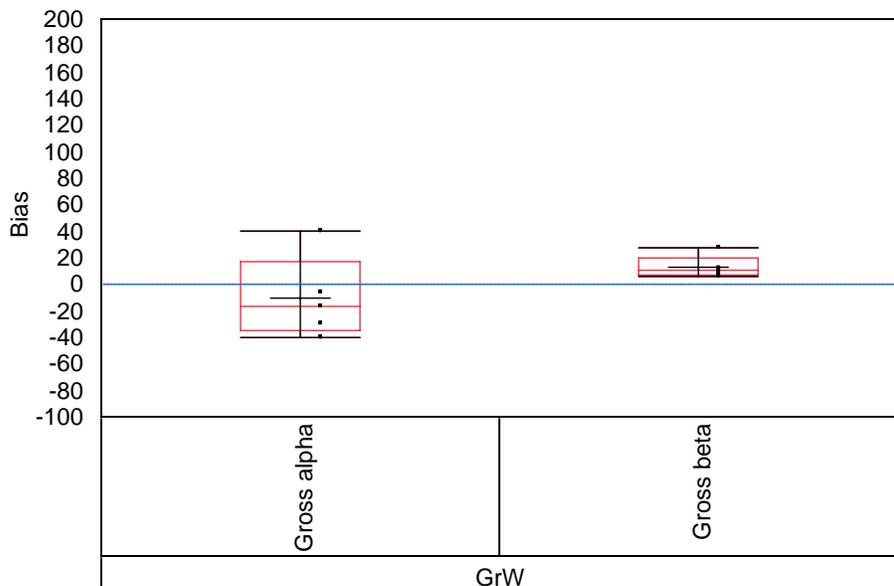
Analyte Name within Matrix Code

Variability Gauge Lab Code=CDHS01

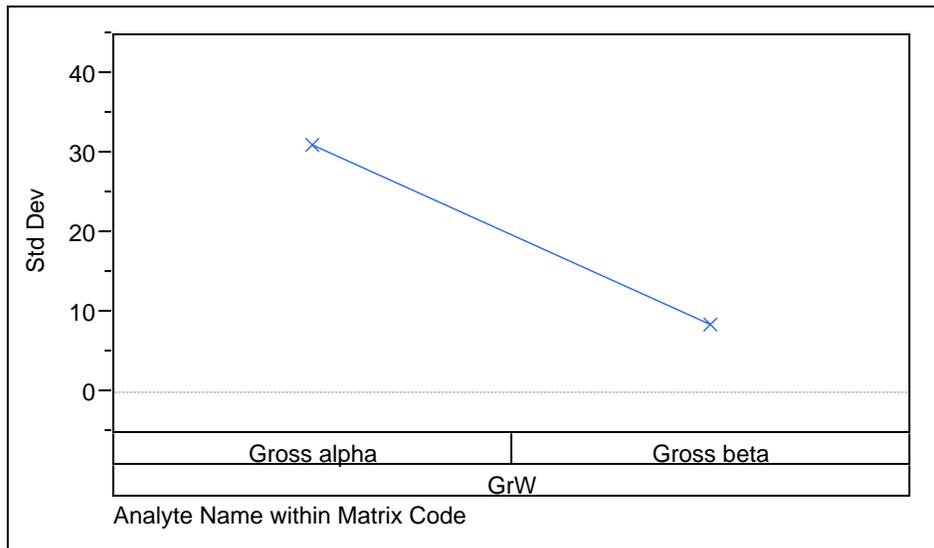
Variability Chart for Bias

Variability Gauge Lab Code=CDHS01

Variability Chart for Bias



Analyte Name within Matrix Code



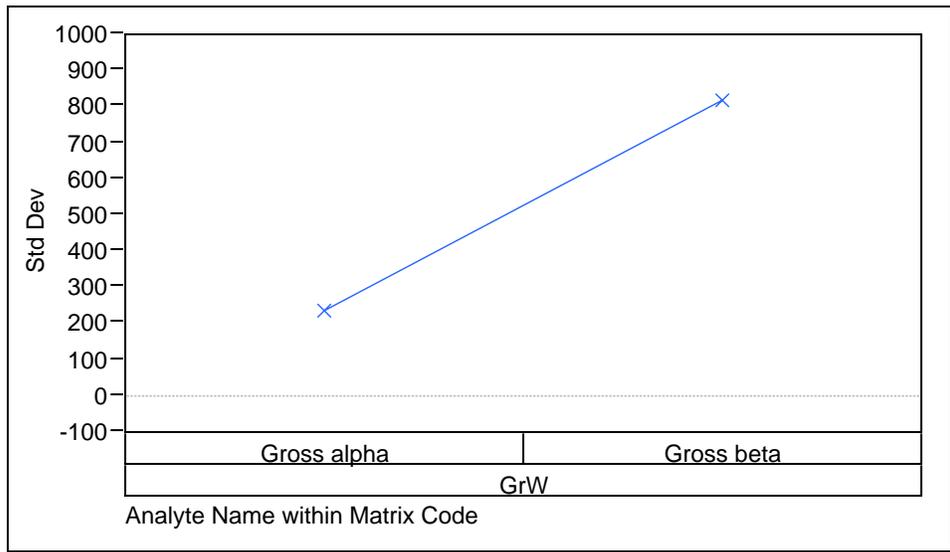
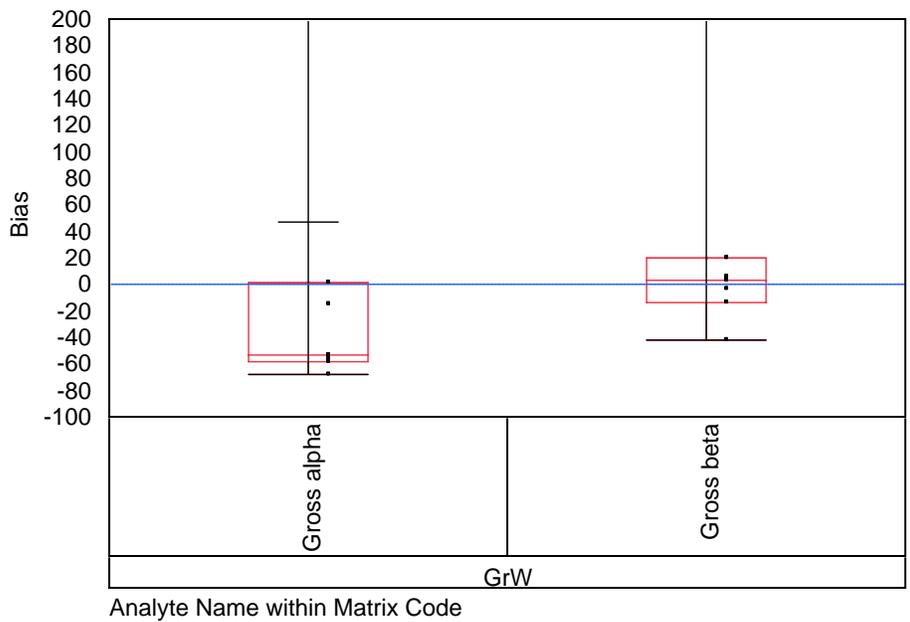
Analyte Name within Matrix Code

Variability Gauge Lab Code=CESL01

Variability Chart for Bias

Variability Gauge Lab Code=CESL01

Variability Chart for Bias

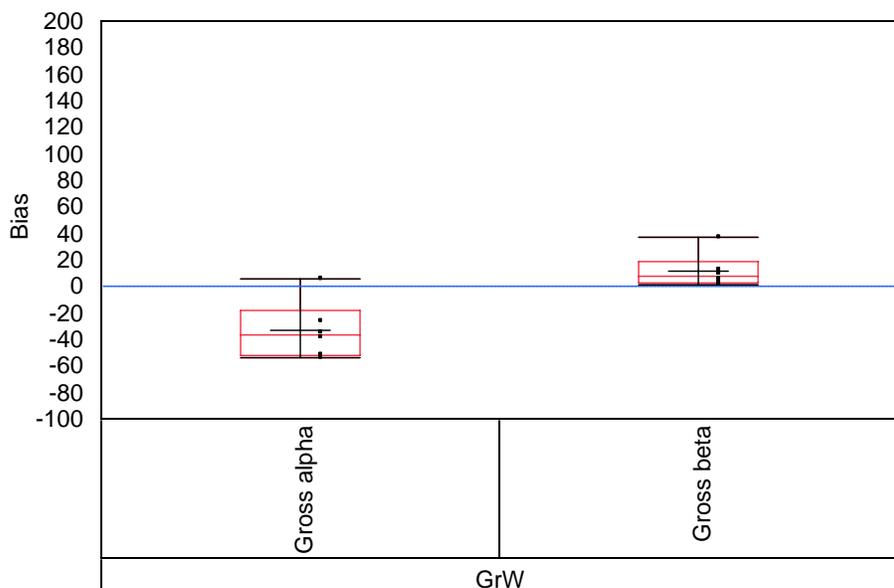


Variability Gauge Lab Code=CHMH01

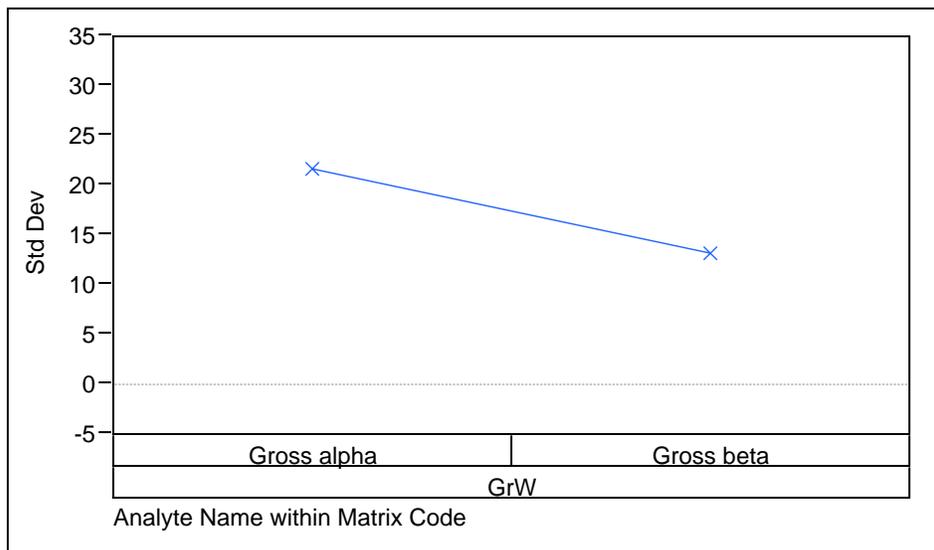
Variability Chart for Bias

Variability Gauge Lab Code=CHMH01

Variability Chart for Bias



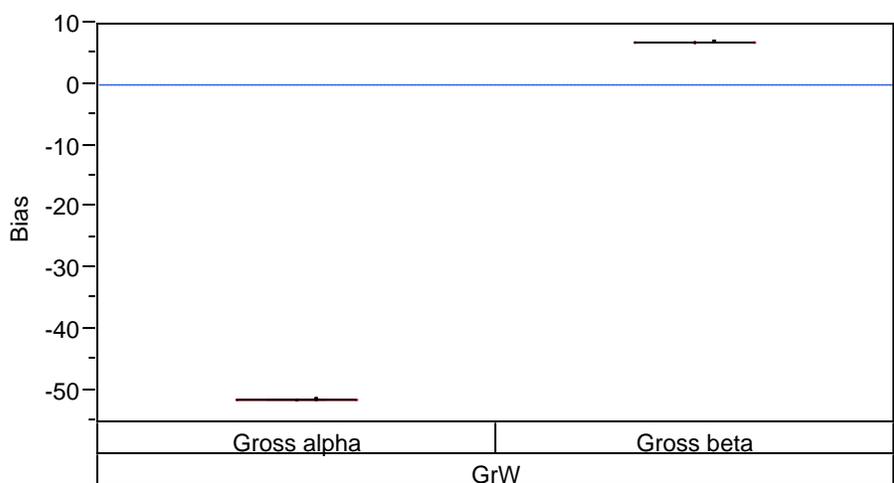
Analyte Name within Matrix Code



Analyte Name within Matrix Code

Variability Gauge Lab Code=CMRC01

Variability Chart for Bias



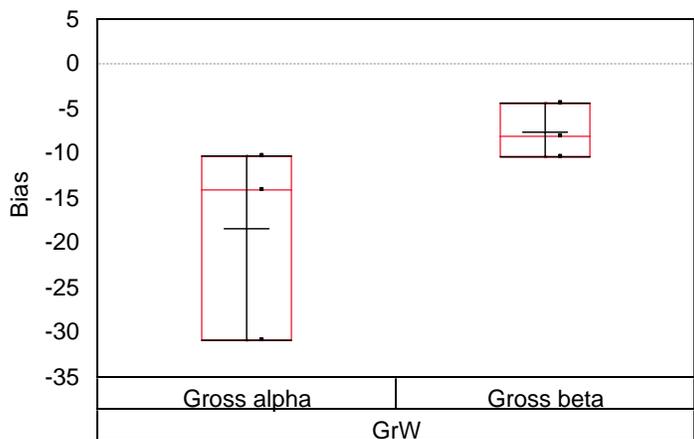
Analyte Name within Matrix Code

Variability Gauge Lab Code=CORE02

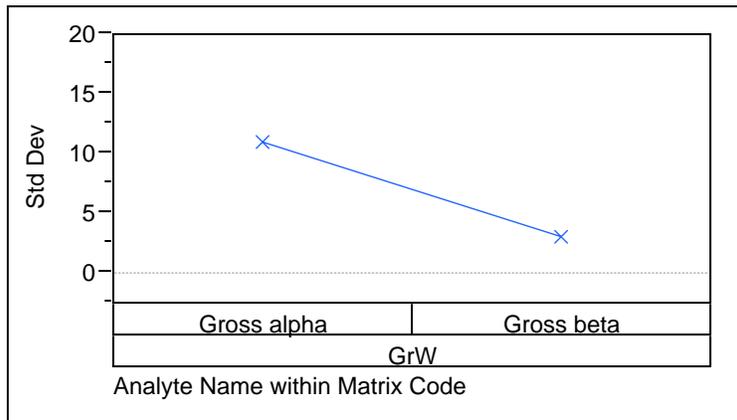
Variability Chart for Bias

Variability Gauge Lab Code=CORE02

Variability Chart for Bias



Analyte Name within Matrix Code



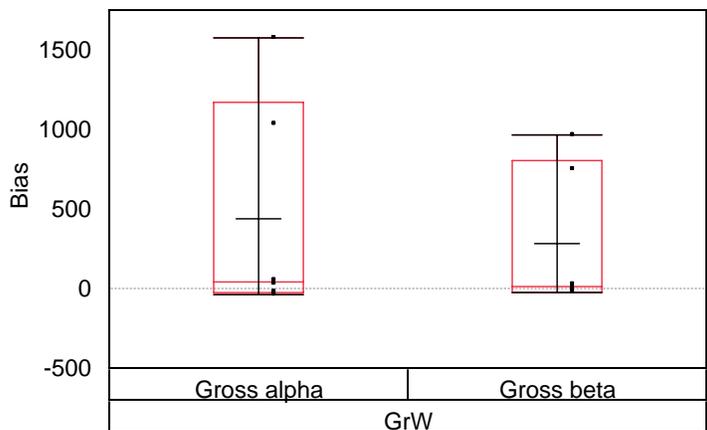
Analyte Name within Matrix Code

Variability Gauge Lab Code=DEHS01

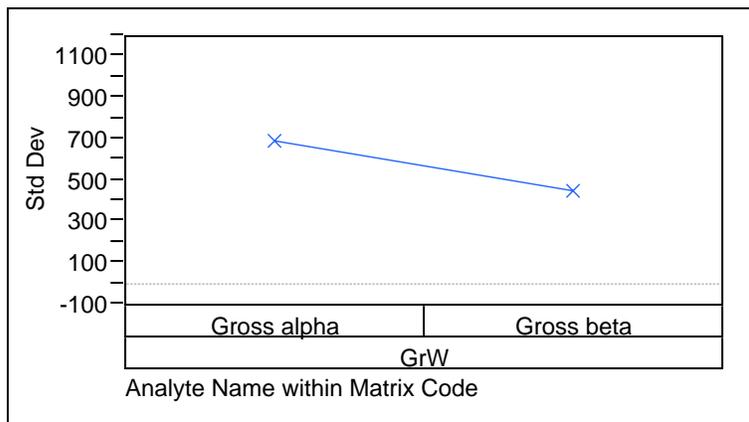
Variability Chart for Bias

Variability Gauge Lab Code=DEHS01

Variability Chart for Bias



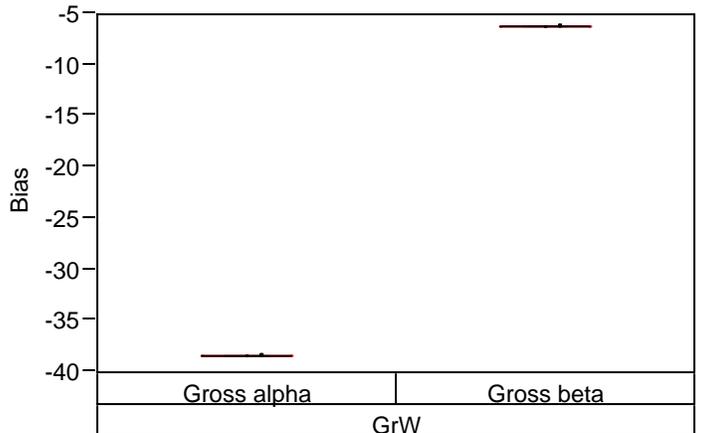
Analyte Name within Matrix Code



Analyte Name within Matrix Code

Variability Gauge Lab Code=DRMG01

Variability Chart for Bias



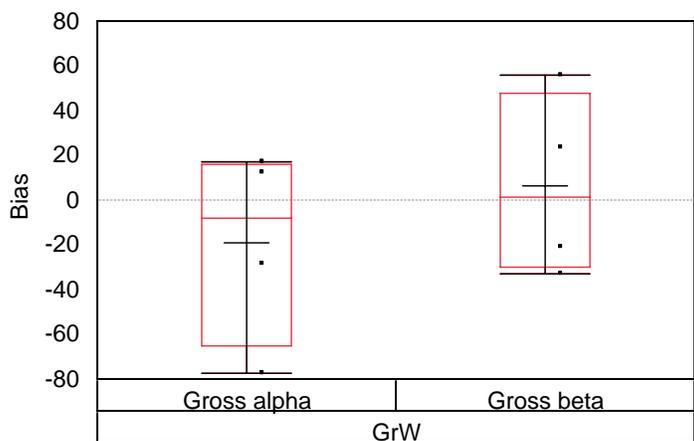
Analyte Name within Matrix Code

Variability Gauge Lab Code=ENES01

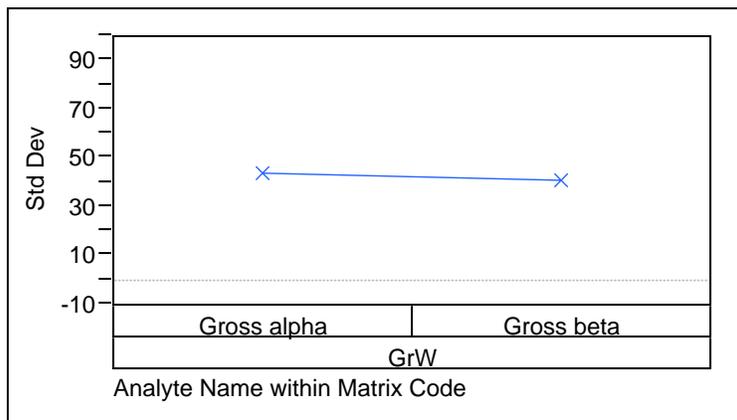
Variability Chart for Bias

Variability Gauge Lab Code=ENES01

Variability Chart for Bias



Analyte Name within Matrix Code



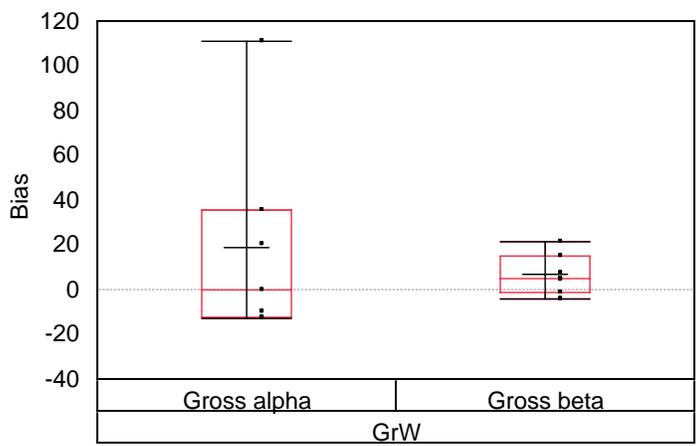
Analyte Name within Matrix Code

Variability Gauge Lab Code=ERCL01

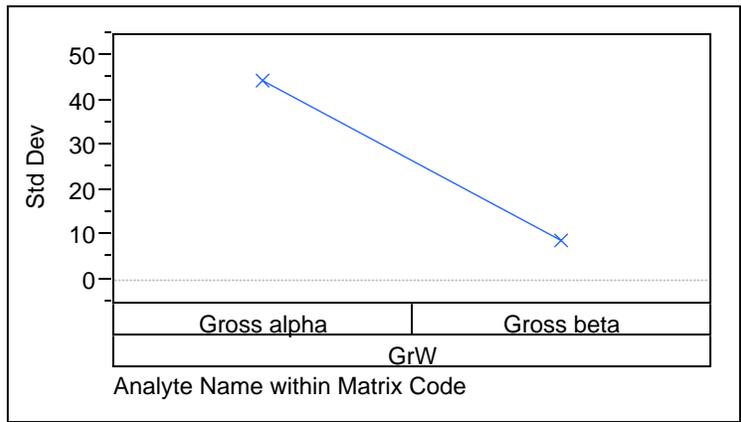
Variability Chart for Bias

Variability Gauge Lab Code=ERCL01

Variability Chart for Bias



Analyte Name within Matrix Code



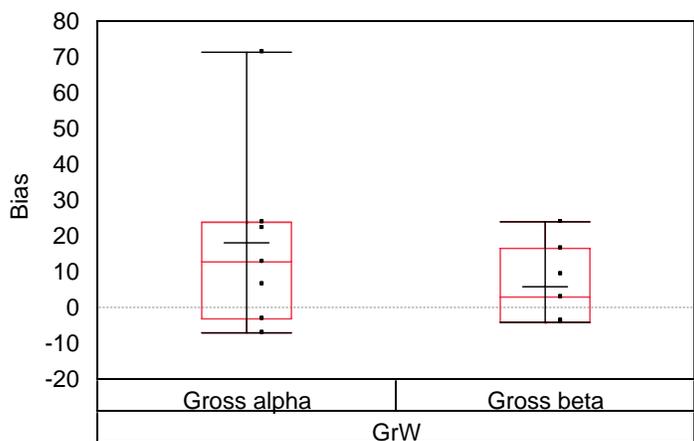
Analyte Name within Matrix Code

Variability Gauge Lab Code=ERLG01

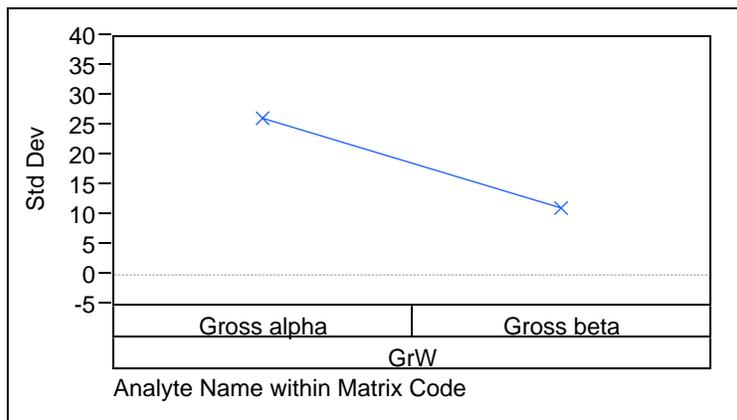
Variability Chart for Bias

Variability Gauge Lab Code=ERLG01

Variability Chart for Bias



Analyte Name within Matrix Code



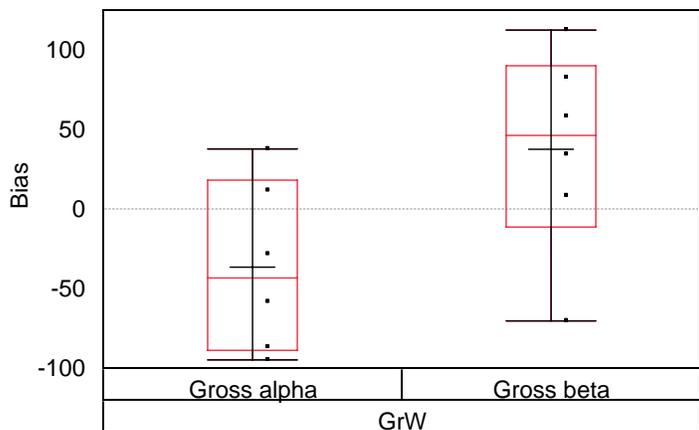
Analyte Name within Matrix Code

Variability Gauge Lab Code=ERPD99

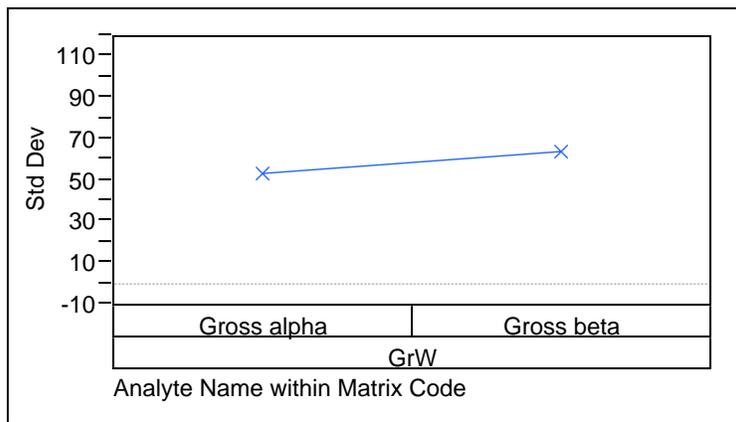
Variability Chart for Bias

Variability Gauge Lab Code=ERPD99

Variability Chart for Bias



Analyte Name within Matrix Code



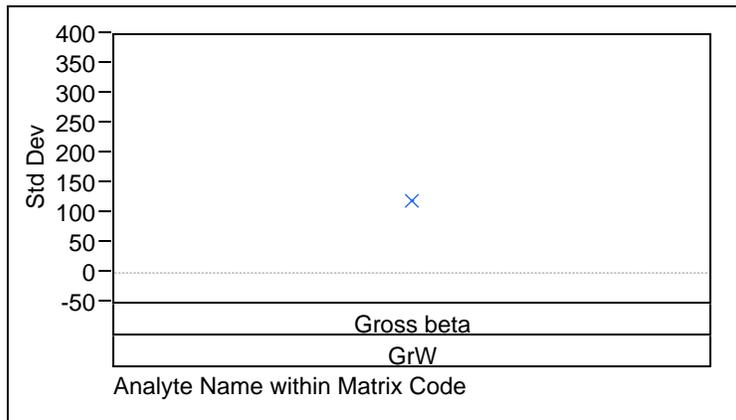
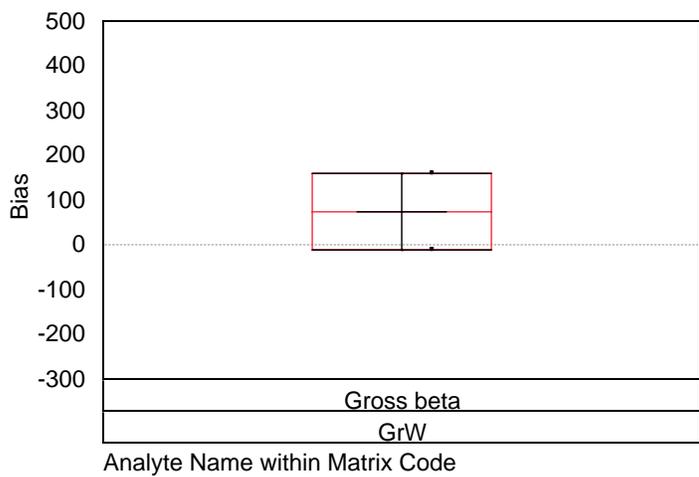
Analyte Name within Matrix Code

Variability Gauge Lab Code=ESDE01

Variability Chart for Bias

Variability Gauge Lab Code=ESDE01

Variability Chart for Bias

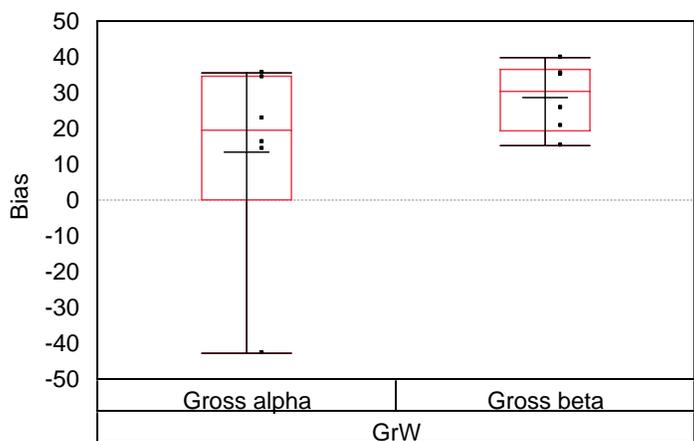


Variability Gauge Lab Code=FDHE01

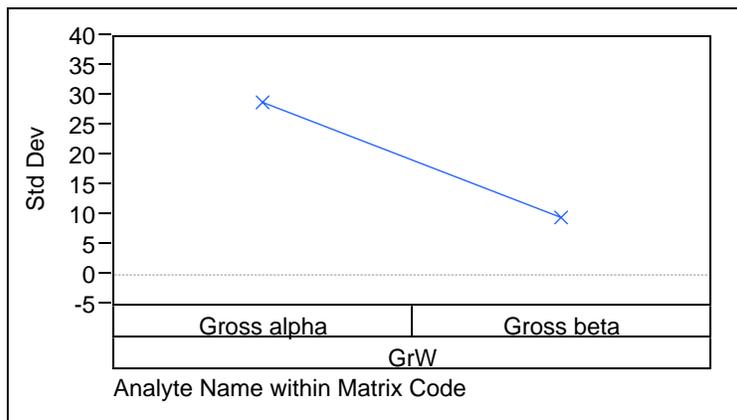
Variability Chart for Bias

Variability Gauge Lab Code=FDHE01

Variability Chart for Bias



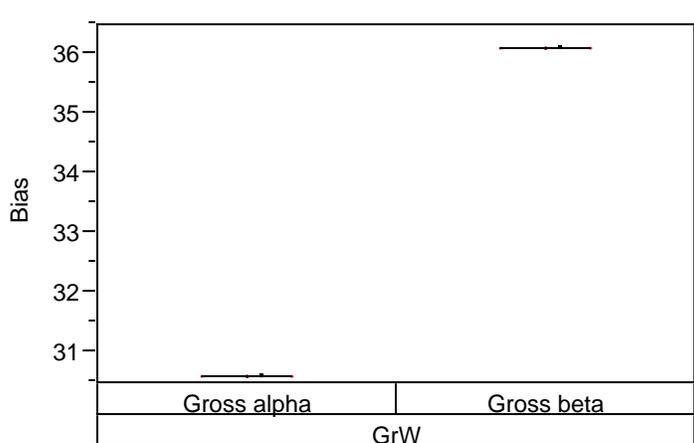
Analyte Name within Matrix Code



Analyte Name within Matrix Code

Variability Gauge Lab Code=FERM01

Variability Chart for Bias



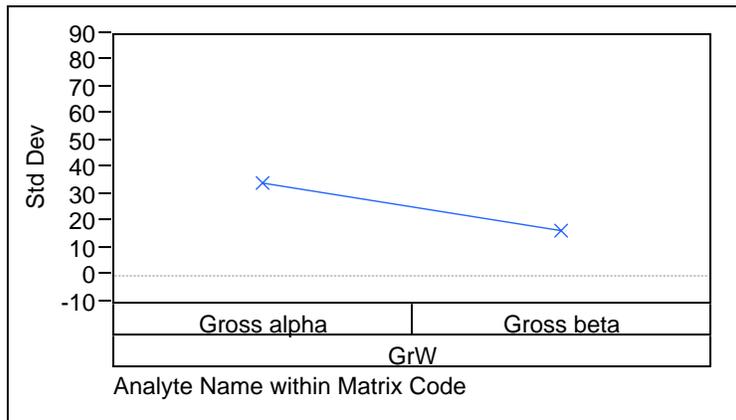
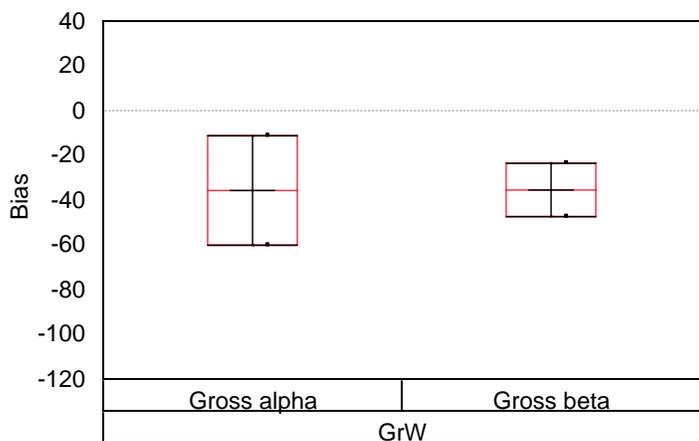
Analyte Name within Matrix Code

Variability Gauge Lab Code=FMEC99

Variability Chart for Bias

Variability Gauge Lab Code=FMEC99

Variability Chart for Bias

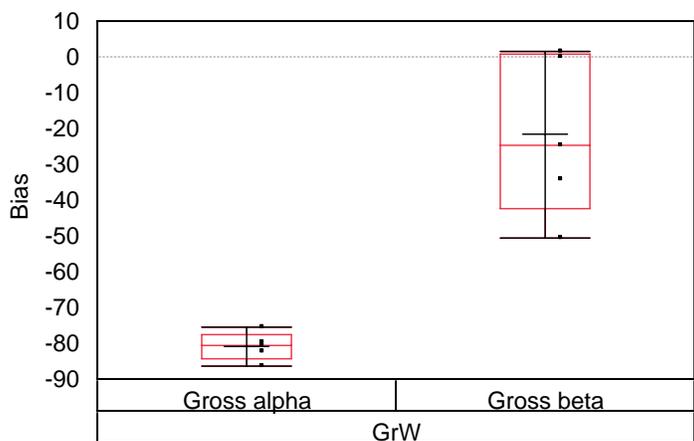


Variability Gauge Lab Code=FNAL01

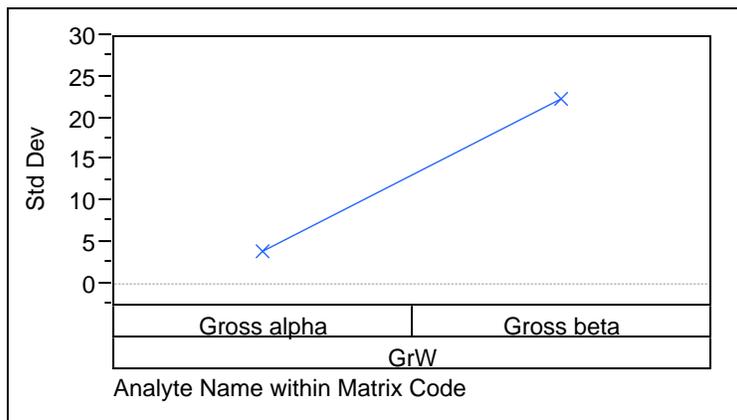
Variability Chart for Bias

Variability Gauge Lab Code=FNAL01

Variability Chart for Bias



Analyte Name within Matrix Code



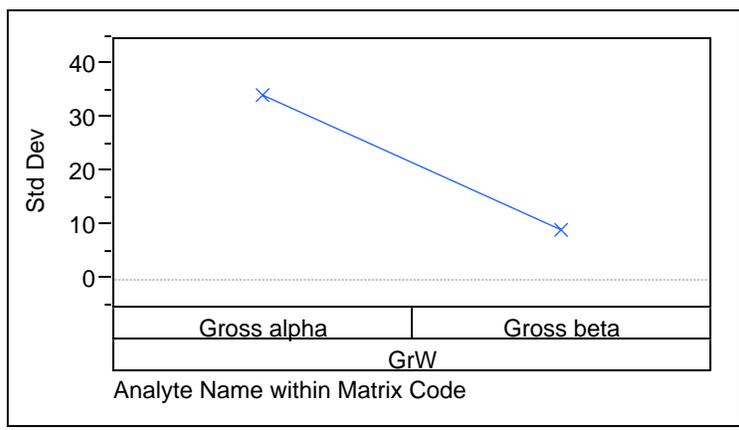
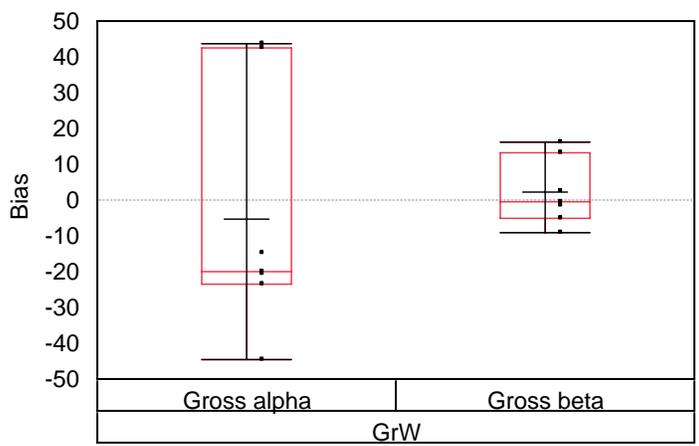
Analyte Name within Matrix Code

Variability Gauge Lab Code=GENE01

Variability Chart for Bias

Variability Gauge Lab Code=GENE01

Variability Chart for Bias

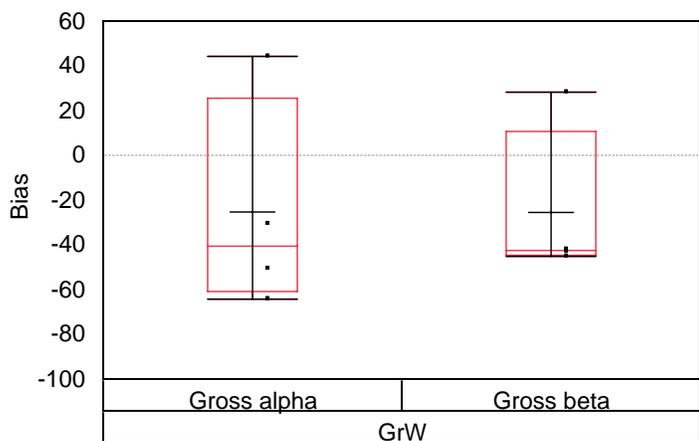


Variability Gauge Lab Code=GPLP01

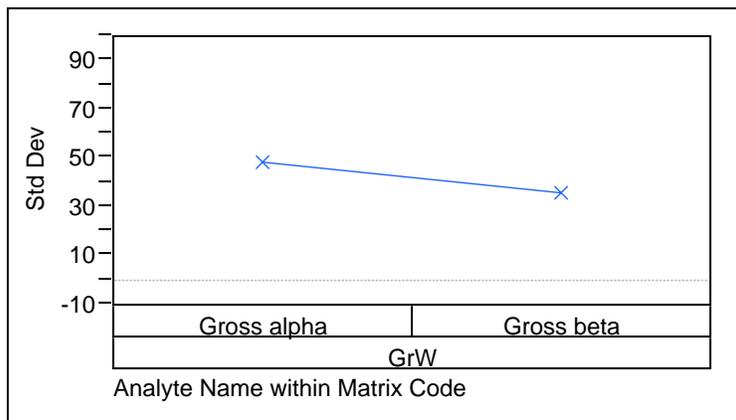
Variability Chart for Bias

Variability Gauge Lab Code=GPLP01

Variability Chart for Bias



Analyte Name within Matrix Code



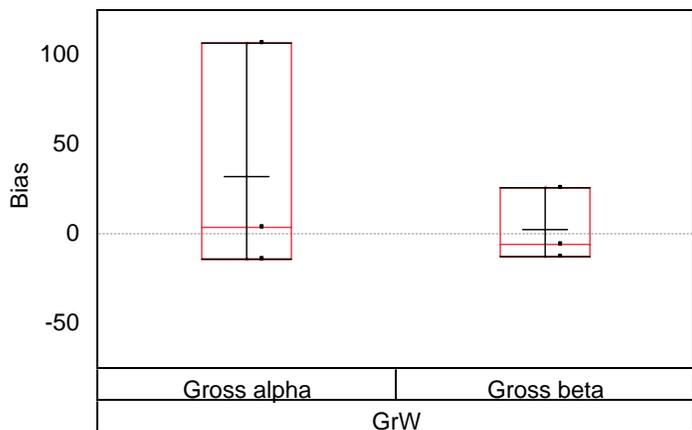
Analyte Name within Matrix Code

Variability Gauge Lab Code=GROW01

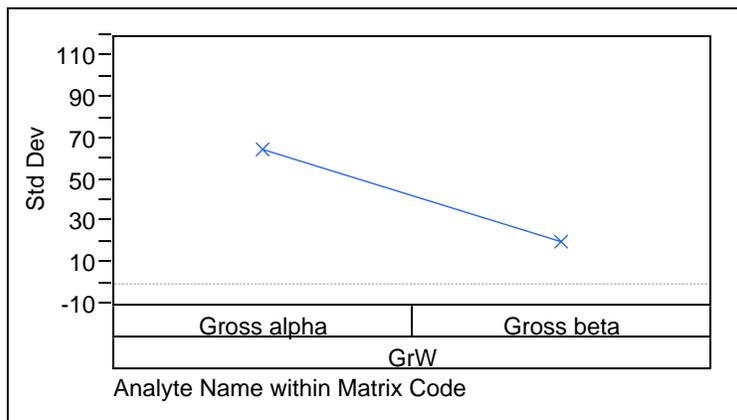
Variability Chart for Bias

Variability Gauge Lab Code=GROW01

Variability Chart for Bias



Analyte Name within Matrix Code



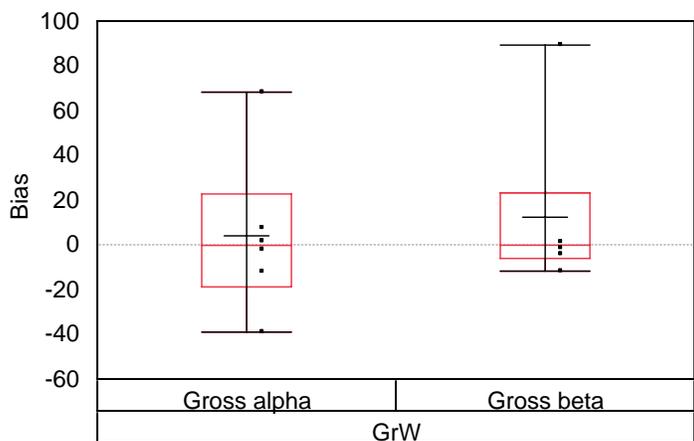
Analyte Name within Matrix Code

Variability Gauge Lab Code=HCAL01

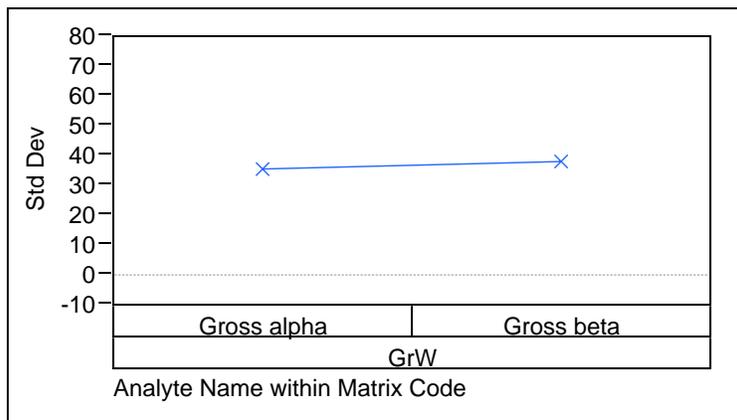
Variability Chart for Bias

Variability Gauge Lab Code=HCAL01

Variability Chart for Bias



Analyte Name within Matrix Code



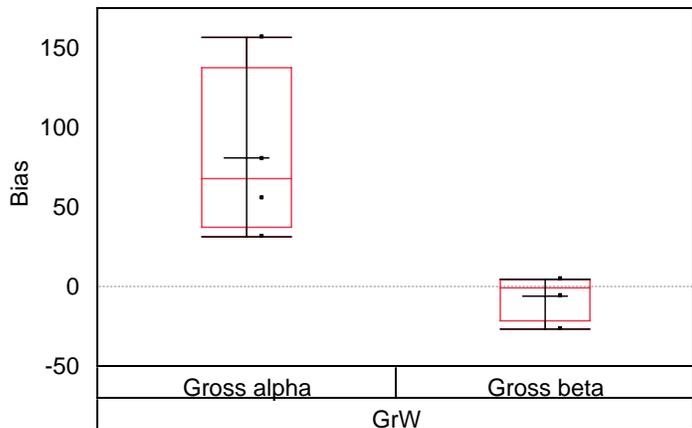
Analyte Name within Matrix Code

Variability Gauge Lab Code=HECR01

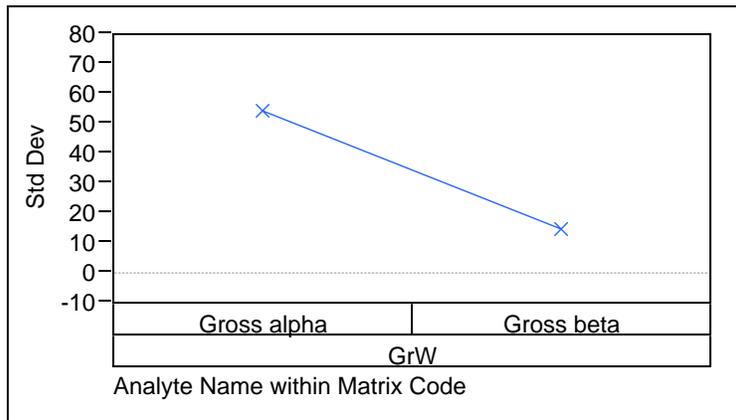
Variability Chart for Bias

Variability Gauge Lab Code=HECR01

Variability Chart for Bias



Analyte Name within Matrix Code



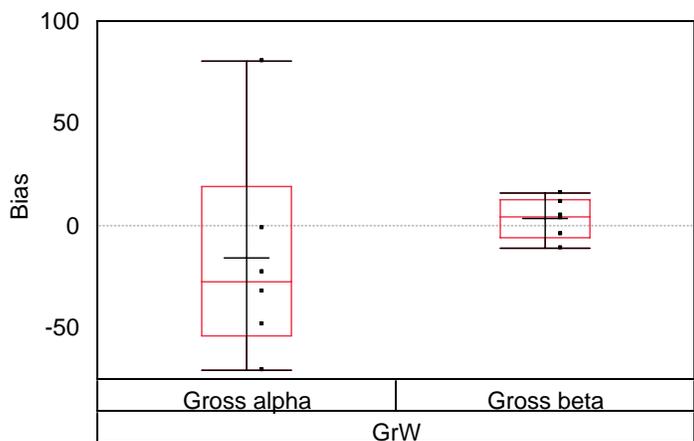
Analyte Name within Matrix Code

Variability Gauge Lab Code=HWRL01

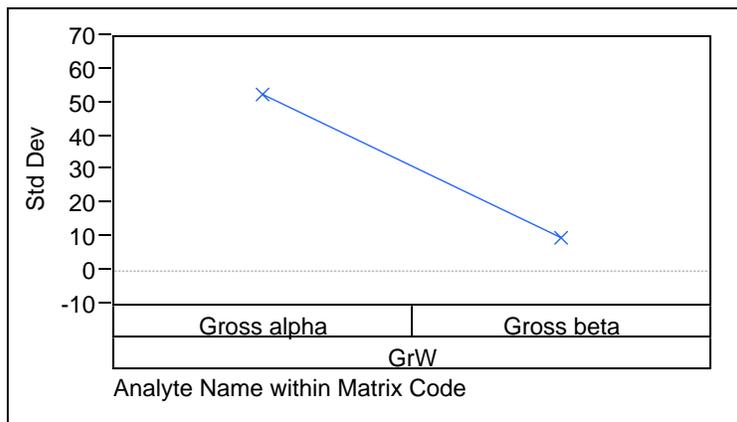
Variability Chart for Bias

Variability Gauge Lab Code=HWRL01

Variability Chart for Bias



Analyte Name within Matrix Code



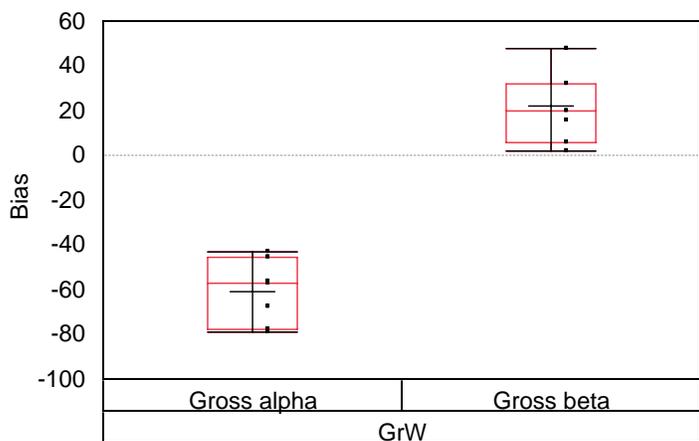
Analyte Name within Matrix Code

Variability Gauge Lab Code=ISUP01

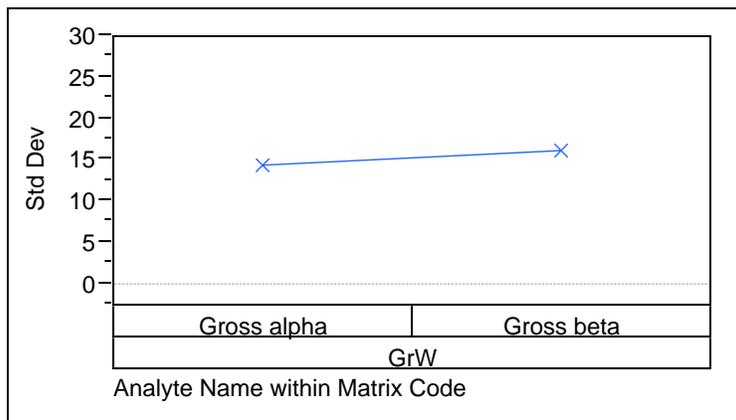
Variability Chart for Bias

Variability Gauge Lab Code=ISUP01

Variability Chart for Bias



Analyte Name within Matrix Code



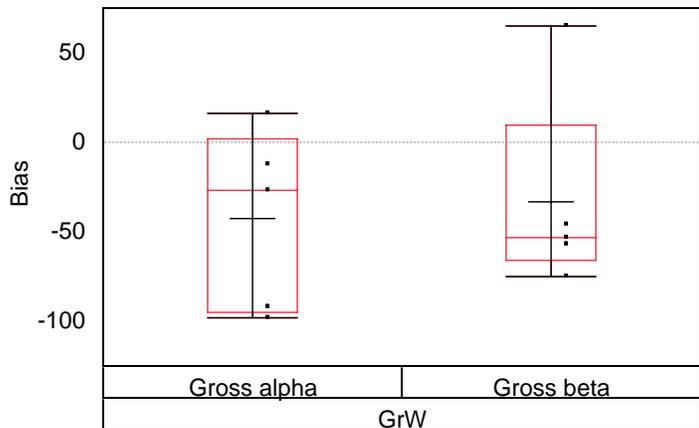
Analyte Name within Matrix Code

Variability Gauge Lab Code=JAEC99

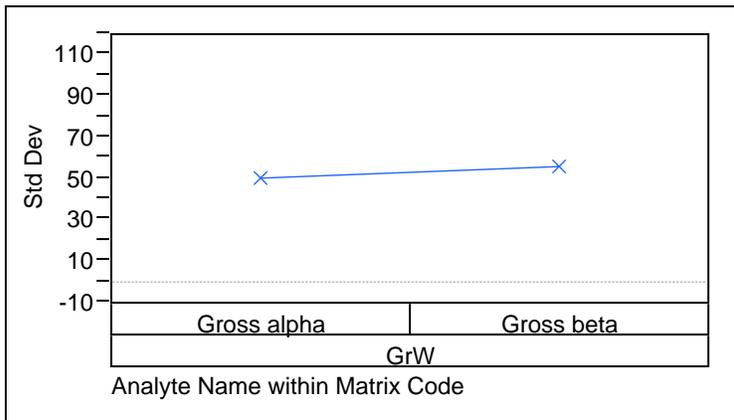
Variability Chart for Bias

Variability Gauge Lab Code=JAEC99

Variability Chart for Bias



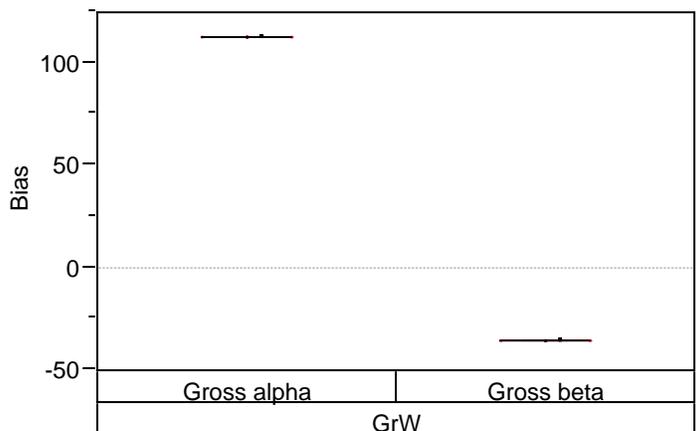
Analyte Name within Matrix Code



Analyte Name within Matrix Code

Variability Gauge Lab Code=KDHE01

Variability Chart for Bias



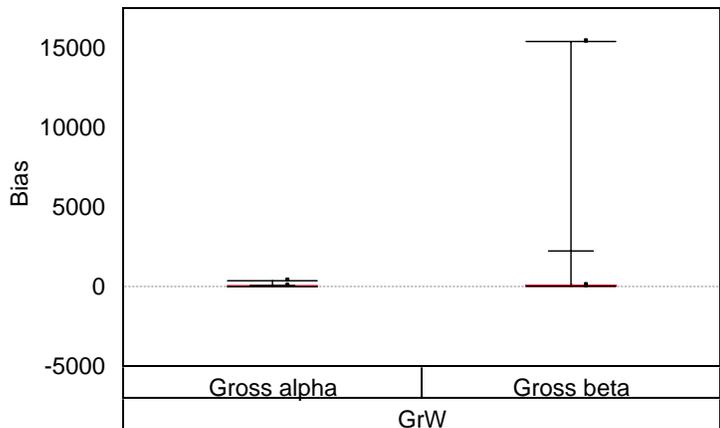
Analyte Name within Matrix Code

Variability Gauge Lab Code=LOCK01

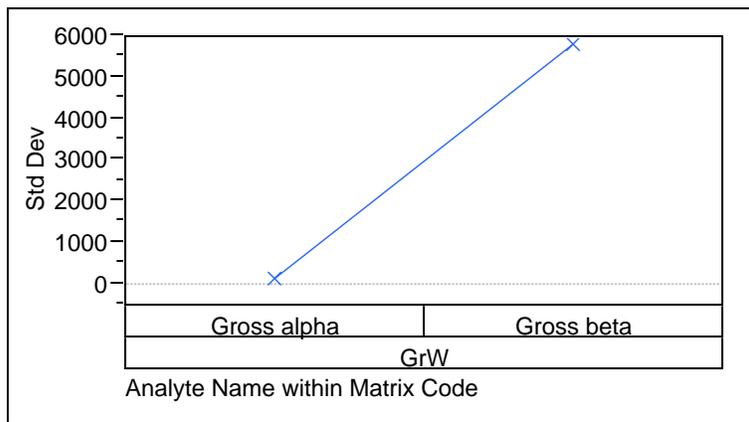
Variability Chart for Bias

Variability Gauge Lab Code=LOCK01

Variability Chart for Bias



Analyte Name within Matrix Code



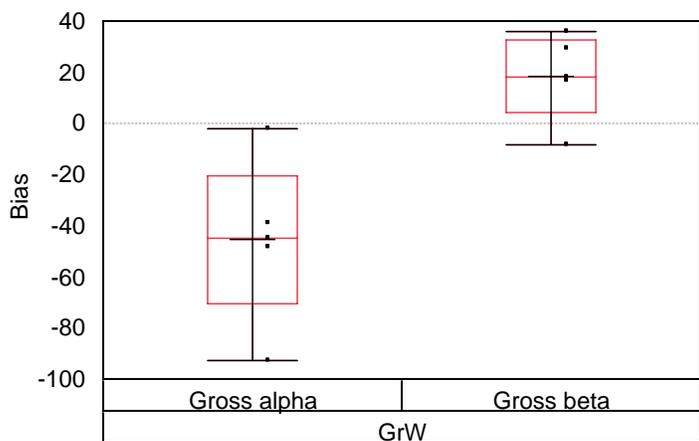
Analyte Name within Matrix Code

Variability Gauge Lab Code=LOCK03

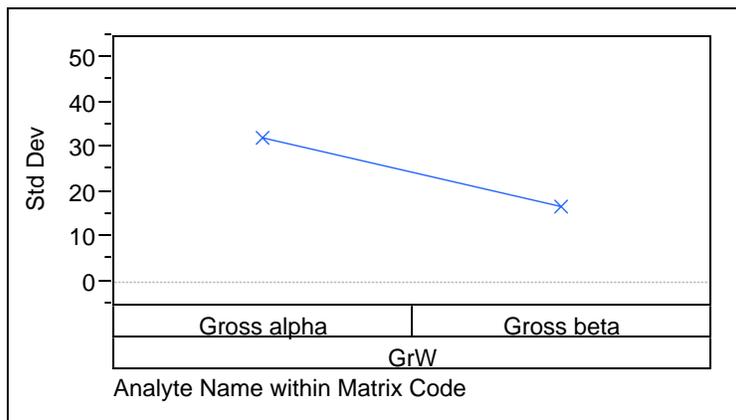
Variability Chart for Bias

Variability Gauge Lab Code=LOCK03

Variability Chart for Bias



Analyte Name within Matrix Code



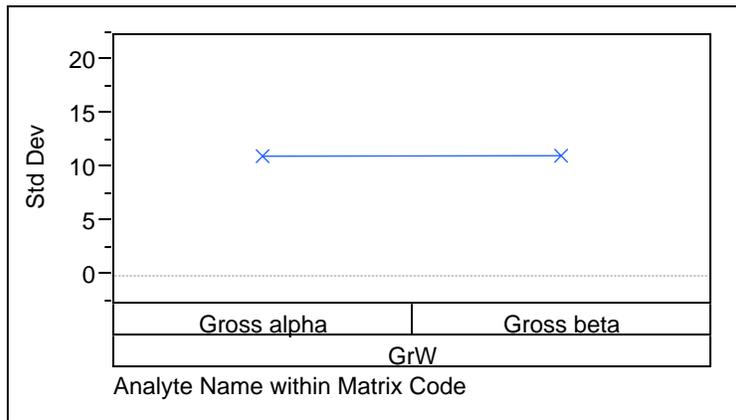
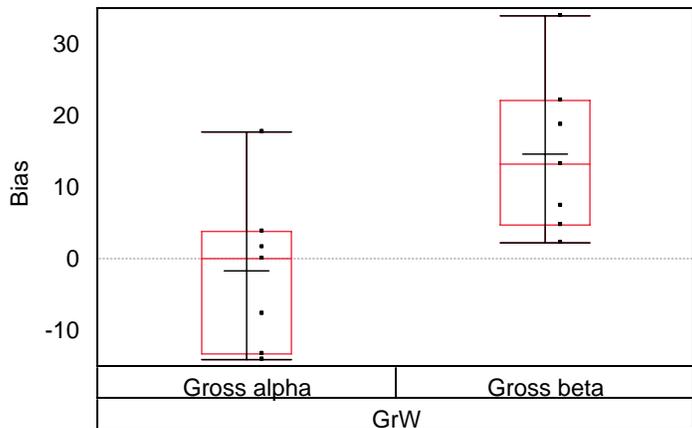
Analyte Name within Matrix Code

Variability Gauge Lab Code=MART01

Variability Chart for Bias

Variability Gauge Lab Code=MART01

Variability Chart for Bias

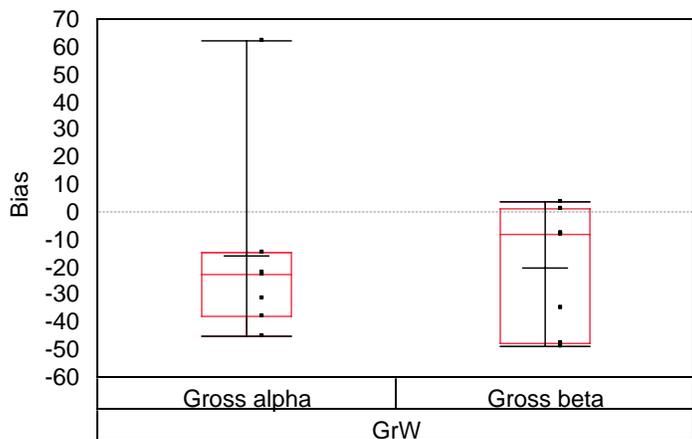


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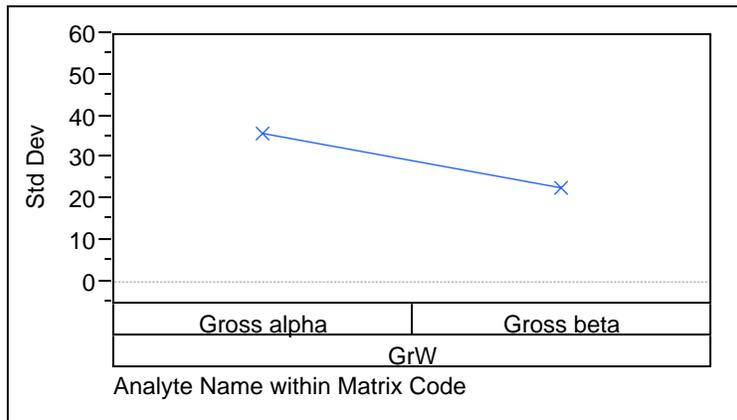
Variability Chart for Bias

Variability Gauge Lab Code=MART02

Variability Chart for Bias



Analyte Name within Matrix Code



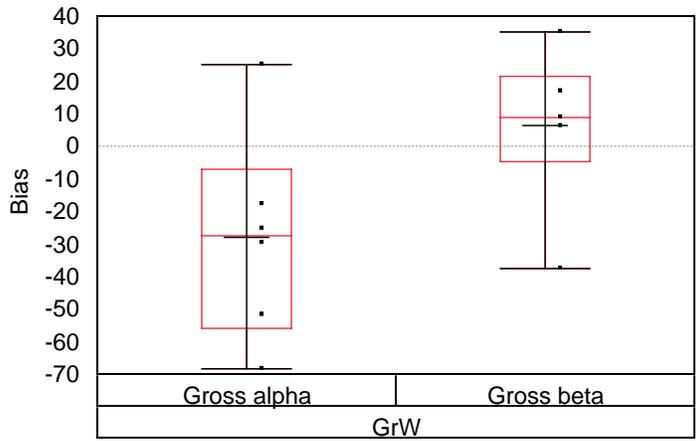
Analyte Name within Matrix Code

Variability Gauge Lab Code=MART03

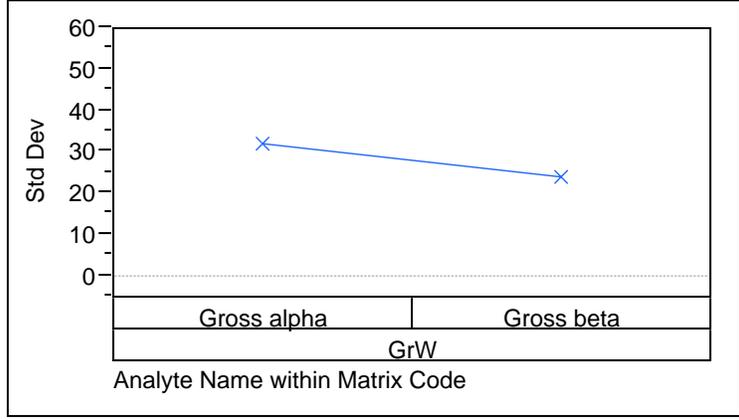
Variability Chart for Bias

Variability Gauge Lab Code=MART03

Variability Chart for Bias



Analyte Name within Matrix Code



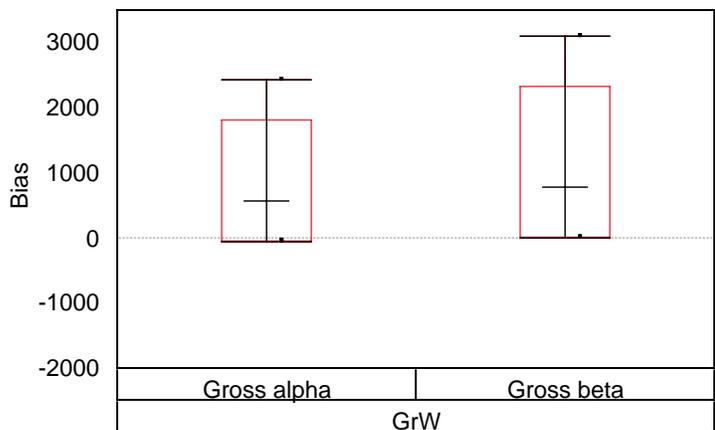
Analyte Name within Matrix Code

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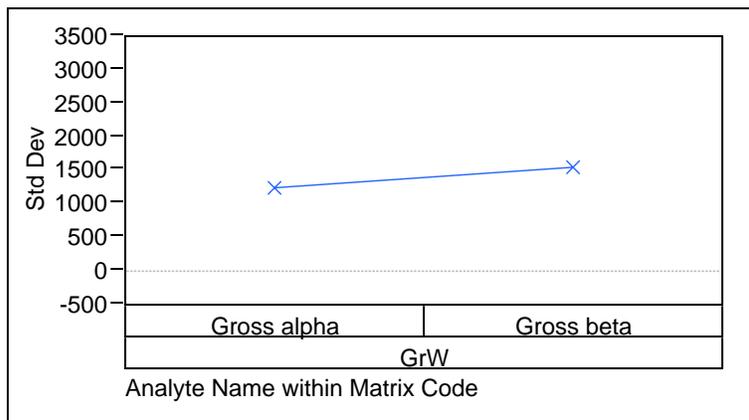
Variability Chart for Bias

Variability Gauge Lab Code=MDPH01

Variability Chart for Bias



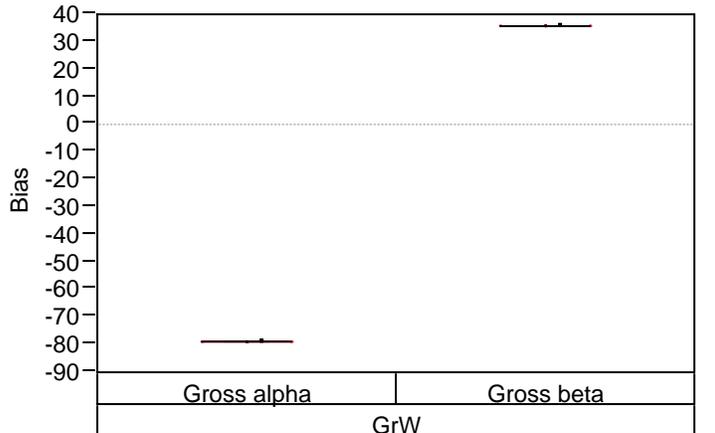
Analyte Name within Matrix Code



Analyte Name within Matrix Code

Variability Gauge Lab Code=MKME01

Variability Chart for Bias



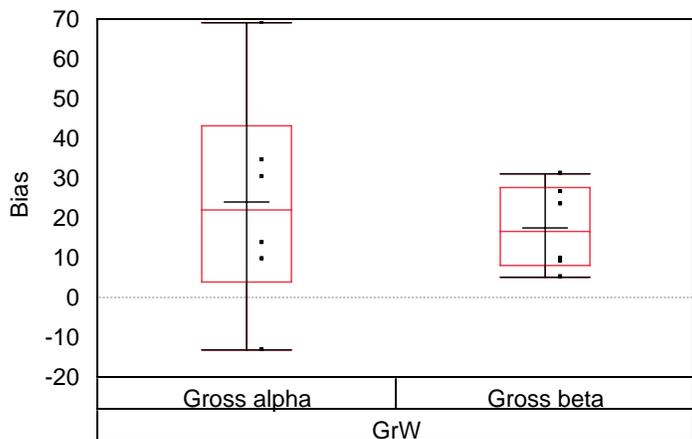
Analyte Name within Matrix Code

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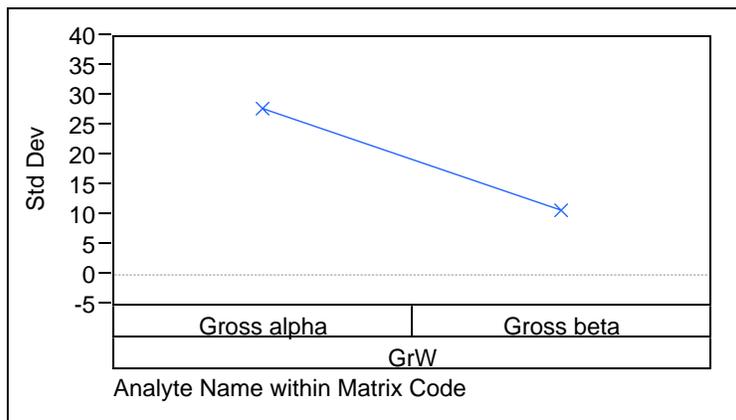
Variability Chart for Bias

Variability Gauge Lab Code=NARL01

Variability Chart for Bias



Analyte Name within Matrix Code



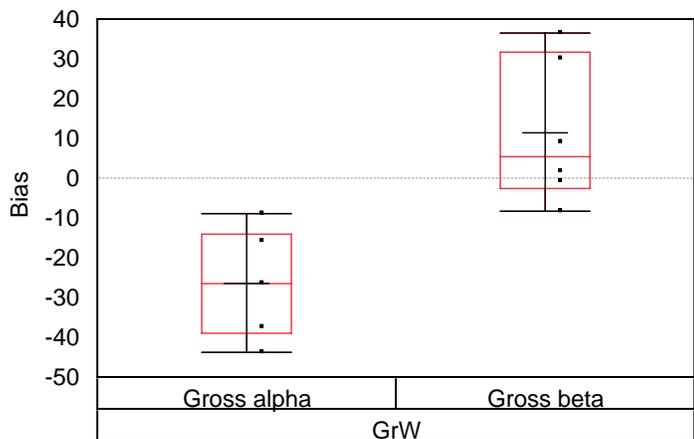
Analyte Name within Matrix Code

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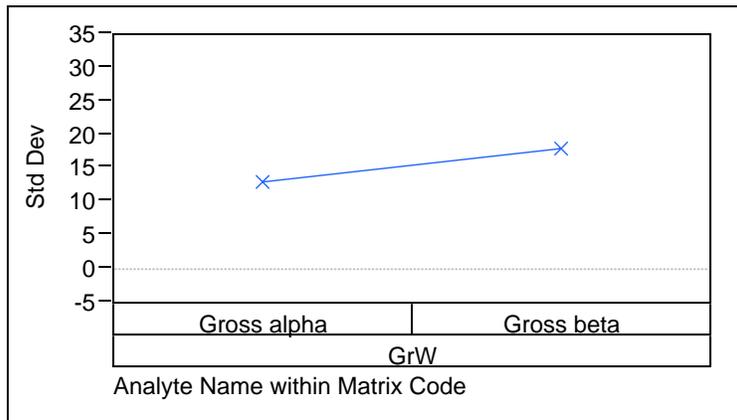
Variability Chart for Bias

Variability Gauge Lab Code=NESI01

Variability Chart for Bias



Analyte Name within Matrix Code



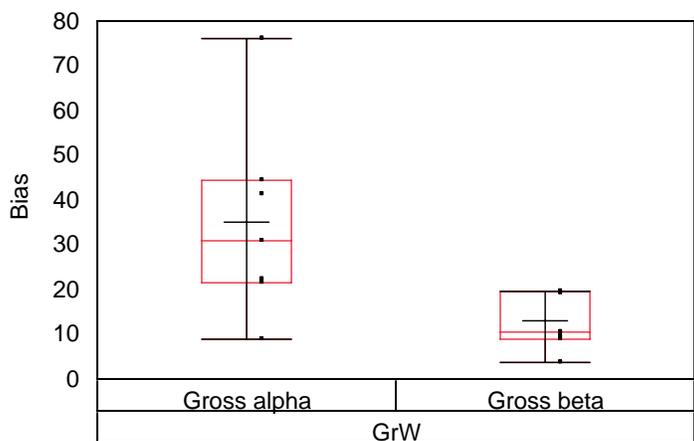
Analyte Name within Matrix Code

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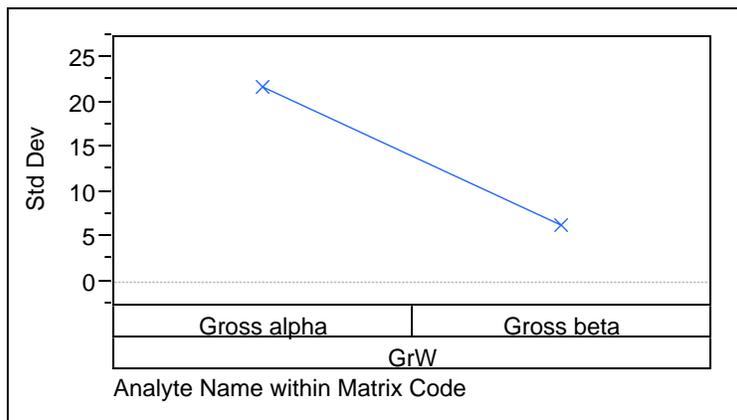
Variability Chart for Bias

Variability Gauge Lab Code=NJDH01

Variability Chart for Bias



Analyte Name within Matrix Code



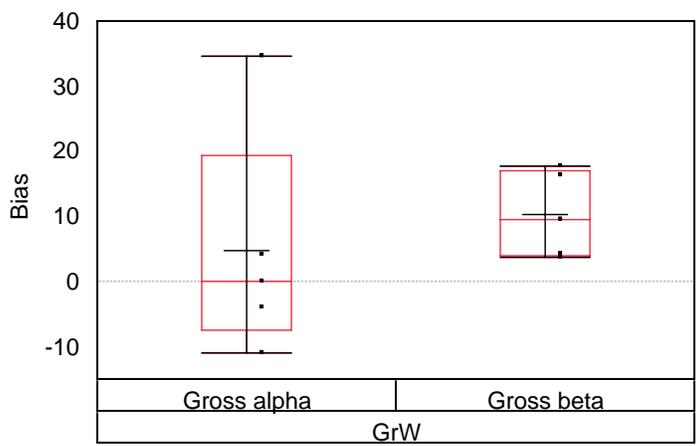
Analyte Name within Matrix Code

Variability Gauge Lab Code=NRLL99

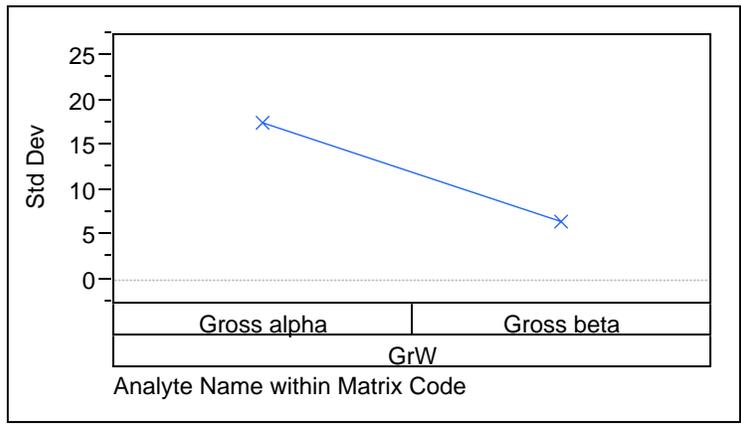
Variability Chart for Bias

Variability Gauge Lab Code=NRLL99

Variability Chart for Bias



Analyte Name within Matrix Code



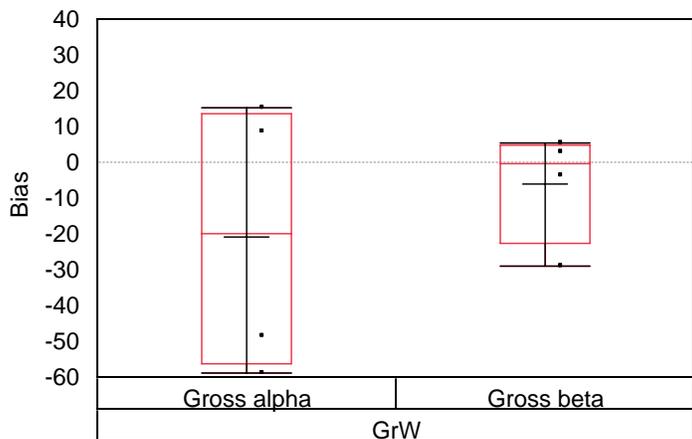
Analyte Name within Matrix Code

Variability Gauge Lab Code=NTSI01

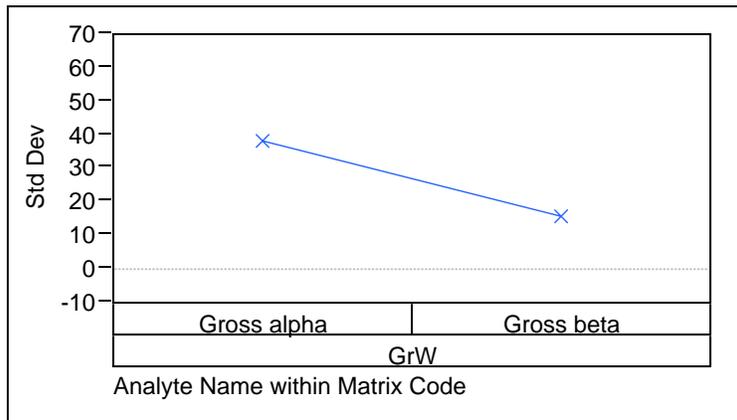
Variability Chart for Bias

Variability Gauge Lab Code=NTSI01

Variability Chart for Bias



Analyte Name within Matrix Code



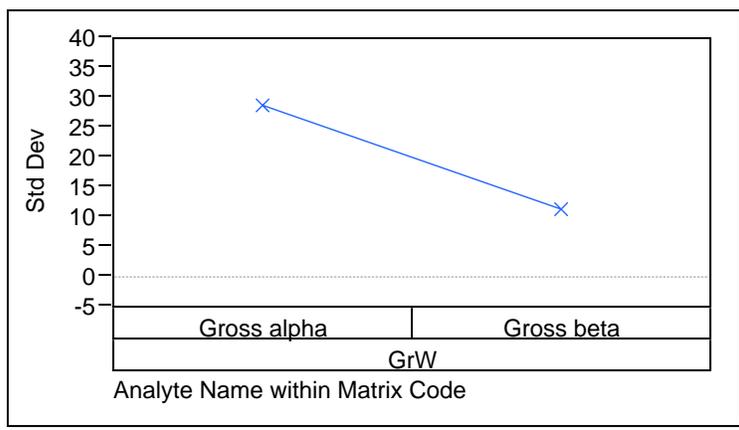
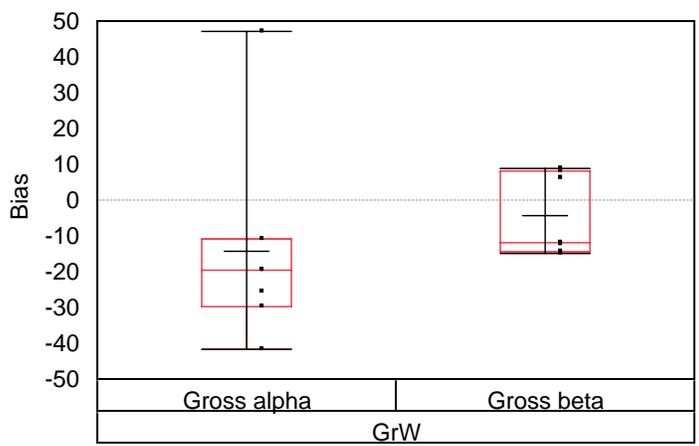
Analyte Name within Matrix Code

Variability Gauge Lab Code=OBGL01

Variability Chart for Bias

Variability Gauge Lab Code=OBGL01

Variability Chart for Bias

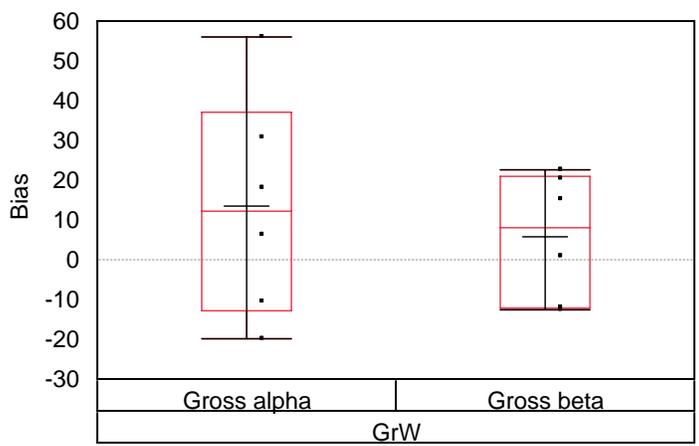


Variability Gauge Lab Code=ODHL01

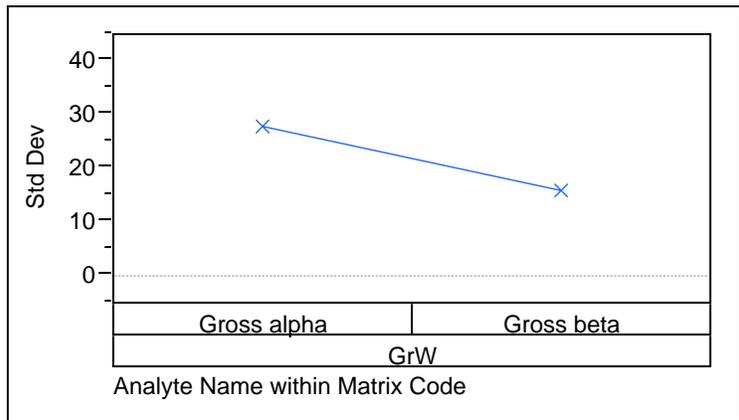
Variability Chart for Bias

Variability Gauge Lab Code=ODHL01

Variability Chart for Bias



Analyte Name within Matrix Code



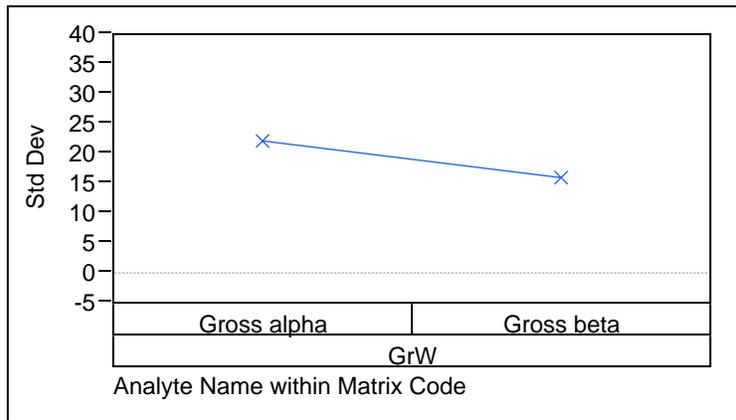
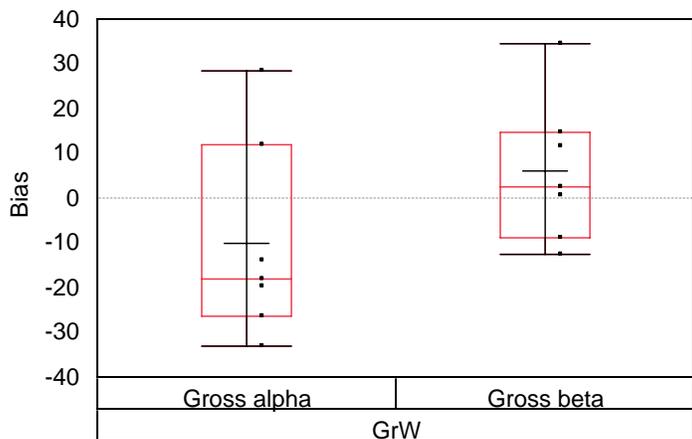
Analyte Name within Matrix Code

Variability Gauge Lab Code=ORIS01

Variability Chart for Bias

Variability Gauge Lab Code=ORIS01

Variability Chart for Bias

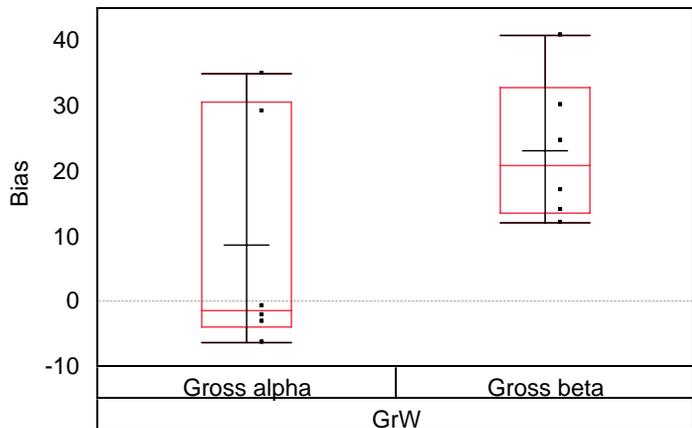


Variability Gauge Lab Code=OTLI01

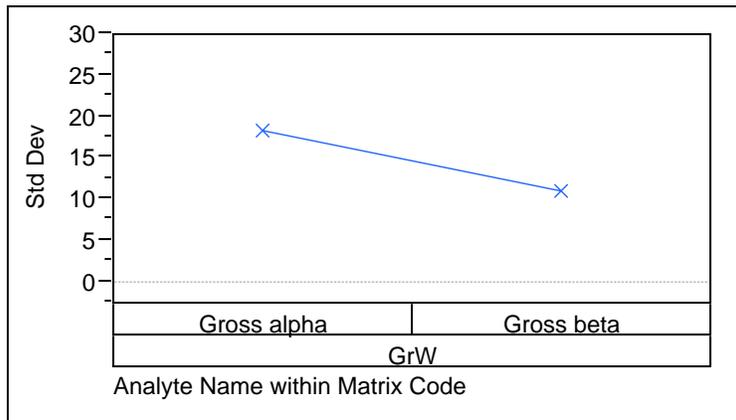
Variability Chart for Bias

Variability Gauge Lab Code=OTLI01

Variability Chart for Bias



Analyte Name within Matrix Code



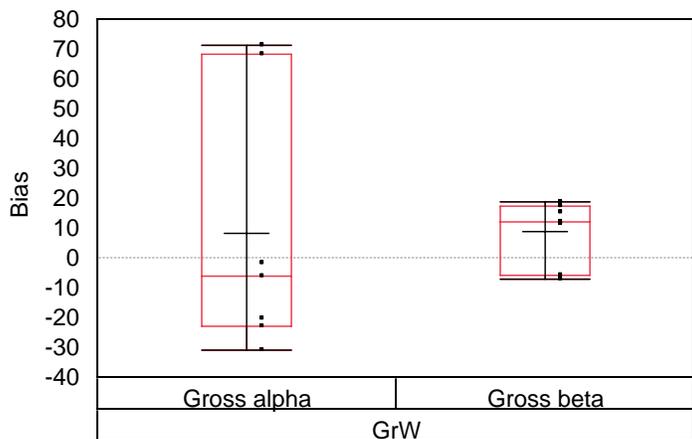
Analyte Name within Matrix Code

Variability Gauge Lab Code=QUAN01

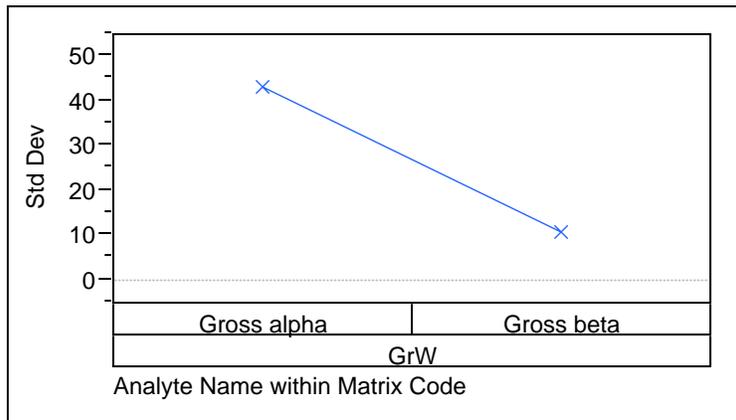
Variability Chart for Bias

Variability Gauge Lab Code=QUAN01

Variability Chart for Bias



Analyte Name within Matrix Code



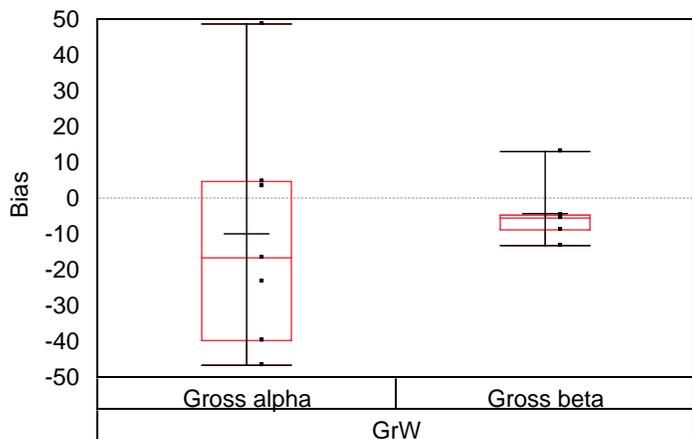
Analyte Name within Matrix Code

Variability Gauge Lab Code=QUAN03

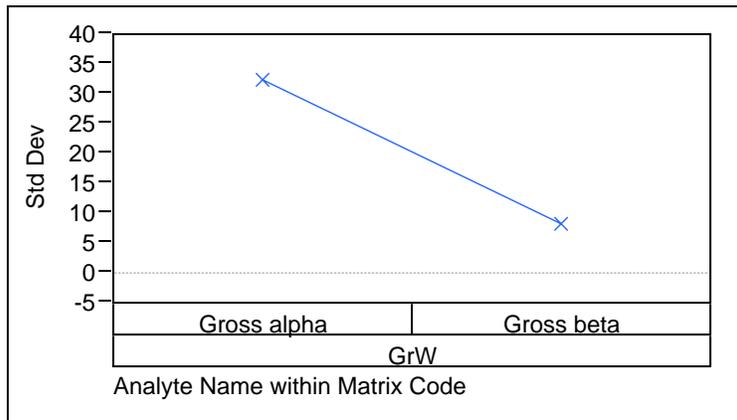
Variability Chart for Bias

Variability Gauge Lab Code=QUAN03

Variability Chart for Bias



Analyte Name within Matrix Code



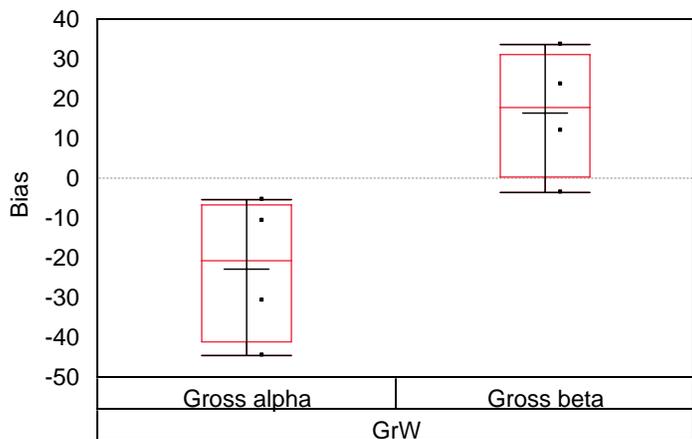
Analyte Name within Matrix Code

Variability Gauge Lab Code=RECC01

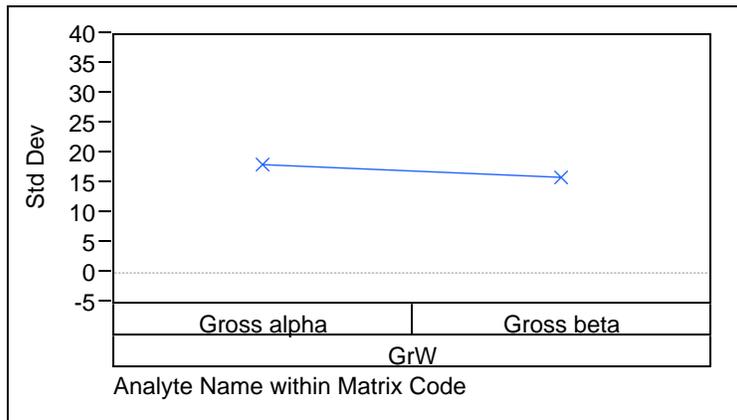
Variability Chart for Bias

Variability Gauge Lab Code=RECC01

Variability Chart for Bias



Analyte Name within Matrix Code



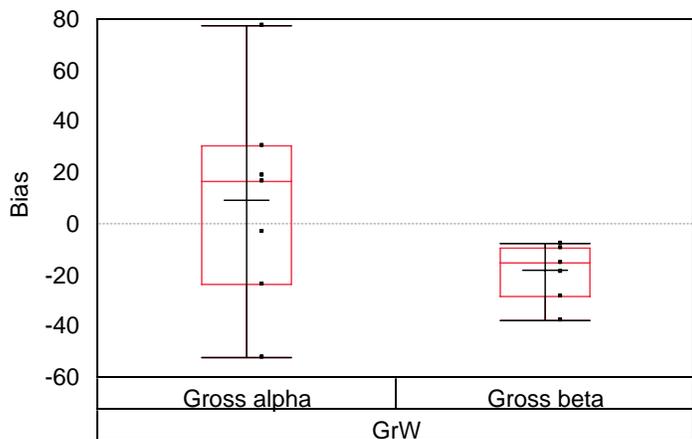
Analyte Name within Matrix Code

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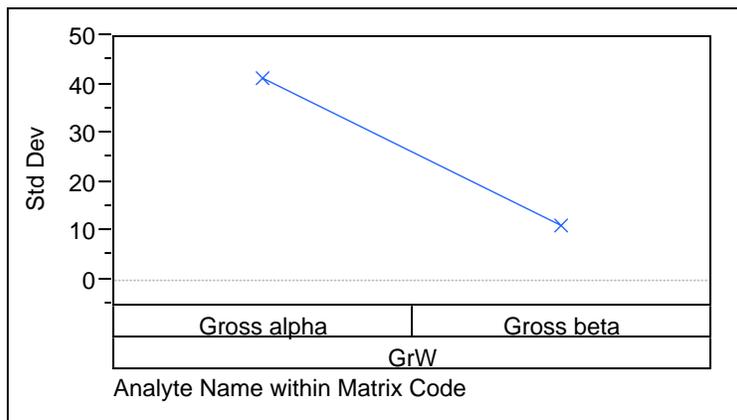
Variability Chart for Bias

Variability Gauge Lab Code=RPSC01

Variability Chart for Bias



Analyte Name within Matrix Code



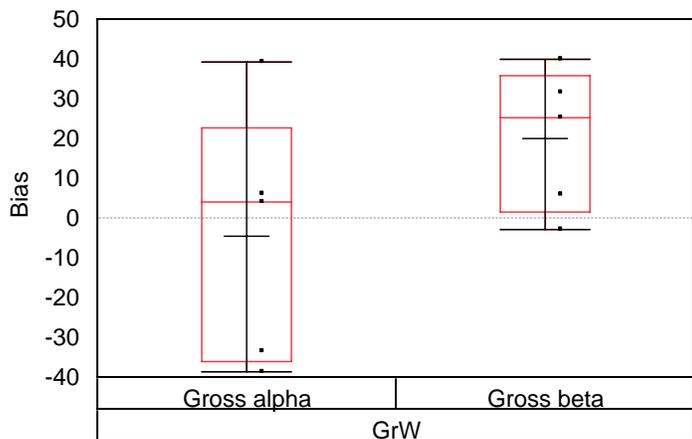
Analyte Name within Matrix Code

Variability Gauge Lab Code=RSAL01

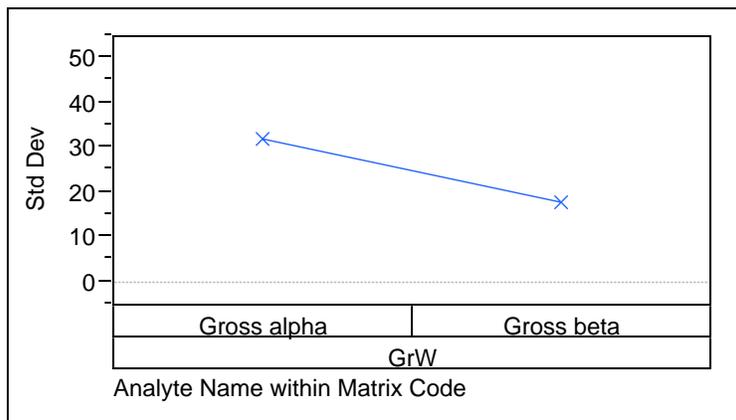
Variability Chart for Bias

Variability Gauge Lab Code=RSAL01

Variability Chart for Bias



Analyte Name within Matrix Code



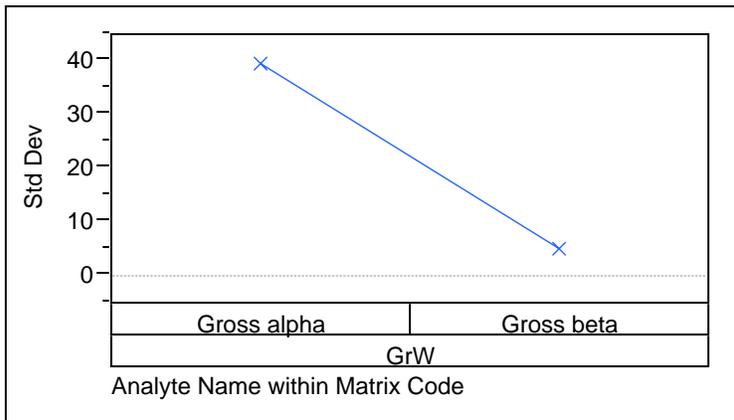
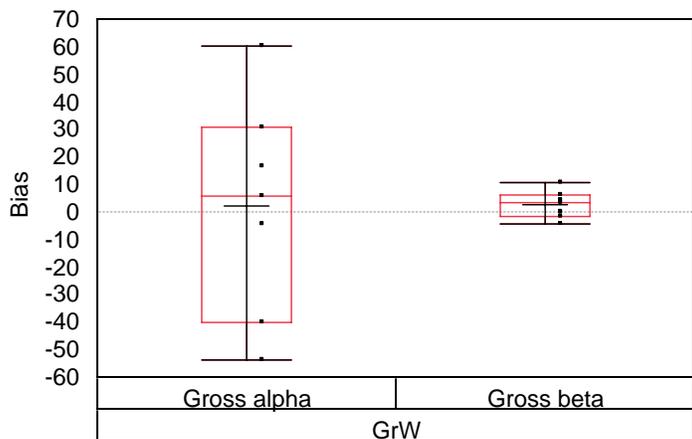
Analyte Name within Matrix Code

Variability Gauge Lab Code=SCAL01

Variability Chart for Bias

Variability Gauge Lab Code=SCAL01

Variability Chart for Bias

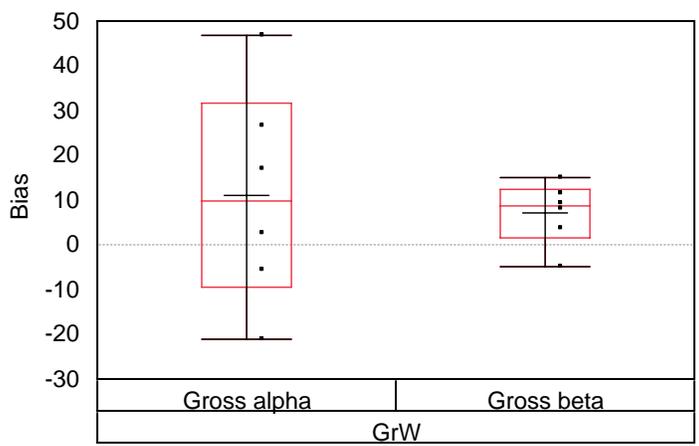


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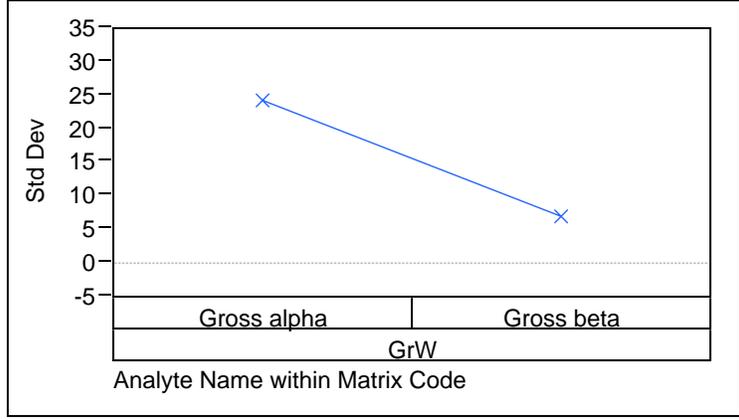
Variability Chart for Bias

Variability Gauge Lab Code=SEML01

Variability Chart for Bias



Analyte Name within Matrix Code



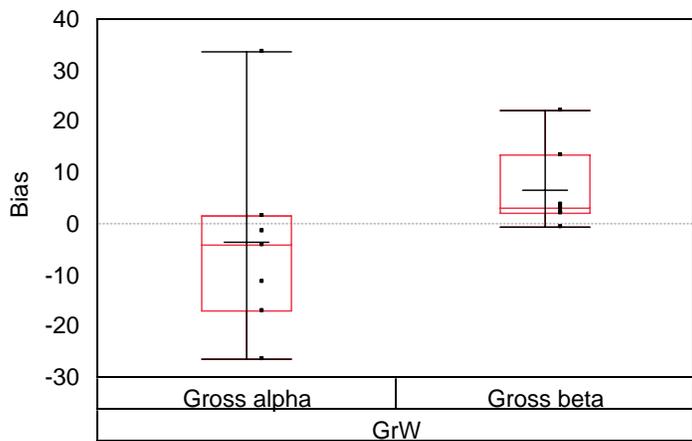
Analyte Name within Matrix Code

Variability Gauge Lab Code=SLDL01

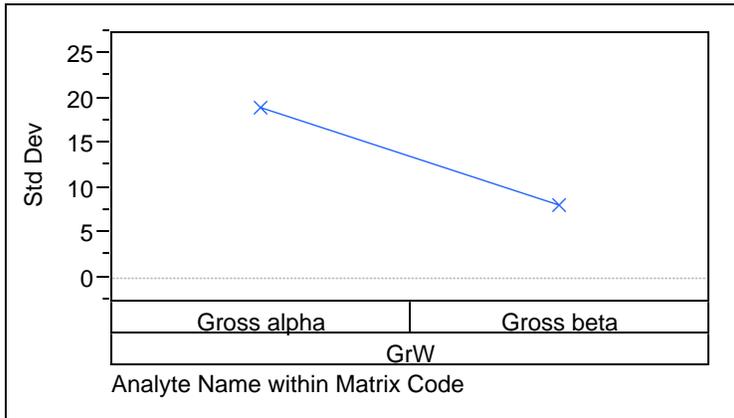
Variability Chart for Bias

Variability Gauge Lab Code=SLDL01

Variability Chart for Bias



Analyte Name within Matrix Code



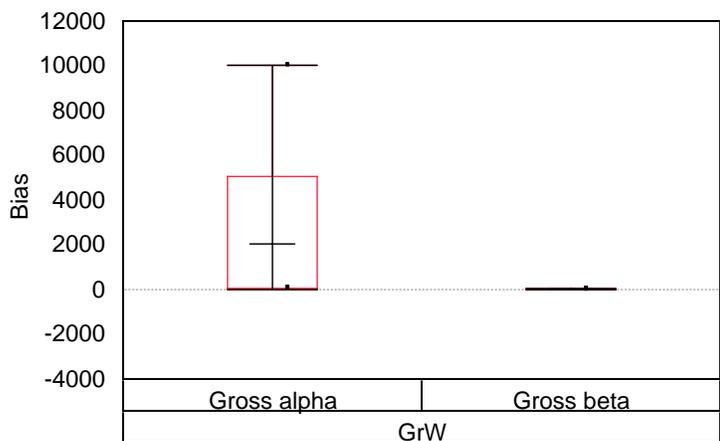
Analyte Name within Matrix Code

Variability Gauge Lab Code=SNRC99

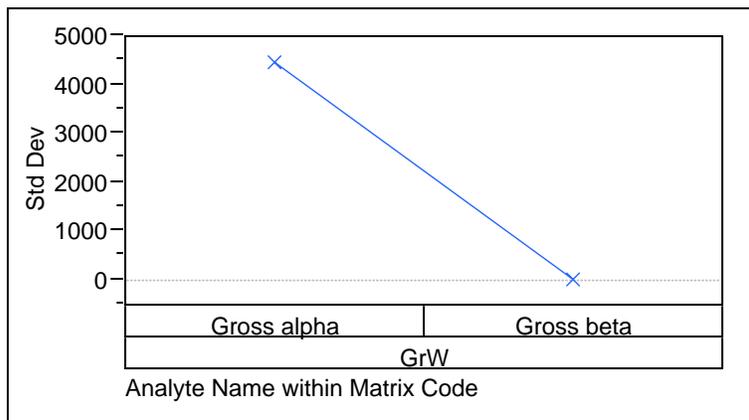
Variability Chart for Bias

Variability Gauge Lab Code=SNRC99

Variability Chart for Bias



Analyte Name within Matrix Code



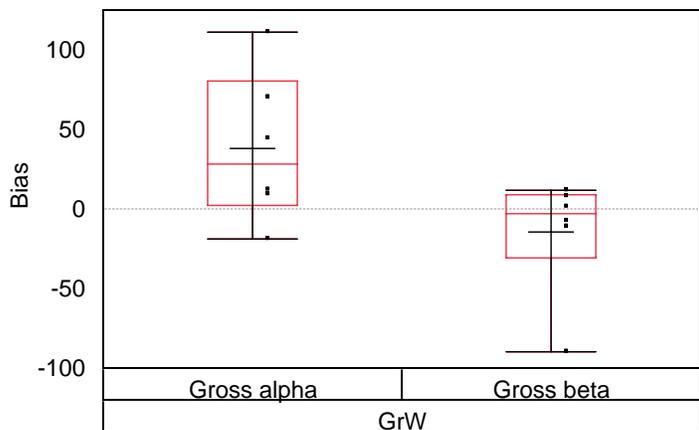
Analyte Name within Matrix Code

Variability Gauge Lab Code=SOUT01

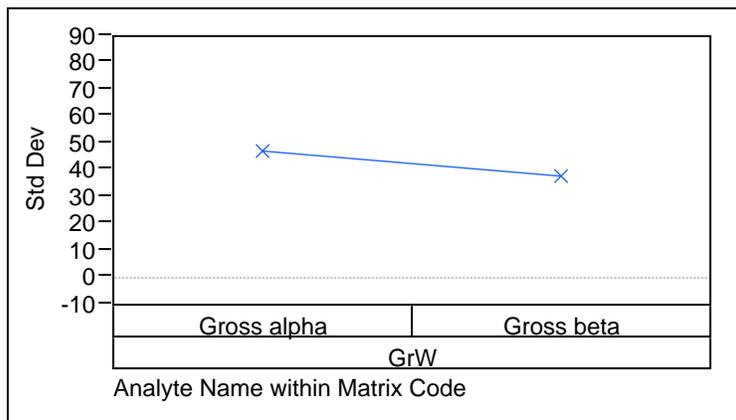
Variability Chart for Bias

Variability Gauge Lab Code=SOUT01

Variability Chart for Bias



Analyte Name within Matrix Code



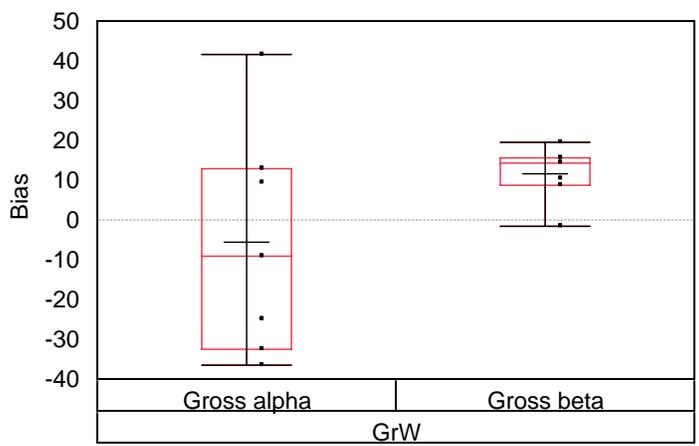
Analyte Name within Matrix Code

Variability Gauge Lab Code=TDHL01

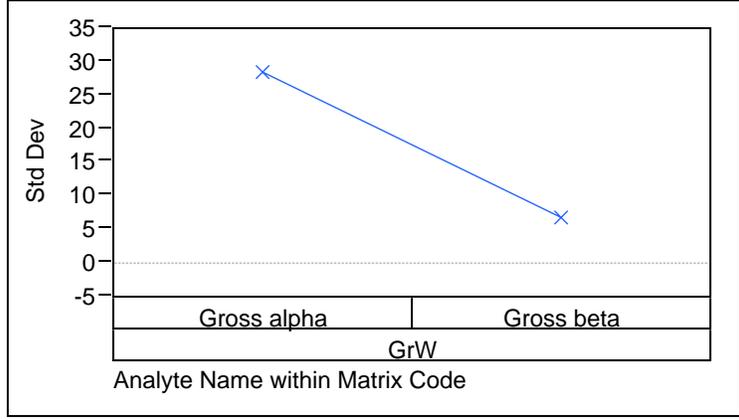
Variability Chart for Bias

Variability Gauge Lab Code=TDHL01

Variability Chart for Bias



Analyte Name within Matrix Code



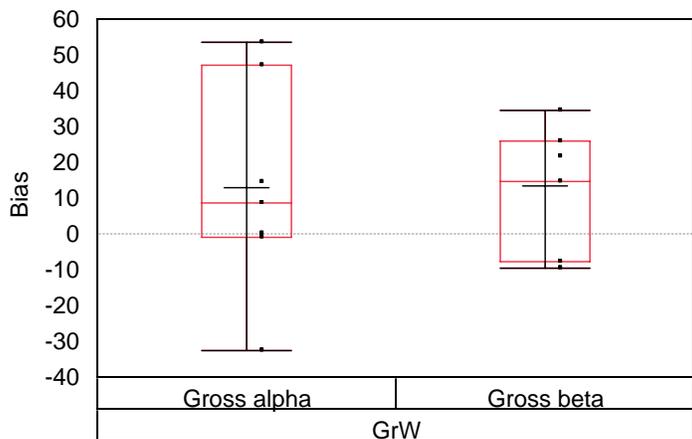
Analyte Name within Matrix Code

Variability Gauge Lab Code=TELE01

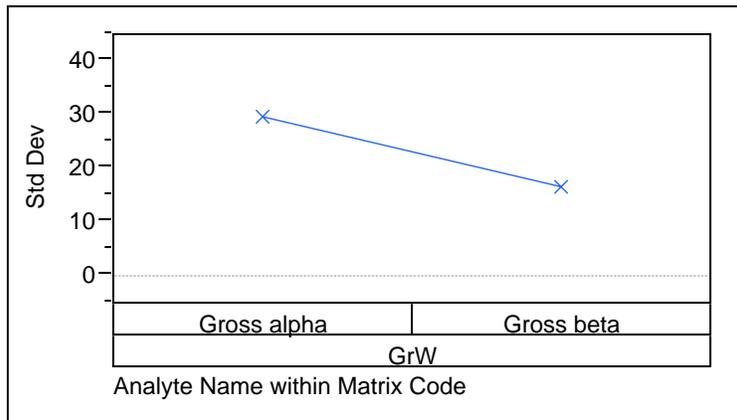
Variability Chart for Bias

Variability Gauge Lab Code=TELE01

Variability Chart for Bias



Analyte Name within Matrix Code



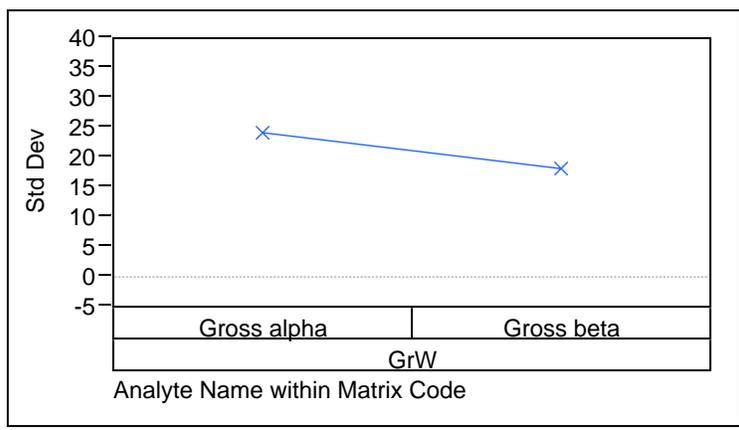
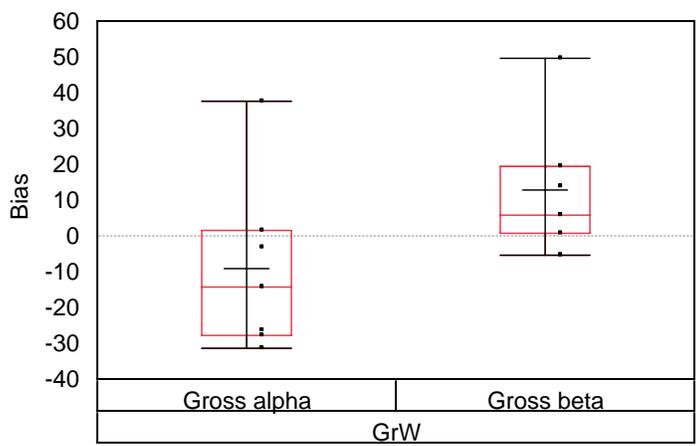
Analyte Name within Matrix Code

Variability Gauge Lab Code=TELE02

Variability Chart for Bias

Variability Gauge Lab Code=TELE02

Variability Chart for Bias

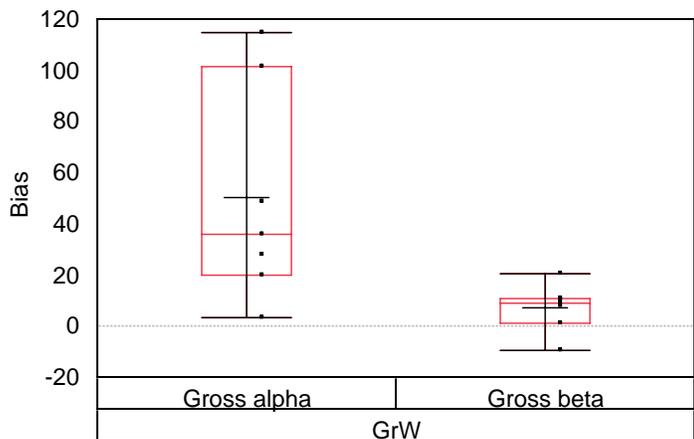


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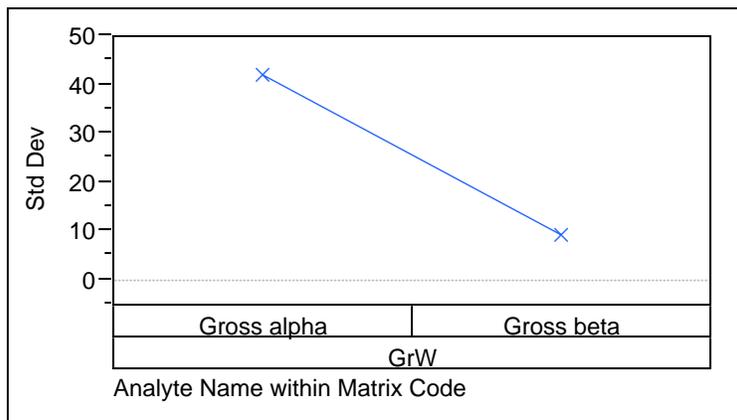
Variability Chart for Bias

Variability Gauge Lab Code=TMAE01

Variability Chart for Bias



Analyte Name within Matrix Code



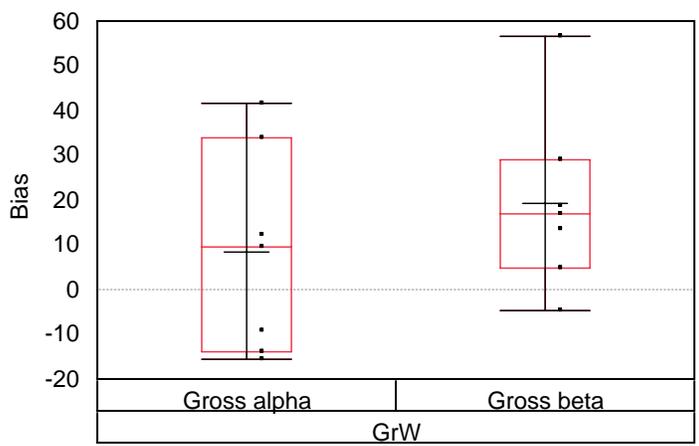
Analyte Name within Matrix Code

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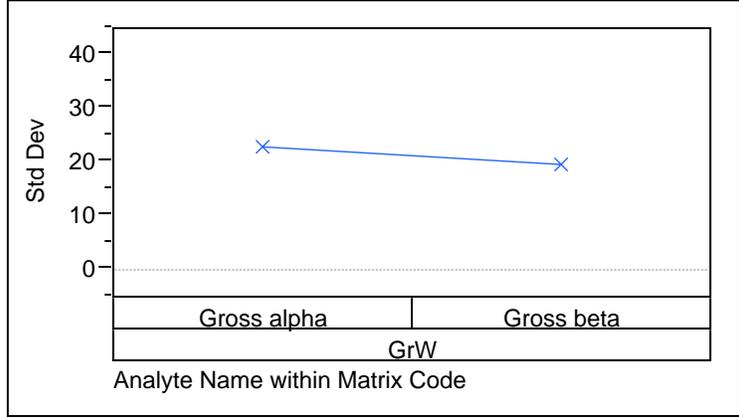
Variability Chart for Bias

Variability Gauge Lab Code=TMAO01

Variability Chart for Bias



Analyte Name within Matrix Code



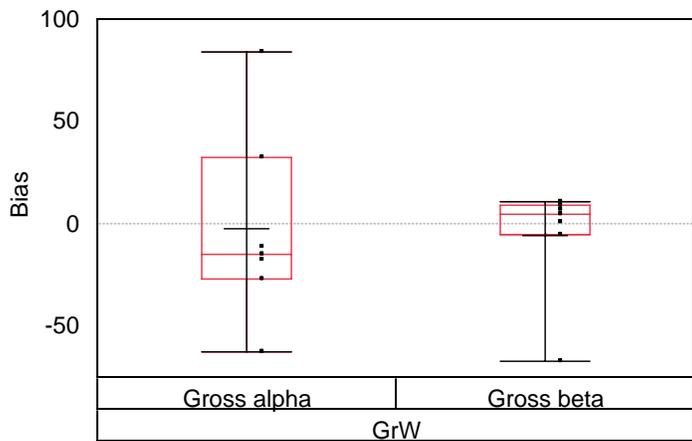
Analyte Name within Matrix Code

Variability Gauge Lab Code=TMAR01

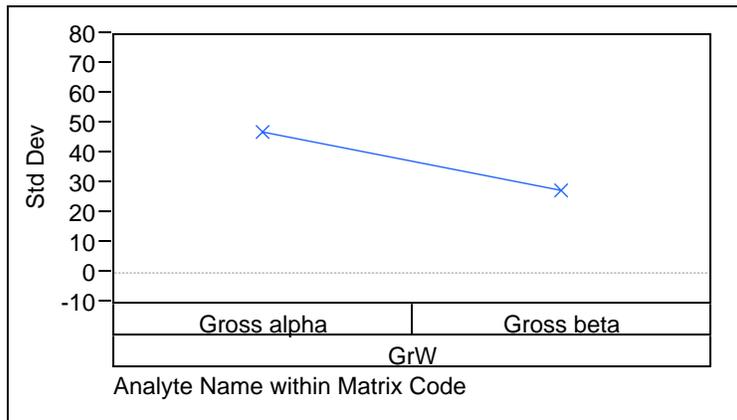
Variability Chart for Bias

Variability Gauge Lab Code=TMAR01

Variability Chart for Bias



Analyte Name within Matrix Code



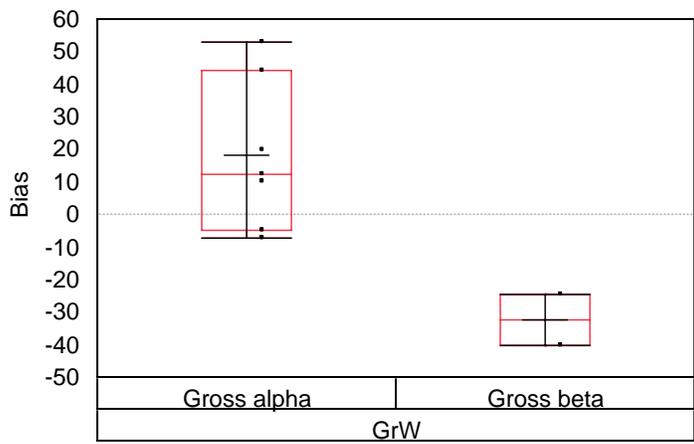
Analyte Name within Matrix Code

Variability Gauge Lab Code=TNUT01

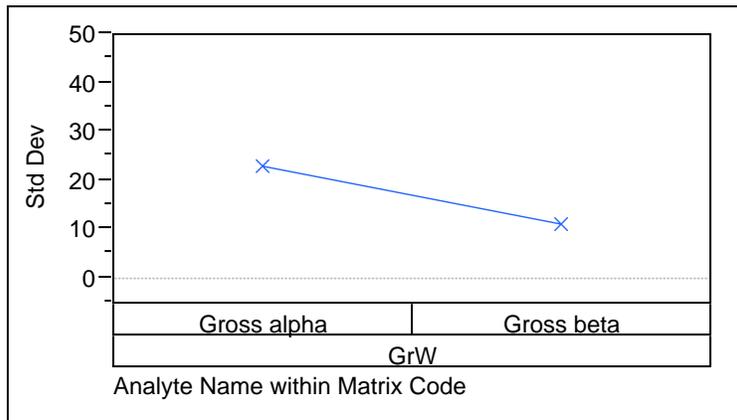
Variability Chart for Bias

Variability Gauge Lab Code=TNUT01

Variability Chart for Bias



Analyte Name within Matrix Code



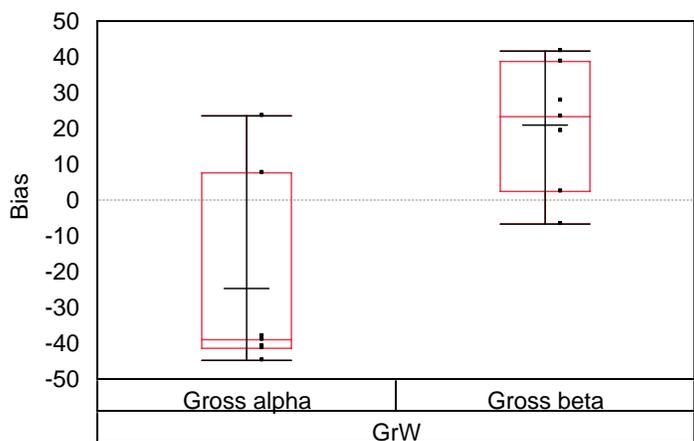
Analyte Name within Matrix Code

Variability Gauge Lab Code=WEST03

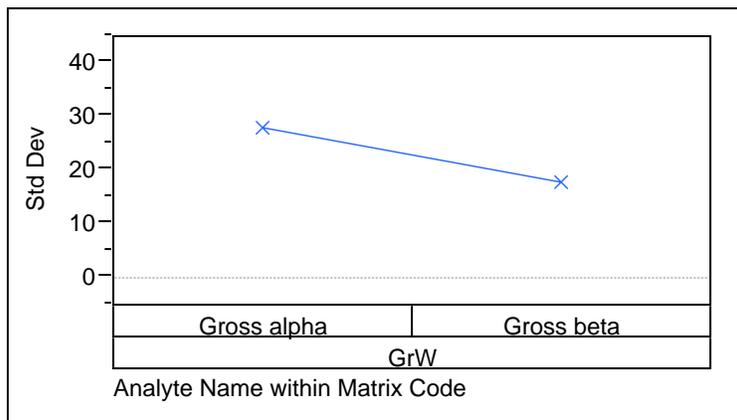
Variability Chart for Bias

Variability Gauge Lab Code=WEST03

Variability Chart for Bias



Analyte Name within Matrix Code



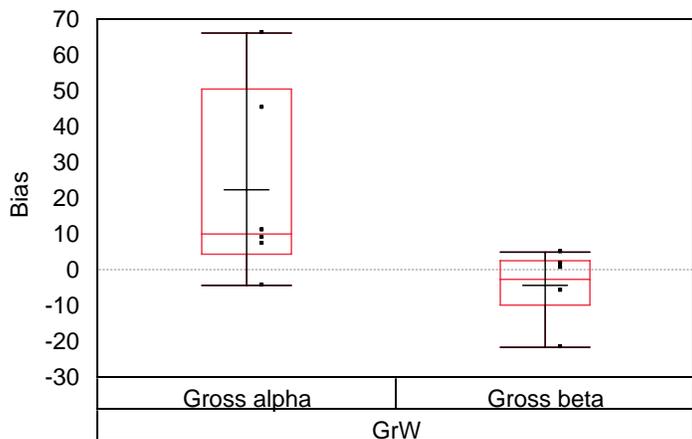
Analyte Name within Matrix Code

Variability Gauge Lab Code=WEST04

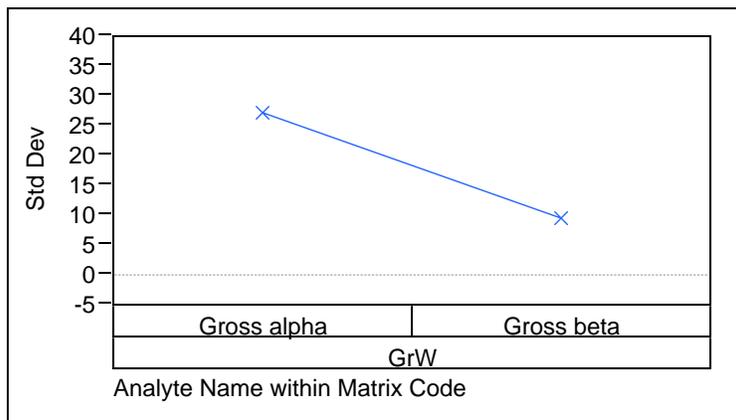
Variability Chart for Bias

Variability Gauge Lab Code=WEST04

Variability Chart for Bias



Analyte Name within Matrix Code



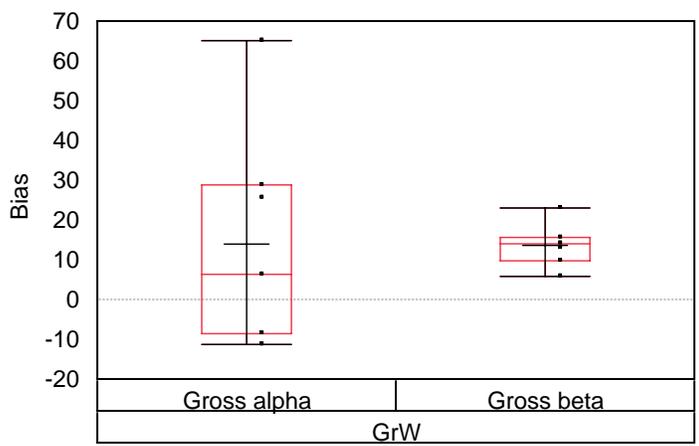
Analyte Name within Matrix Code

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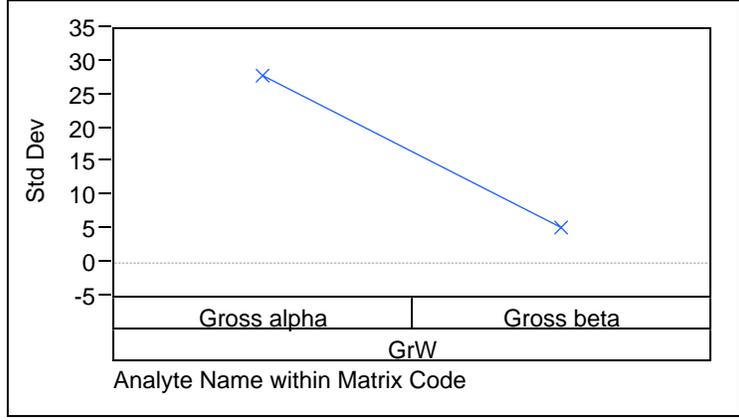
Variability Chart for Bias

Variability Gauge Lab Code=WSHL01

Variability Chart for Bias



Analyte Name within Matrix Code



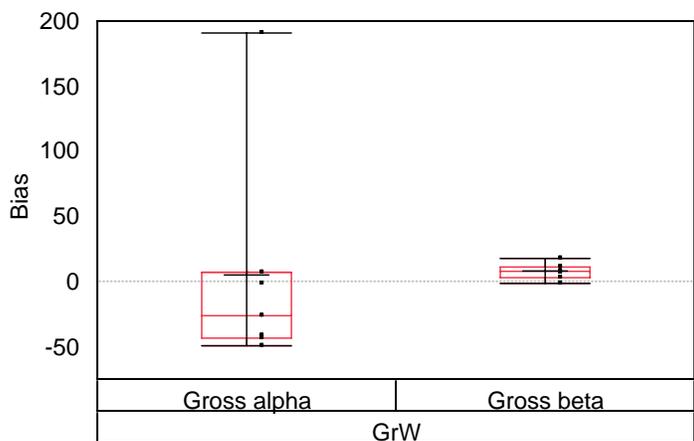
Analyte Name within Matrix Code

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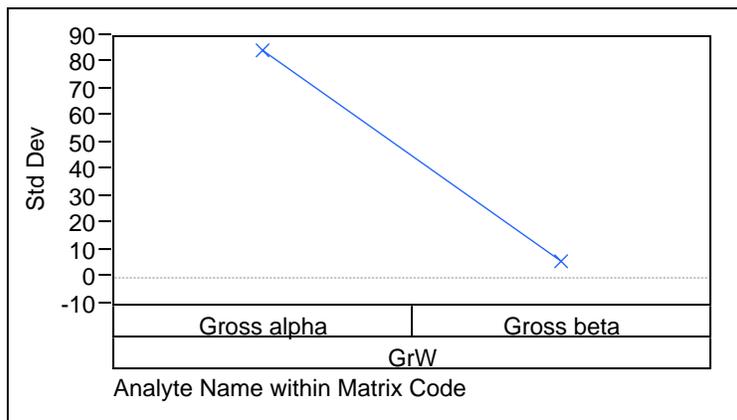
Variability Chart for Bias

Variability Gauge Lab Code=WVDP01

Variability Chart for Bias



Analyte Name within Matrix Code



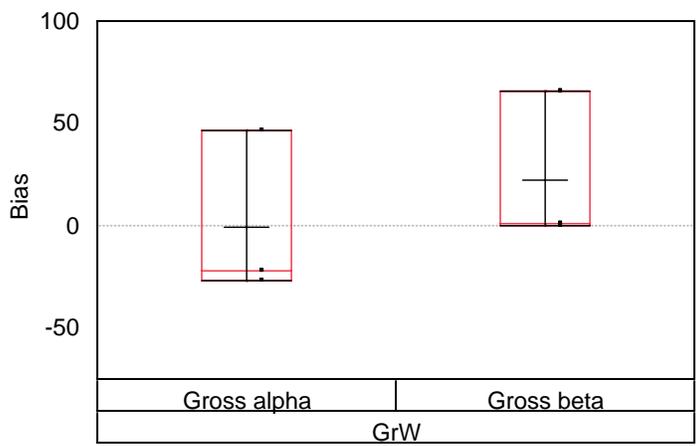
Analyte Name within Matrix Code

Variability Gauge Lab Code=WVNS01

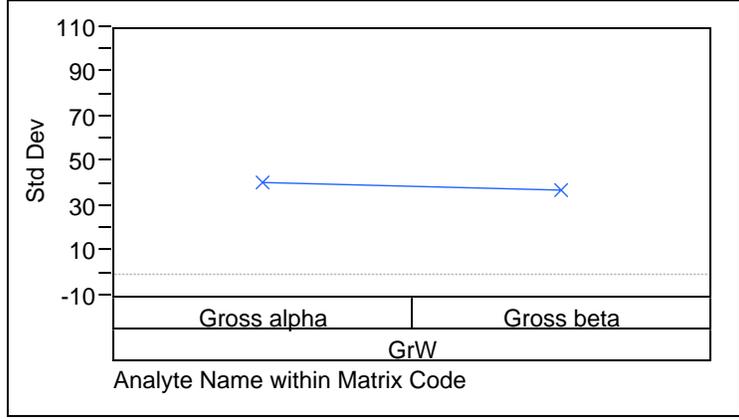
Variability Chart for Bias

Variability Gauge Lab Code=WVNS01

Variability Chart for Bias



Analyte Name within Matrix Code



Analyte Name within Matrix Code