

Laboratories NOT Reporting GrW17

Lab Code	Lab Name
ADEM01	Alabama Department of Environmental Management
CORE02	STL Denver
DRMG01	BWXT Pantex - D&RMG
GROW01	FGL Environmental
KAST99	Environmental Studies Laboratory
MSTH99	Radioecology
NTSI01	Nuclear Technology Services, Inc.
RMCL99	Royal Scientific Society - Radiation Measurements Lab
URSL01	UNLV Radioanalytical Service Laboratory

Laboratories Reporting GrW17

Lab Code	Lab Name
AFOH01	AFIOH/SDRR
ANLA01	Argonne National Laboratory/Analytical Chemistry Lab.
ANTE01	Paragon Analytics a Division of DataChem Laboratories, Inc.
ARPL01	Analytical Support Operations - Radiochemical Processing Lab
ARSL01	American Radiation Services Inc.
ATLI01	ATL International, Inc.
AY1201	BWXT Y-12, Analytical Chemistry Organization Laboratory
CDHS01	California Department of Health Services
CESL01	Lawrence Livermore National Laboratory - EMRL
CHMH01	222-S Laboratory
DEHS01	Department of Environmental Health & Safety
ENES01	Energy Northwest Environmental Services
ERCL01	Public Health Laboratories
ERLG01	Environmental Radiation Laboratory
ERPD99	Environmental Radiation Protection Division
FDHE01	Florida Dept of Health Environmental Laboratory
FMEC99	Food and Environment Monitoring Center
FNAL01	Fermi National Accelerator Laboratory (FermiLab)
GENE01	GEL Laboratories, LLC
GPLP01	GPL Laboratories, LLLP
HCAL01	Hazards Control Analytical Lab
HECR01	SC Dept. Health and Environmental Control Radiological
HWRL01	Lawrence Livermore National Laboratory - HWRL
ISUP01	ISU - Department of Physics/Health Physics/EAL
JAEC99	Radiation Measurements Laboratory
LOCK01	ICP Analytical Laboratories Department
LOCK03	Reactor Technology Complex (RTC) Radioanalytical Laboratory
MART01	USEC, Inc.
MART02	United States Enrichment Corporation
MART03	Radioactive Material Analysis Laboratory

MDPH01	MDPH-Radiation Control Program
NARL01	National Air and Radiation Environmental Laboratory
NESI01	BWXT Services-Radioisotope & Analytical Chemistry
NJDH01	New Jersey Dept. of Health & Senior Services, PHEL, ECLS
NRLL99	National Radiation Laboratory
OBGL01	Life Science Laboratories, Inc.
ODHL01	Ohio Department of Health Laboratory
ORIS01	ORISE/ESSAP
OTLI01	Outreach Technologies, Inc.
QUAN01	STL St. Louis
QUAN03	SEVERN TRENT LABORATORIES RICHLAND
RPSC01	Radiation Protection Service
RSAL01	RSA Laboratories, Inc.
SCAL01	Sanford Cohen and Associates, Inc.
SEML01	SRS Environmental Monitoring Laboratory
SLDL01	Scientific Laboratory Division
SNRC99	Soreq NRC
SOUT01	Southwest Research Institute
TDHL01	Texas Department of State Health Services Laboratory
TELE01	TELEDYNE BROWN ENGINEERING - ENVIRONMENTAL
TELE02	Environmental, Inc., Midwest Lab
TMAE01	Eberline Services, Inc.
TMAO01	EBERLINE SERVICES OAK RIDGE LABORATORY
TMAR01	Eberline Services
TNUT01	FUSRAP
WEST03	Waste Sampling and Characterization Facility
WEST04	PACE ANALYTICAL SERVICES WALTZ MILL SITE
WSHL01	Wisconsin State Laboratory of Hygiene
WVDP01	WVDP Environmental Laboratory
WVNS01	West Valley Nuclear Services

Setup and Process Data

MAPEP-07-GrW17

Analyte	Ref. Value	Total Ref.	Uncertainty	F.P.	S.E.
Gross alpha	0.327		0.003		
Gross beta	0.851		0.009		

Sample Statistical Summary

MAPEP-07-GrW17

Analyte	T(1)	A(2)	Grand Mean	Standard Deviation	Ref Value	Analyte Text	Acceptance Range	Units
Gross alpha	60	54	0.425	0.123	0.327		>0.0 - 0.654	(Bq/L)
Gross beta	59	56	0.915	0.167	0.851		0.426 - 1.277	(Bq/L)

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).

Flag Summary Report - GrW17

Generated May 24, 2007

Radiological			
Analyte	A	W	N
Gross alpha	54		6
Gross beta	56		3



Mixed Analyte
Performance Evaluation Program

MAPEP-07-GrW17
Gross alpha/beta water
Combined Report
Printed May 24, 2007

Lab: AFOH01
 AFIOH/SDRR
 2350 Gillingham Dr
 Brooks City-Base, TX 78235-5103

Radiological								Units: (Bq/L)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.499	0.327	A		52.6	>0.0 - 0.654	0.119	H
Gross beta	0.926	0.851	A		8.8	0.426 - 1.277	0.093	

Lab: ANLA01
 Argonne National Laboratory/Analytical Chemistry Lab.
 9700 S. Cass Avenue
 Argonne, IL 60439-4803

Radiological								Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	
Gross alpha	0.27	0.327	A		-17.4	>0.0 - 0.654	0.04		
Gross beta	0.93	0.851	A		9.3	0.426 - 1.277	0.04		

Lab: 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	0.434	0.327	A		32.7	>0.0 - 0.654	0.054	
Gross beta	0.946	0.851	A		11.2	0.426 - 1.277	0.090	

Lab: 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	0.363	0.327	A		11.0	>0.0 - 0.654	0.05		
Gross beta	0.860	0.851	A		1.1	0.426 - 1.277	0.04		

Lab: 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	.447	0.327	A		36.7	>0.0 - 0.654	.063	
Gross beta	.929	0.851	A		9.2	0.426 - 1.277	.052	

Lab: ATLI01
 ATL International, Inc.
 20010 Century Blvd, Suite 500
 Germantown, MD 20874

Radiological								Units: (Bq/L)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.701	0.327	N		114.4	>0.0 - 0.654	0.110	
Gross beta	0.853	0.851	A		0.2	0.426 - 1.277	0.074	

Lab: AY1201
 BWXT 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	0.66	0.327	N		101.8	>0.0 - 0.654	0.13	
Gross beta	0.92	0.851	A		8.1	0.426 - 1.277	0.11	

Lab: CDHS01
 California Department of Health Services
 Sanitation & Radiation Lab.
 Richmond, CA 94804-6403

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.458	0.327	A		40.1	>0.0 - 0.654	0.066	
Gross beta	0.940	0.851	A		10.5	0.426 - 1.277	0.057	

Lab: 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	3.31E-01	0.327	A		1.2	>0.0 - 0.654	2.69E-02	
Gross beta	8.99E-01	0.851	A		5.6	0.426 - 1.277	7.62E-02	

Lab: 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	0.345	0.327	A		5.5	>0.0 - 0.654	0.131	H
Gross beta	0.897	0.851	A		5.4	0.426 - 1.277	0.243	H

Lab: 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	0.497	0.327	A		52.0	>0.0 - 0.654	0.129	H
Gross beta	0.628	0.851	A		-26.2	0.426 - 1.277	0.108	

Lab: 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	0.074	0.327	A		-77.4	>0.0 - 0.654	.014		
Gross beta	0.57	0.851	A		-33.0	0.426 - 1.277	.032		

Lab: ERCL01
 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	0.69	0.327	N		111.0	>0.0 - 0.654	0.05	
Gross beta	0.84	0.851	A		-1.3	0.426 - 1.277	0.05	

Lab: 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	.56	0.327	A		71.3	>0.0 - 0.654	.1	
Gross beta	.93	0.851	A		9.3	0.426 - 1.277	.2	H

Lab: ERPD99
 Environmental Radiation Protection Division
 Mubarak Al-Kabeer Street, 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	0.365	0.327	A		11.6	>0.0 - 0.654	0.05	
Gross beta	1.142	0.851	A		34.2	0.426 - 1.277	0.3	H

Lab: 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	0.38	0.327	A		16.2	>0.0 - 0.654	0.05		
Gross beta	1.19	0.851	A		39.8	0.426 - 1.277	0.05		

Lab: FMEC99
 Food and Environment Monitoring Center
 Ministry of Regional Municipalities
 Muscat, Sultanate of Oman 113

Radiological								Units: (Bq/L)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.29	0.327	A		-11.3	>0.0 - 0.654	0.06	H
Gross beta	0.65	0.851	A		-23.6	0.426 - 1.277	0.12	

Lab: FNAL01
Fermi National Accelerator Laboratory (FermiLab)
PO Box 500, MS325
Batavia, IL 60510

Radiological								Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	
Gross alpha	0.08	0.327	A		-75.5	>0.0 - 0.654	0.01		
Gross beta	0.56	0.851	A		-34.2	0.426 - 1.277	0.08		

Lab: 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	0.466	0.327	A		42.5	>0.0 - 0.654	0.043	
Gross beta	0.963	0.851	A		13.2	0.426 - 1.277	0.061	

Lab: GPLP01
GPL Laboratories, LLLP
7210A Corporate Court
Frederick, MD 21703

Radiological								Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	
Gross alpha	0.227	0.327	A		-30.6	>0.0 - 0.654	0.060	H	
Gross beta	0.466	0.851	A		-45.2	0.426 - 1.277	0.062		

Lab: 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	.55	0.327	A		68.2	>0.0 - 0.654	.07	
Gross beta	.86	0.851	A		1.1	0.426 - 1.277	.05	

Lab: 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	0.508	0.327	A		55.4	>0.0 - 0.654	0.118	H
Gross beta	0.623	0.851	A		-26.8	0.426 - 1.277	0.0853	

Lab: HWRL01
Lawrence Livermore National Laboratory - HWRL
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	0.59	0.327	A		80.4	>0.0 - 0.654	13.5	H
Gross beta	0.95	0.851	A		11.6	0.426 - 1.277	6.	H

Lab: 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	0.14	0.327	A		-57.2	>0.0 - 0.654	0.03	H	
Gross beta	1.12	0.851	A		31.6	0.426 - 1.277	0.06		

Lab: JAEC99
 Radiation Measurements Laboratory
 Jordan Atomic Energy Commission
 Amman, Jordan 00962 6

Radiological								Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	
Gross alpha	0.38	0.327	A		16.2	>0.0 - 0.654	0.06		
Gross beta	0.46	0.851	A		-45.9	0.426 - 1.277	0.06		

Lab: LOCK01
 ICP Analytical Laboratories Department
 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	0.311	0.327	A		-4.9	>0.0 - 0.654	0.046	
Gross beta	1.08	0.851	A		26.9	0.426 - 1.277	0.111	

Lab: LOCK03
 Reactor Technology Complex (RTC) 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	0.32	0.327	A		-2.1	>0.0 - 0.654	0.1	H
Gross beta	1.1	0.851	A		29.3	0.426 - 1.277	0.2	

Lab: 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	0.3848	0.327	A		17.7	>0.0 - 0.654	0.090	H
Gross beta	0.9139	0.851	A		7.4	0.426 - 1.277	0.093	

Lab: 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	0.53	0.327	A		62.1	>0.0 - 0.654	0.16	H
Gross beta	0.86	0.851	A		1.1	0.426 - 1.277	0.10	

Lab: 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	0.409	0.327	A		25.1	>0.0 - 0.654	0.052	
Gross beta	1.150	0.851	A		35.1	0.426 - 1.277	0.101	

Lab: MDPH01
 MDPH-Radiation Control Program
 MERL-Room 002
 Jamaica Plain, MA 02130-3597

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	8.27	0.327	N		2429.1	>0.0 - 0.654	1.89	H
Gross beta	27.23	0.851	N		3099.8	0.426 - 1.277	2.33	

Lab: 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	0.553	0.327	A		69.1	>0.0 - 0.654	0.130	H
Gross beta	1.050	0.851	A		23.4	0.426 - 1.277	0.074	

Lab: NESI01

BWXT 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	0.24	0.327	A		-26.6	>0.0 - 0.654	0.04		
Gross beta	0.78	0.851	A		-8.3	0.426 - 1.277	0.04		

Lab: 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	0.576	0.327	A		76.1	>0.0 - 0.654	0.034	
Gross beta	1.014	0.851	A		19.2	0.426 - 1.277	0.025	L

Lab: NRLL99
 National Radiation Laboratory
 108 Victoria St
 Christchurch, Christchurch 8001

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.440	0.327	A		34.6	>0.0 - 0.654	0.016	
Gross beta	0.99	0.851	A		16.3	0.426 - 1.277	0.046	

Lab: OBGL01
 Life Science Laboratories, Inc.
 5000 Brittonfield Prkwy
 East Syracuse, NY 13057

Radiological								Units: (Bq/L)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.4809	0.327	A		47.1	>0.0 - 0.654	0.1199	H
Gross beta	0.9038	0.851	A		6.2	0.426 - 1.277	0.1245	

Lab: 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	0.51	0.327	A		56.0	>0.0 - 0.654	0.16	H
Gross beta	0.98	0.851	A		15.2	0.426 - 1.277	.19	

Lab: 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	0.42	0.327	A		28.4	>0.0 - 0.654	0.05	
Gross beta	0.95	0.851	A		11.6	0.426 - 1.277	0.07	

Lab: 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 alpha	0.441	0.327	A		34.9	>0.0 - 0.654	0.053	
Gross beta	1.06	0.851	A		24.6	0.426 - 1.277	.091	

Lab: QUAN01
STL 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	0.5597	0.327	A		71.2	>0.0 - 0.654	0.05972		
Gross beta	1.010	0.851	A		18.7	0.426 - 1.277	0.06371		

Lab: QUAN03
 SEVERN TRENT LABORATORIES RICHLAND
 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	0.486	0.327	A		48.6	>0.0 - 0.654	0.0464	
Gross beta	0.962	0.851	A		13.0	0.426 - 1.277	0.0714	

Lab: 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	0.58	0.327	A		77.4	>0.0 - 0.654	0.13	H
Gross beta	0.72	0.851	A		-15.4	0.426 - 1.277	0.07	

Lab: RSAL01
RSA Laboratories, Inc.
PO Box 61
Hebron, CT 06248

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.34	0.327	A		4.0	>0.0 - 0.654	0.08	H
Gross beta	1.12	0.851	A		31.6	0.426 - 1.277	0.12	

Lab: SCAL01
Sanford Cohen and Associates, Inc.
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	0.524	0.327	A		60.2	>0.0 - 0.654	0.134	H
Gross beta	0.903	0.851	A		6.1	0.426 - 1.277	0.137	

Lab: 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	0.48	0.327	A		46.8	>0.0 - 0.654	0.15	H
Gross beta	0.93	0.851	A		9.3	0.426 - 1.277	0.24	H

Lab: SLDL01
 Scientific Laboratory Division
 700 Camino de Salud NE
 Albuquerque, NM 87196-4700

Radiological								Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	
Gross alpha	0.437	0.327	A		33.6	>0.0 - 0.654	0.054		
Gross beta	0.965	0.851	A		13.4	0.426 - 1.277	0.096		

Lab: 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	0.59	0.327	A		80.4	>0.0 - 0.654	0.16	H
Gross beta	1.18	0.851	A		38.7	0.426 - 1.277	0.19	

Lab: 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	0.472	0.327	A		44.3	>0.0 - 0.654	0.0730	
Gross beta	0.0865	0.851	N		-89.8	0.426 - 1.277	0.0689	H

Lab: 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	.463	0.327	A		41.6	>0.0 - 0.654	.07	
Gross beta	.984	0.851	A		15.6	0.426 - 1.277	.044	

Lab: 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	0.502	0.327	A		53.5	>0.0 - 0.654	0.218	H
Gross beta	0.975	0.851	A		14.6	0.426 - 1.277	0.150	

Lab: 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	0.45	0.327	A		37.6	>0.0 - 0.654	0.08	
Gross beta	0.90	0.851	A		5.8	0.426 - 1.277	0.14	

Lab: TMAE01
 Eberline Services, Inc.
 7021 Pan American Freeway N.E.
 Albuquerque, NM 87109-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.702	0.327	N		114.7	>0.0 - 0.654	0.108	
Gross beta	0.927	0.851	A		8.9	0.426 - 1.277	0.109	

Lab: 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 alpha	0.463	0.327	A		41.6	>0.0 - 0.654	0.15	H
Gross beta	0.995	0.851	A		16.9	0.426 - 1.277	0.183	

Lab: TMAR01
 Eberline Services
 2030 Wright Ave
 Richmond, CA 94804-0040

Radiological								Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	
Gross alpha	0.278	0.327	A		-15.0	>0.0 - 0.654	0.088	H	
Gross beta	0.89	0.851	A		4.6	0.426 - 1.277	0.118		

Lab: 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	0.50	0.327	A		52.9	>0.0 - 0.654	0.12	H
Gross beta	NR	0.851				0.426 - 1.277		

Lab: 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	0.404	0.327	A		23.5	>0.0 - 0.654	0.045	
Gross beta	1.18	0.851	A		38.7	0.426 - 1.277	0.073	

Lab: WEST04
 PACE ANALYTICAL SERVICES WALTZ MILL SITE
 P.O. BOX 158
 MADISON, PA 15663-0158

Radiological								Units: (Bq/L)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.543	0.327	A		66.1	>0.0 - 0.654	0.151	H
Gross beta	0.855	0.851	A		0.5	0.426 - 1.277	0.182	H

Lab: 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	0.54	0.327	A		65.1	>0.0 - 0.654	0.15	H
Gross beta	0.9	0.851	A		5.8	0.426 - 1.277	0.13	

Lab: WVDP01
 WVDP Environmental Laboratory
 10282 Rock Springs Road
 West Valley, NY 14171

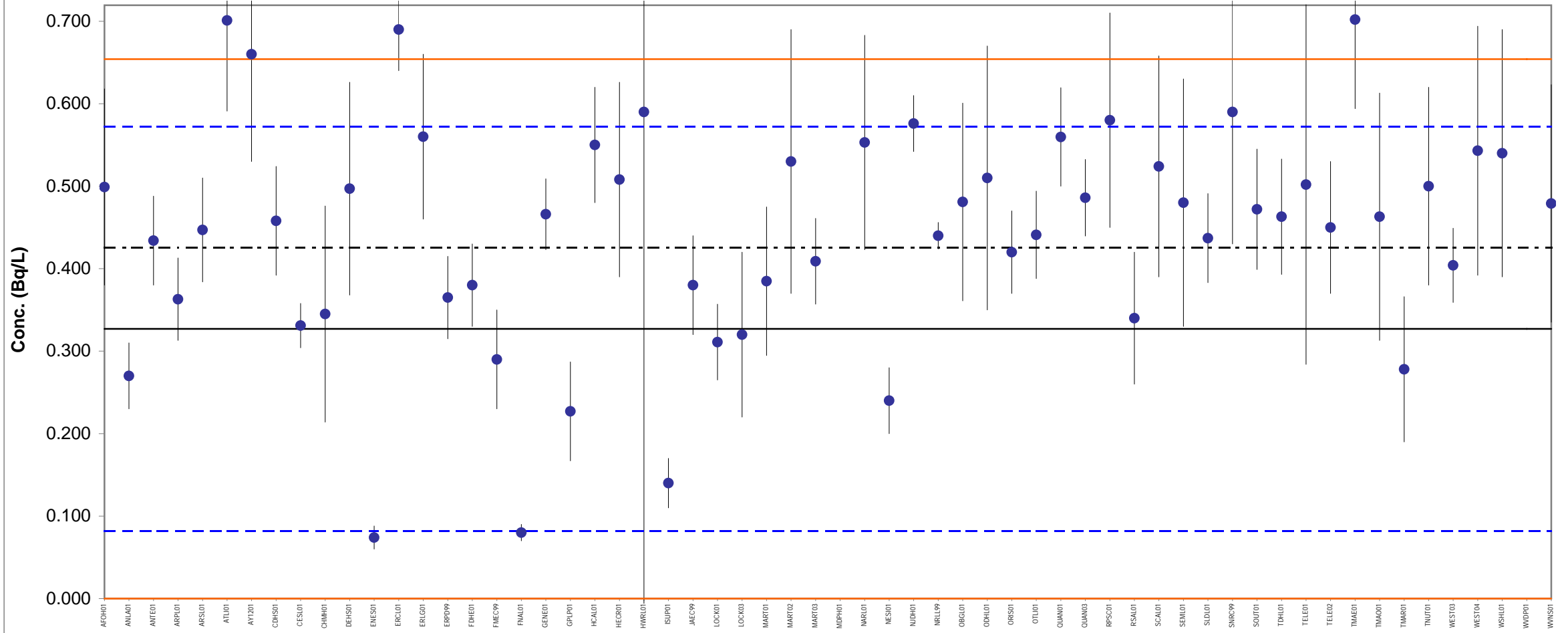
Radiological								Units: (Bq/L)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.951	0.327	N		190.8	>0.0 - 0.654	0.0797	
Gross beta	0.944	0.851	A		10.9	0.426 - 1.277	0.0666	

Lab: WVNS01
West Valley Nuclear Services
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	0.479	0.327	A		46.5	>0.0 - 0.654	.144	H
Gross beta	1.41	0.851	N		65.7	0.426 - 1.277	0.423	H

Gross alpha MAPEP-07-GrW17

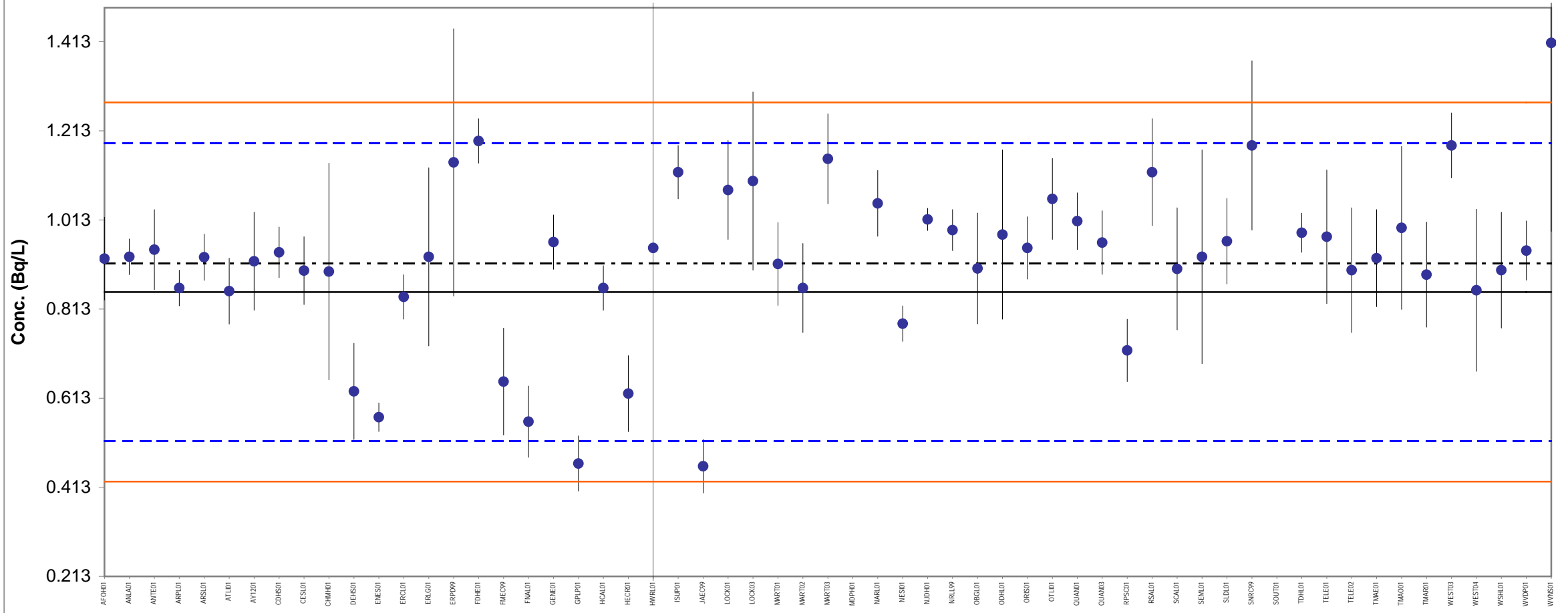
- Lab Result
- Ref. Value 0.327
- - - Mean 0.425
- +/-100% of Ref. Value
- - - +/-95% Confidence Interval



Lab ID

Gross beta MAPEP-07-GrW17

- Lab Result
- Ref. Value 0.851
- - - Mean 0.915
- +/-50% of Ref. Value
- - - +/-95% Confidence Interval



Lab ID