

Laboratories NOT Reporting GrF17

Lab Code	Lab Name	Standard
CORE02	STL Denver	GrF
KAST99	Environmental Studies Laboratory	GrF
MSTH99	Radioecology	GrF
NTSI01	Nuclear Technology Services, Inc.	GrF
ODHL01	Ohio Department of Health Laboratory	GrF
RECC01	GEL Laboratories of Ohio, LLC	GrF
SSFL01	Santa Susana Field Laboratory	GrF
URSL01	UNLV Radioanalytical Service Laboratory	GrF

Laboratories Reporting GrF17

Lab Code	Lab Name	Standard
AFOH01	AFIOH/SDRR	GrF
ANLA01	Argonne National Laboratory/Analytical Chemistry Lab.	GrF
ARPL01	Analytical Support Operations - Radiochemical Processing Lab	GrF
ARSL01	American Radiation Services Inc.	GrF
ATLI01	ATL International, Inc.	GrF
AY1201	BWXT Y-12, Analytical Chemistry Organization Laboratory	GrF
CDHS01	California Department of Health Services	GrF
CESL01	Lawrence Livermore National Laboratory - EMRL	GrF
CHMH01	222-S Laboratory	GrF
DEHS01	Department of Environmental Health & Safety	GrF
ENES01	Energy Northwest Environmental Services	GrF
ERCL01	Public Health Laboratories	GrF
ERHD99	Radiation Protection Bureau ERHD NMS	GrF
ERLG01	Environmental Radiation Laboratory	GrF
FDHE01	Florida Dept of Health Environmental Laboratory	GrF
FDOH01	Florida Dept. of Health, Mobile Environmental Radiological Lab	GrF
FMEC99	Food and Environment Monitoring Center	GrF
FNAL01	Fermi National Accelerator Laboratory (FermiLab)	GrF
GENE01	GEL Laboratories, LLC	GrF
GPLP01	GPL Laboratories, LLLP	GrF
HCAL01	Hazards Control Analytical Lab	GrF
HECR01	SC Dept. Health and Environmental Control Radiological	GrF
HERR01	Washington Closure Hanford	GrF
ISUP01	ISU - Department of Physics/Health Physics/EAL	GrF
JAEC99	Radiation Measurements Laboratory	GrF
KSCF01	Kennedy Space Center, HP Laboratory	GrF
LOCK01	ICP Analytical Laboratories Department	GrF
LOCK03	Reactor Technology Complex (RTC) Radioanalytical Laboratory	GrF
MART02	United States Enrichment Corporation	GrF
MART03	Radioactive Material Analysis Laboratory	GrF

MDPH01	MDPH-Radiation Control Program	GrF
NARL01	National Air and Radiation Environmental Laboratory	GrF
NESI01	BWXT Services-Radioisotope & Analytical Chemistry Laboratory	GrF
NJDH01	New Jersey Dept. of Health & Senior Services, PHEL, ECLS	GrF
OBGL01	Life Science Laboratories, Inc.	GrF
ORIS01	ORISE/ESSAP	GrF
OTLI01	Outreach Technologies, Inc.	GrF
PBRF01	NASA Plum Brook Reactor Facility Lab	GrF
QUAN01	STL St. Louis	GrF
QUAN03	SEVERN TRENT LABORATORIES RICHLAND	GrF
RMCL99	Royal Scientific Society - Radiation Measurements Lab	GrF
RPCR01	CH2M Hill RadCon Program Count Room	GrF
RPSC01	Radiation Protection Service	GrF
RSAL01	RSA Laboratories, Inc.	GrF
SCAL01	Sanford Cohen and Associates, Inc.	GrF
SECR01	SECRA ETPP count lab	GrF
SEML01	SRS Environmental Monitoring Laboratory	GrF
SLDL01	Scientific Laboratory Division	GrF
SOUT01	Southwest Research Institute	GrF
SRPD01	Sandia National Laboratories, Radiation Protection Sample	GrF
TDHL01	Texas Department of State Health Services Laboratory	GrF
TELE01	TELEDYNE BROWN ENGINEERING - ENVIRONMENTAL	GrF
TELE02	Environmental, Inc., Midwest Lab	GrF
TMAE01	Eberline Services, Inc.	GrF
TMAO01	EBERLINE SERVICES OAK RIDGE LABORATORY	GrF
TMAR01	Eberline Services	GrF
TNUT01	FUSRAP	GrF
WEST03	Waste Sampling and Characterization Facility	GrF
WEST04	PACE ANALYTICAL SERVICES WALTZ MILL SITE	GrF
WIPP01	WIPP Laboratories	GrF
WSHL01	Wisconsin State Laboratory of Hygiene	GrF
WVDP01	WVDP Environmental Laboratory	GrF
WVPL01	WVDP Radiation Protection Lab	GrF

Setup and Process Data

MAPEP-07-GrF17

Analyte	Ref. Value	Total Ref.	Uncertainty	F.P.	S.E.
Gross alpha	0.601		0.010		
Gross beta	0.441		0.007		

Sample Statistical Summary

MAPEP-07-GrF17

Analyte	T(1)	A(2)	Grand Mean	Standard Deviation	Ref Value	Analyte Text	Acceptance Range	Units
Gross alpha	62	62	0.394	0.231	0.601		>0.0 - 1.202	(Bq/sample)
Gross beta	63	58	0.483	0.067	0.441		0.221 - 0.662	(Bq/sample)

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 - GrF17

Generated May 24, 2007

Radiological			
Analyte	A	W	N
Gross alpha	62		
Gross beta	58		5



Mixed Analyte
Performance Evaluation Program

MAPEP-07-GrF17

Gross alpha/beta air filter

Combined Report

Printed May 24, 2007

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.666	0.601	A		10.8	>0.0 - 1.202	0.118	
Gross beta	0.447	0.441	A		1.4	0.221 - 0.662	0.077	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.19	0.601	A		-68.4	>0.0 - 1.202	0.02	
Gross beta	0.50	0.441	A		13.4	0.221 - 0.662	0.02	

Lab: ARPL01
 Analytical Support Operations - Radiochemical Processing Lab
 PO Box 999
 Richland, WA 99354

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.174	0.601	A		-71.0	>0.0 - 1.202	0.001	L
Gross beta	0.443	0.441	A		0.5	0.221 - 0.662	0.021	

Lab: ARSL01
 American Radiation Services Inc.
 2609 North River Road
 Port Allen, LA 70767

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.177	0.601	A		-70.5	>0.0 - 1.202	.049	H
Gross beta	.442	0.441	A		0.2	0.221 - 0.662	0.067	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.171	0.601	A		-71.5	>0.0 - 1.202	0.020	
Gross beta	0.440	0.441	A		-0.2	0.221 - 0.662	0.022	

Lab: AY1201
BWXT Y-12, Analytical Chemistry Organization Laboratory
Y12, NSC, Bldg. 9995, Rm 142
Oak Ridge, TN 37831-8189

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.231	0.601	A		-61.6	>0.0 - 1.202	0.019	
Gross beta	0.488	0.441	A		10.7	0.221 - 0.662	0.027	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.325	0.601	A		-45.9	>0.0 - 1.202	0.022	
Gross beta	0.477	0.441	A		8.2	0.221 - 0.662	0.016	

Lab: CESL01
 Lawrence Livermore National Laboratory - EMRL
 7000 East Avenue
 Livermore, CA 94551

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	1.43E-01	0.601	A		-76.2	>0.0 - 1.202	3.90E-03	L
Gross beta	4.78E-01	0.441	A		8.4	0.221 - 0.662	9.08E-03	L

Lab: CHMH01
 222-S Laboratory
 P.O. Box 250, MS T6-10
 Richland, WA 99354

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.128	0.601	A		-78.7	>0.0 - 1.202	0.018	
Gross beta	0.440	0.441	A		-0.2	0.221 - 0.662	0.029	

Lab: DEHS01
 Department of Environmental Health & Safety
 North Carolina State Univ.
 Raleigh, NC 27695-8007

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.308	0.601	A		-48.8	>0.0 - 1.202	0.033	
Gross beta	0.432	0.441	A		-2.0	0.221 - 0.662	0.022	

Lab: ENES01
 Energy Northwest Environmental Services
 350 Hills St., Suite 107
 Richland, WA 99354

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.167	0.601	A		-72.2	>0.0 - 1.202	.008	
Gross beta	0.407	0.441	A		-7.7	0.221 - 0.662	.01	L

Lab: ERCL01
 Public Health Laboratories
 1610 N.E. 150 th Srteet
 Shoreline, WA 98155-9701

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.189	0.601	A		-68.6	>0.0 - 1.202	.018	
Gross beta	.463	0.441	A		5.0	0.221 - 0.662	.015	

Lab: ERHD99
 Radiation Protection Bureau ERHD NMS
 775 Brookfield Road AL6302D1
 Ottawa, Ontario K1A 1C1

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	NR	0.601				>0.0 - 1.202		
Gross beta	0.565	0.441	A		28.1	0.221 - 0.662	0.0289	

Lab: ERLG01
 Environmental Radiation Laboratory
 Georgia Institute of Tech.
 Atlanta, GA 30332

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.56	0.601	A		-6.8	>0.0 - 1.202	.04	
Gross beta	.42	0.441	A		-4.8	0.221 - 0.662	.08	

Lab: FDHE01
 Florida Dept of Health Environmental Laboratory
 PO Box 680069
 Orlando, FL 32868-0069

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.11	0.601	A		-81.7	>0.0 - 1.202	0.01	
Gross beta	0.50	0.441	A		13.4	0.221 - 0.662	0.02	

Lab: FDOH01
 Florida Dept. of Health, Mobile Environmental Radiological Lab
 PO Box 680069
 Orlando, FL 32868-0069

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.069	0.601	A		-88.5	>0.0 - 1.202	0.017	H
Gross beta	0.717	0.441	N		62.6	0.221 - 0.662	0.097	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.68	0.601	A		13.1	>0.0 - 1.202	0.2	H
Gross beta	0.51	0.441	A		15.6	0.221 - 0.662	0.15	H

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.30	0.601	A		-50.1	>0.0 - 1.202	0.06	
Gross beta	0.52	0.441	A		17.9	0.221 - 0.662	0.08	

Lab: GENE01
GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.254	0.601	A		-57.7	>0.0 - 1.202	0.006	L
Gross beta	0.567	0.441	A		28.6	0.221 - 0.662	0.007	L

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.376	0.601	A		-37.4	>0.0 - 1.202	0.055	
Gross beta	0.246	0.441	A		-44.2	0.221 - 0.662	0.030	

Lab: HCAL01
 Hazards Control Analytical Lab
 Lawrence Livermore National
 Livermore, CA 94551

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.32	0.601	A		-46.8	>0.0 - 1.202	.04	
Gross beta	.55	0.441	A		24.7	0.221 - 0.662	.04	

Lab: HECR01
 SC Dept. Health and Environmental Control Radiological Laboratory
 2600 Bull St.
 Columbia, SC 29201

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.172	0.601	A		-71.4	>0.0 - 1.202	0.030	
Gross beta	0.5661	0.441	A		28.4	0.221 - 0.662	0.046	

Lab: HERR01
 Washington Closure Hanford
 Radiological Counting Facility
 Richland, WA 99352

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	1.65E-1	0.601	A		-72.5	>0.0 - 1.202	8.84E-2	H
Gross beta	7.08E-1	0.441	N		60.5	0.221 - 0.662	2.05E-1	H

Lab: ISUP01
 ISU - Department of Physics/Health Physics/EAL
 785 S. 8th Ave, Rm 120
 Pocatello, ID 83209-8106

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.20	0.601	A		-66.7	>0.0 - 1.202	0.01	
Gross beta	0.50	0.441	A		13.4	0.221 - 0.662	0.02	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.62	0.601	A		3.2	>0.0 - 1.202	0.091	
Gross beta	0.246	0.441	A		-44.2	0.221 - 0.662	0.032	

Lab: KSCF01
Kennedy Space Center, HP Laboratory
CHS-022
Kennedy Space Center, FL 32899

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.3445	0.601	A		-42.7	>0.0 - 1.202	0.015	
Gross beta	0.804	0.441	N		82.3	0.221 - 0.662	0.028	

Lab: LOCK01
 ICP Analytical Laboratories Department
 CH2M-WG Idaho, LLC
 Idaho Falls, ID 83415-5210

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.209	0.601	A		-65.2	>0.0 - 1.202	0.011	
Gross beta	0.459	0.441	A		4.1	0.221 - 0.662	0.015	

Lab: LOCK03
 Reactor Technology Complex (RTC) Radioanalytical Laboratory
 INL/Battelle Energy Alliance, LLC
 Scoville, ID 83415-7111

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.25	0.601	A		-58.4	>0.0 - 1.202	0.02	
Gross beta	0.52	0.441	A		17.9	0.221 - 0.662	0.03	

Lab: MART02
 United States Enrichment Corporation
 PO Box 1410
 Paducah, KY 42002

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.615	0.601	A		2.3	>0.0 - 1.202	0.166	H
Gross beta	0.530	0.441	A		20.2	0.221 - 0.662	0.03806	

Lab: MART03
 Radioactive Material Analysis Laboratory
 ORNL
 Oak Ridge, TN 37831-6223

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.241	0.601	A		-59.9	>0.0 - 1.202	0.011	
Gross beta	0.464	0.441	A		5.2	0.221 - 0.662	0.020	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.95	0.601	A		58.1	>0.0 - 1.202	0.03	
Gross beta	1.14	0.441	N		158.5	0.221 - 0.662	0.03	L

Lab: NARL01
 National Air and Radiation Environmental Laboratory
 540 S. Morris Ave.
 Montgomery, AL 36115-2601

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.653	0.601	A		8.7	>0.0 - 1.202	0.103	
Gross beta	0.4940	0.441	A		12.0	0.221 - 0.662	0.0513	

Lab: NESI01
 BWXT Services-Radioisotope & Analytical Chemistry Laboratory
 Lynchburg Technology Center
 Lynchburg, VA 24504-5447

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.4	0.601	A		-33.4	>0.0 - 1.202	0.04	
Gross beta	0.37	0.441	A		-16.1	0.221 - 0.662	0.02	

Lab: NJDH01

New Jersey Dept. of Health & Senior Services, PHEL, ECLS
Market and Warren Streets
Trenton, NJ 08625-0361

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.641	0.601	A		6.7	>0.0 - 1.202	0.014	L
Gross beta	0.522	0.441	A		18.4	0.221 - 0.662	0.052	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.4529	0.601	A		-24.6	>0.0 - 1.202	0.0666	
Gross beta	0.4893	0.441	A		11.0	0.221 - 0.662	0.0626	

Lab: ORIS01
ORISE/ESSAP
PO Box 117
Oak Ridge, TN 37831-0117

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.96	0.601	A		59.7	>0.0 - 1.202	0.03	
Gross beta	0.48	0.441	A		8.8	0.221 - 0.662	0.02	

Lab: OTLI01
 Outreach Technologies, Inc.
 311 N. Aspen
 Broken Arrow, OK 74012-

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.405	0.601	A		-32.6	>0.0 - 1.202	.031	
Gross beta	0.444	0.441	A		0.7	0.221 - 0.662	0.035	

Lab: PBRF01
NASA Plum Brook Reactor Facility Lab
6100 Columbus Ave
Sandusky, OH 44870

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.35	0.601	A		-41.8	>0.0 - 1.202	0.07	H
Gross beta	0.73	0.441	N		65.5	0.221 - 0.662	0.10	

Lab: QUAN01
 STL St. Louis
 13715 Rider Trail North
 Earth City, MO 63045-

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.3477	0.601	A		-42.1	>0.0 - 1.202	0.01842	
Gross beta	0.6071	0.441	A		37.7	0.221 - 0.662	0.03107	

Lab: QUAN03
 SEVERN TRENT LABORATORIES RICHLAND
 2800 GEORGE WASHINGTON WAY
 RICHLAND, WA 99354-

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.298	0.601	A		-50.4	>0.0 - 1.202	0.0333	
Gross beta	0.515	0.441	A		16.8	0.221 - 0.662	0.041	

Lab: RMCL99
 Royal Scientific Society - Radiation Measurements Lab
 Ahmad Al-Tarawneh Str.
 Al-Jubaiha, Amman 11941

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.552	0.601	A		-8.2	>0.0 - 1.202	.017	
Gross beta	.542	0.441	A		22.9	0.221 - 0.662	.02	

Lab: RPCR01
 CH2M Hill RadCon Program Count Room
 2440 Steven Drive
 Richland, WA 99352

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.303	0.601	A		-49.6	>0.0 - 1.202	0.04	
Gross beta	0.564	0.441	A		27.9	0.221 - 0.662	0.05	

Lab: RPSC01
 Radiation Protection Service
 Ontario Ministry of Labour
 Weston, Ontario M9P 3T1

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.12	0.601	A		-80.0	>0.0 - 1.202	0.02	
Gross beta	0.51	0.441	A		15.6	0.221 - 0.662	0.10	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	.25	0.601	A		-58.4	>0.0 - 1.202	.03	
Gross beta	0.56	0.441	A		27.0	0.221 - 0.662	0.05	

Lab: SCAL01
 Sanford Cohen and Associates, Inc.
 1000 Monticello Court
 Montgomery, AL 36117-

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.422	0.601	A		-29.8	>0.0 - 1.202	0.107	H
Gross beta	0.490	0.441	A		11.1	0.221 - 0.662	0.075	

Lab: SECR01
 SECRA ETPP count lab
 SEC c/o ETPP Rt. 58 Gallaher Rd.
 Oak Ridge, TN 37830

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.505	0.601	A		-16.0	>0.0 - 1.202	0.038	
Gross beta	0.583	0.441	A		32.2	0.221 - 0.662	0.046	

Lab: SEML01
 SRS Environmental Monitoring Laboratory
 Bldg 735-B
 Aiken, SC 29808

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.34	0.601	A		-43.4	>0.0 - 1.202	0.03	
Gross beta	0.46	0.441	A		4.3	0.221 - 0.662	0.04	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.75	0.601	A		24.8	>0.0 - 1.202	0.12	
Gross beta	0.49	0.441	A		11.1	0.221 - 0.662	0.08	

Lab: SOUT01
 Southwest Research Institute
 6220 Culebra Rd.
 San Antonio, TX 78228-0510

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	1.01	0.601	A		68.1	>0.0 - 1.202	0.110	
Gross beta	0.532	0.441	A		20.6	0.221 - 0.662	0.068	

Lab: SRPD01

Sandia National Laboratories, Radiation Protection Sample Diagnostics
PO Box 5800, MS1103
Albuquerque, NM 87185-0305

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.704	0.601	A		17.1	>0.0 - 1.202	0.046	
Gross beta	0.442	0.441	A		0.2	0.221 - 0.662	0.077	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.703	0.601	A		17.0	>0.0 - 1.202	0.048	
Gross beta	0.500	0.441	A		13.4	0.221 - 0.662	0.033	

Lab: TELE01
 TELEDYNE BROWN ENGINEERING - ENVIRONMENTAL SERVICES
 2508 Quality Lane
 Knoxville, TN 37931-6819

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.353	0.601	A		-41.3	>0.0 - 1.202	0.046	
Gross beta	0.500	0.441	A		13.4	0.221 - 0.662	0.047	

Lab: TELE02
 Environmental, Inc., Midwest Lab
 700 Landwehr Road
 Northbrook, IL 60062-

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.27	0.601	A		-55.1	>0.0 - 1.202	0.04	
Gross beta	0.57	0.441	A		29.3	0.221 - 0.662	0.047	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.304	0.601	A		-49.4	>0.0 - 1.202	0.028	
Gross beta	0.483	0.441	A		9.5	0.221 - 0.662	0.041	

Lab: TMAO01
 EBERLINE SERVICES OAK RIDGE LABORATORY
 601 SCARBORO RD
 OAK RIDGE, TN 37830-

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.387	0.601	A		-35.6	>0.0 - 1.202	0.021	
Gross beta	0.54	0.441	A		22.4	0.221 - 0.662	0.024	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.7	0.601	A		16.5	>0.0 - 1.202	0.123	
Gross beta	0.478	0.441	A		8.4	0.221 - 0.662	0.062	

Lab: TNUT01
FUSRAP
8945 LATTY AVE
BERKELEY, MO 63134-

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.38	0.601	A		-36.8	>0.0 - 1.202	0.02	
Gross beta	0.52	0.441	A		17.9	0.221 - 0.662	0.02	

Lab: WEST03
 Waste Sampling and Characterization Facility
 PO Box 1000, S3-30
 Richland, WA 99352

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.375	0.601	A		-37.6	>0.0 - 1.202	0.022	
Gross beta	0.513	0.441	A		16.3	0.221 - 0.662	0.028	

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

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.4977	0.601	A		-17.2	>0.0 - 1.202	0.1000	H
Gross beta	0.4170	0.441	A		-5.4	0.221 - 0.662	0.0819	

Lab: WIPP01
WIPP Laboratories
1400 University Drive
Carlsbad, NM 88220

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	3.40E-01	0.601	A		-43.4	>0.0 - 1.202	2.15E-02	
Gross beta	4.40E-01	0.441	A		-0.2	0.221 - 0.662	2.54E-02	

Lab: WSHL01
Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive
Madison, WI 53718

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.9	0.601	A		49.8	>0.0 - 1.202	0.13	
Gross beta	0.43	0.441	A		-2.5	0.221 - 0.662	0.04	

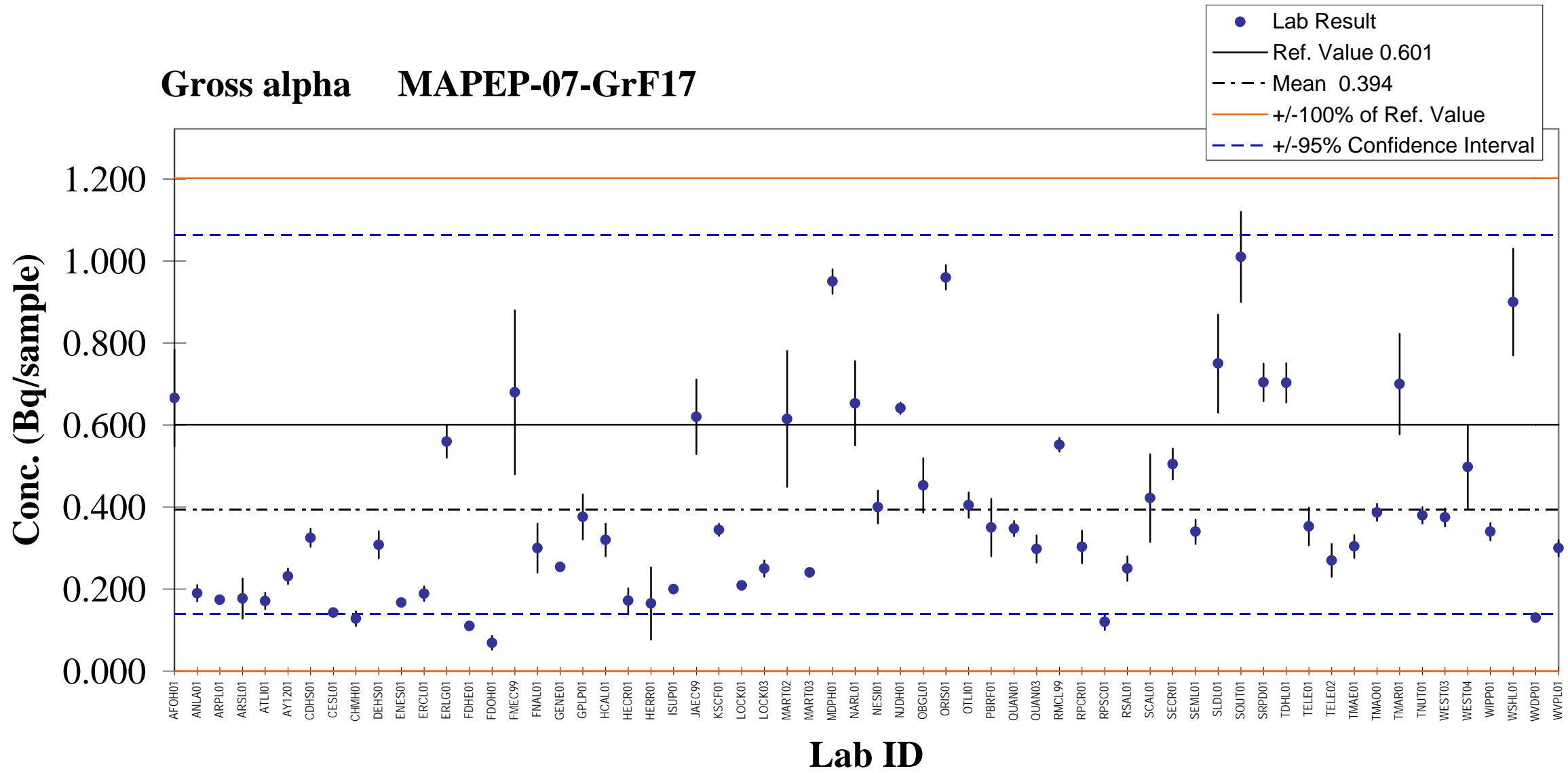
Lab: WVDP01
 WVDP Environmental Laboratory
 10282 Rock Springs Road
 West Valley, NY 14171

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.130	0.601	A		-78.4	>0.0 - 1.202	0.00553	
Gross beta	0.484	0.441	A		9.8	0.221 - 0.662	0.0106	L

Lab: WVPL01
 WVDP Radiation Protection Lab
 10282 Rock Springs Rd
 West Valley, NY 14171

Radiological					Units: (Bq/sample)			
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	0.30	0.601	A		-50.1	>0.0 - 1.202	0.02	
Gross beta	0.44	0.441	A		-0.2	0.221 - 0.662	0.02	

Gross alpha MAPEP-07-GrF17



Gross beta MAPEP-07-GrF17

