

RESL CUSTOMER EXPORT CONTROL AGREEMENT

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

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

Query Results

Generated November 13, 2012

Lab Code	Lab Name
1 ANTE01	ALS Environmental
2 AREV01	AREVA - CMC
3 ARPL01	Analytical Support Operations - Radiochemical Processing Lab
4 ARSL01	American Radiation Services LLC
5 AY1201	B&W Y-12, Analytical Chemistry Organization Laboratory
6 CDHS01	California Department of Public Health
7 CHMH01	222-S Laboratory
8 DRMG01	B&W Pantex - D&RMG
9 ERCL01	Washington State Public Health Laboratories
10 ESGL99	Environmental Scientifics Group
11 EULC01	EnergySolutions, LLC
12 FDHE01	Florida Dept of Health Environmental Laboratory
13 FDOH01	Florida Dept. of Health, Mobile Environmental Radiological Lab
14 GENE01	GEL Laboratories, LLC
15 NARL01	National Air and Radiation Environmental Laboratory
16 NARL02	USEPA - NAREL - MERL
17 NESI01	B&W Technical Services-Radioisotope & Analytical Chemistry Laboratory
18 ORIS01	ORISE/IEAV
19 OTLI01	Outreach Technologies, Inc.
20 QUAN01	TestAmerica St. Louis
21 QUAN03	TestAmerica
22 SAVA01	SAVANNAH RIVER NUCLEAR SOLUTIONS (SRNS)
23 SEML01	SRS Environmental Monitoring Laboratory
24 SOUT01	Southwest Research Institute
25 SRPD01	Sandia National Laboratories, Radiation Protection Sample Diagnostics
26 TELE02	Environmental, Inc., Midwest Lab
27 TMAO01	EBERLINE SERVICES OAK RIDGE LABORATORY
28 TMAR01	Eberline Analytical Corp. Richmond CA Lab
29 WEST03	Waste Sampling and Characterization Facility, MSA
30 WEST04	PACE ANALYTICAL SERVICES, PITTSBURGH
31 WSHL01	Wisconsin State Laboratory of Hygiene

XaW27 Laboratories Not Reporting Data

1 AREV01	AREVA - CMC
2 ARPL01	Analytical Support Operations - Radiochemical Processing Lab
3 AY1201	B&W Y-12, Analytical Chemistry Organization Laboratory
4 DRMG01	B&W Pantex - D&RMG
5 TMAR01	Eberline Analytical Corp. Richmond CA Lab

Setup and Process Data

MAPEP-12-XaW27

Analyte	Ref. Value	Total Ref.	Uncertainty	F.P.	S.E.
Radiological					
Iodine-129	6.82		0.10		

Sample Statistical Summary

MAPEP-12-XaW27

Analyte	T(1)	A(2)	Grand(3) Mean	Std Dev	Ref Value	Ref Unc	Acceptance Range
Radiological							Units: (Bq/L)
Iodine-129	26	25	6.40	0.64	6.82	0.10	4.77 - 8.87

Note: (1) T = Total number of laboratories reporting analyte.
 (2) A = Number of laboratories with 'Acceptable' performance.
 (3) Mean excludes values derived as total metals and values indicated as "Not Acceptable".

Other Flags:

A = Result acceptable Bias $\leq 20\%$
 W = Result acceptable with warning $20\% < \text{Bias} < 30\%$
 N = Result not acceptable Bias $> 30\%$
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 RW = Report Warning
 NR = Not Reported

Flag Summary Report

Study: MAPEP-12-XaW27: Alkaline Radiological water standard   

Radiological

Analyte	A	W	RW	N
Iodine-129	22	3		1



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

Laboratory Results For MAPEP-12-XaW27

(ANTE01) ALS Environmental
 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
Iodine-129	5.9	6.82	A		-13.5	4.77 - 8.87	1.6	H

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (ARSL01) American Radiation Services LLC
 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
Iodine-129	5.39	6.82	W		-21.0	4.77 - 8.87	0.470	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (CDHS01) California Department of Public Health
 Drinking Water & Radiation Lab.
 Richmond, CA 94804-6403

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Iodine-129	6.8	6.82	A		-0.3	4.77 - 8.87	0.41	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27

(CHMH01) 222-S Laboratory

P.O. Box 250, MS T6-10

Richland, WA 99352

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Iodine-129	4.44	6.82	N		-34.9	4.77 - 8.87	0.985	H

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (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
Iodine-129	5.34	6.82	W		-21.7	4.77 - 8.87	0.09	L

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (ESGL99) Environmental Scientifics Group
 Unit 12 Moorbrook
 Didcot, Oxfordshire OX11 8QT

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Iodine-129	6.87	6.82	A		0.7	4.77 - 8.87	0.90	

Radiological Reference Date: August 1, 2012

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- W = Result acceptable with warning $20\% < \text{Bias} < 30\%$
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Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-12-XaW27

(EULC01) EnergySolutions, LLC

I-80, Exit 46

Clive, UT 84029

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Iodine-129	7.132	6.82	A		4.6	4.77 - 8.87	.297	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (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
Iodine-129	6.54	6.82	A		-4.1	4.77 - 8.87	0.68	

Radiological Reference Date: August 1, 2012

Other Flags:

- A = Result acceptable Bias <=20%
- W = Result acceptable with warning 20% < Bias < 30%
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Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-12-XaW27

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

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Iodine-129	5.950	6.82	A		-12.8	4.77 - 8.87	0.413	

Radiological Reference Date: August 1, 2012

Other Flags:

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- W = Result acceptable with warning $20\% < \text{Bias} < 30\%$
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Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-12-XaW27

(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
Iodine-129	6.229	6.82	A		-8.7	4.77 - 8.87	0.285	

Radiological Reference Date: August 1, 2012

Other Flags:

- A = Result acceptable Bias $\leq 20\%$
- W = Result acceptable with warning $20\% < \text{Bias} < 30\%$
- N = Result not acceptable Bias $> 30\%$
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Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-12-XaW27

(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
Iodine-129	7.16	6.82	A		5.0	4.77 - 8.87	0.869	

Radiological Reference Date: August 1, 2012

Other Flags:

- A = Result acceptable Bias <=20%
- W = Result acceptable with warning 20% < Bias < 30%
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Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP-12-XaW27

(NARL02) USEPA - NAREL - MERL

540 S Morris Ave

Montgomery, AL 36115

Radiological Units: (Bq/L)

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Iodine-129	5.39	6.82	W		-21.0	4.77 - 8.87	0.394	

Radiological Reference Date: August 1, 2012

Other Flags:

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

Laboratory Results For MAPEP-12-XaW27

(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
Iodine-129	6.91	6.82	A		1.3	4.77 - 8.87	0.75	

Radiological Reference Date: August 1, 2012

Other Flags:

A = Result acceptable Bias $\leq 20\%$

W = Result acceptable with warning $20\% < \text{Bias} < 30\%$

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NR = Not Reported



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

Laboratory Results For MAPEP-12-XaW27

(ORIS01) ORISE/IEAV

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
Iodine-129	6.19	6.82	A		-9.2	4.77 - 8.87	0.39	

Radiological Reference Date: August 1, 2012

Other Flags:

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

Laboratory Results For MAPEP-12-XaW27

(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
Iodine-129	6.10	6.82	A		-10.6	4.77 - 8.87	0.591	

Radiological Reference Date: August 1, 2012

Other Flags:

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W = Result acceptable with warning $20\% < \text{Bias} < 30\%$

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NR = Not Reported



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

Laboratory Results For MAPEP-12-XaW27

(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
Iodine-129	5.56	6.82	A		-18.5	4.77 - 8.87	0.226	

Radiological Reference Date: August 1, 2012

Other Flags:

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

Laboratory Results For MAPEP-12-XaW27

(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
Iodine-129	6.34	6.82	A		-7.0	4.77 - 8.87	0.342	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (SAVA01) SAVANNAH RIVER NUCLEAR SOLUTIONS (SRNS)
 Savannah River National Laboratory (SRNL)
 AIKEN, SC 29808-

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Iodine-129	6.43E+00	6.82	A		-5.7	4.77 - 8.87	4.84E-01	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (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
Iodine-129	6.62	6.82	A		-2.9	4.77 - 8.87	0.64	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (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
Iodine-129	6.1	6.82	A		-10.6	4.77 - 8.87	0.281	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27

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

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Iodine-129	6.4	6.82	A		-6.2	4.77 - 8.87	.9	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (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
Iodine-129	5.73	6.82	A		-16.0	4.77 - 8.87	0.28	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (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
Iodine-129	7.43	6.82	A		8.9	4.77 - 8.87	0.54	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (WEST03) Waste Sampling and Characterization Facility, MSA
 PO Box 650, S3-30
 Richland, WA 99352

Radiological							Units: (Bq/L)	
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Iodine-129	6.96	6.82	A		2.1	4.77 - 8.87	0.50	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (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
Iodine-129	7.241	6.82	A		6.2	4.77 - 8.87	0.6793	

Radiological Reference Date: August 1, 2012

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

Laboratory Results For MAPEP-12-XaW27
 (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
Iodine-129	7.38	6.82	A		8.2	4.77 - 8.87	0.16	L

Radiological Reference Date: August 1, 2012

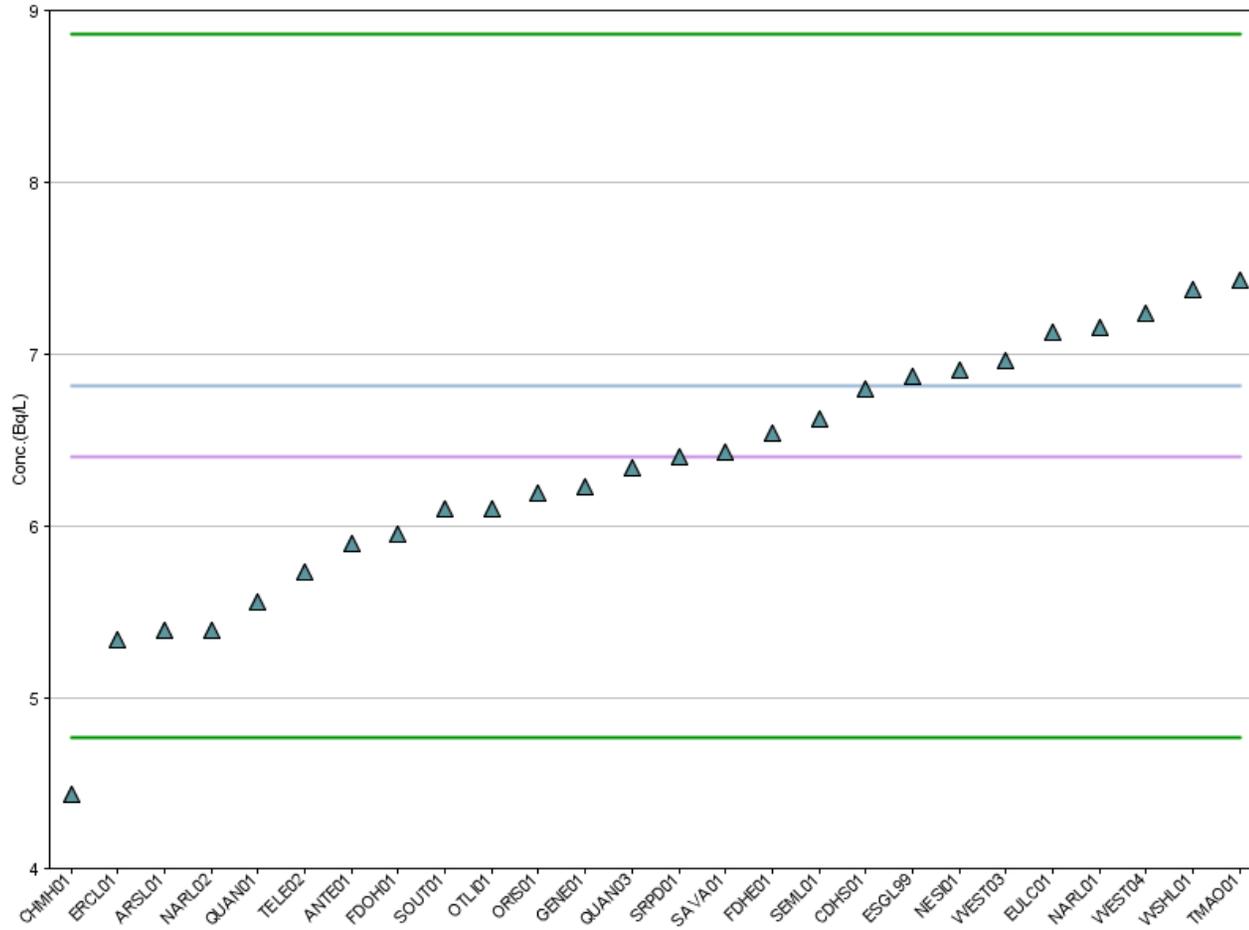
Other Flags:

- A = Result acceptable Bias $\leq 20\%$
- W = Result acceptable with warning $20\% < \text{Bias} < 30\%$
- N = Result not acceptable Bias $> 30\%$
- L = Uncertainty potentially too low (for information purposes only)
- H = Uncertainty potentially too high (for information purposes only)
- RW = Report Warning
- NR = Not Reported

Iodine-129

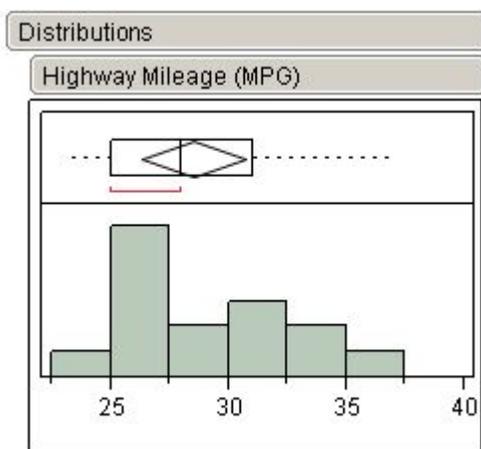
MAPEP-12-XaW27

Ref. Value 6.82 Mean 6.40 Acc. Range

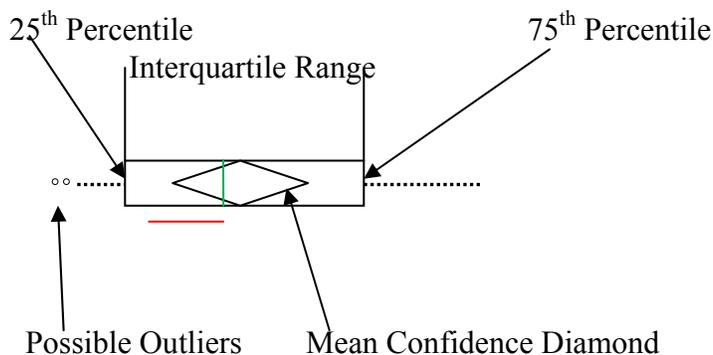


Note: This chart shows only data points with values between 3.20 and 9.60 (± 5 Standard Deviations)

The intent of the distribution graphs contained within this report is to graphically demonstrate to users how % Bias data within the current MAPEP Series appears when examined by matrix, by analyte, by method of sample preparation or by method of detection. The data points (small 'dots') plot the bias (or z-score for organic constituents) of each of the analytes in each of the matrices. The BLACK small vertical line inside the small rectangle at the top of the data distribution graph is the mean of the population of the bias shown for that analyte in the matrix.



Moments	
Mean	28.466667
Std Dev	3.9797104
Std Err Mean	1.0275568
Upper 95% Mean	30.670557
Lower 95% Mean	26.262776
N	15
Sum Wgt	15
Sum	427
Variance	15.838095
Skewness	0.7309964
Kurtosis	-0.165153
CV	13.980247
N Missing	0



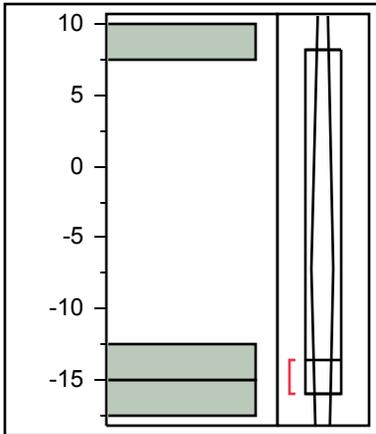
The box plots summarize the distribution of points for each analyte. The ends of the box are the 25th and 75th quantiles. The difference between the quartiles is the interquartile range. The line across the middle of the box identifies the median bias value. Each box has lines, sometimes called whiskers,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

The box plot of the bias data points and the mean visually illustrate the breadth of the distribution and where any potential outliers in the distribution might lie. The moments for the distribution plot are provided below the Bias plot. In some cases, N becomes very small and thus developed statistics may not accurately reflect estimates of the population if N were a significantly larger value.

XaW Distribution by Detection Method

**Distributions Analyte_Detection=Iodine-129 Beta
Counting - 2 pi gas flow proportional counter**

Bias



Quantiles

100.0%	maximum	8.2
99.5%		8.2
97.5%		8.2
90.0%		8.2
75.0%	quartile	8.2
50.0%	median	-13.5
25.0%	quartile	-16
10.0%		-16
2.5%		-16
0.5%		-16
0.0%	minimum	-16

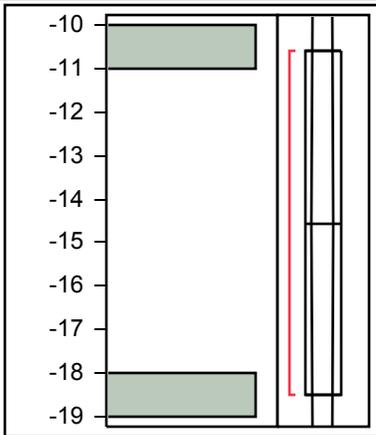
Summary Statistics

Mean	-7.1
Std Dev	13.309019
Std Err Mean	7.683966
Upper 95% Mean	25.961437
Lower 95% Mean	-40.16144
N	3

XaW Distribution by Detection Method

**Distributions Analyte_Detection=Iodine-129
Beta Counting - liquid scintillation counter**

Bias



Quantiles

100.0%	maximum	-10.6
99.5%		-10.6
97.5%		-10.6
90.0%		-10.6
75.0%	quartile	-10.6
50.0%	median	-14.55
25.0%	quartile	-18.5
10.0%		-18.5
2.5%		-18.5
0.5%		-18.5
0.0%	minimum	-18.5

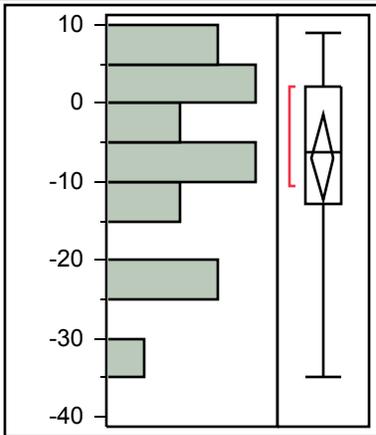
Summary Statistics

Mean	-14.55
Std Dev	5.5861436
Std Err Mean	3.95
Upper 95% Mean	35.639509
Lower 95% Mean	-64.73951
N	2

XaW Distribution by Detection Method

Distributions Analyte_Detection=Iodine-129 Gamma Spectrometry

Bias



Quantiles

100.0%	maximum	8.9
99.5%		8.9
97.5%		8.9
90.0%		6.2
75.0%	quartile	2.1
50.0%	median	-6.2
25.0%	quartile	-12.8
10.0%		-21.7
2.5%		-34.9
0.5%		-34.9
0.0%	minimum	-34.9

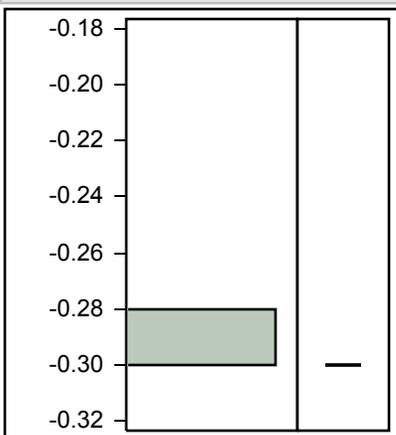
Summary Statistics

Mean	-6.910526
Std Dev	11.50637
Std Err Mean	2.6397423
Upper 95% Mean	-1.364634
Lower 95% Mean	-12.45642
N	19

XaW Distribution by Detection Method

**Distributions Analyte_Detection=Iodine-129
Inductively Coupled Plasma Mass Spectrometry**

Bias



Quantiles

100.0%	maximum	-0.3
99.5%		-0.3
97.5%		-0.3
90.0%		-0.3
75.0%	quartile	-0.3
50.0%	median	-0.3
25.0%	quartile	-0.3
10.0%		-0.3
2.5%		-0.3
0.5%		-0.3
0.0%	minimum	-0.3

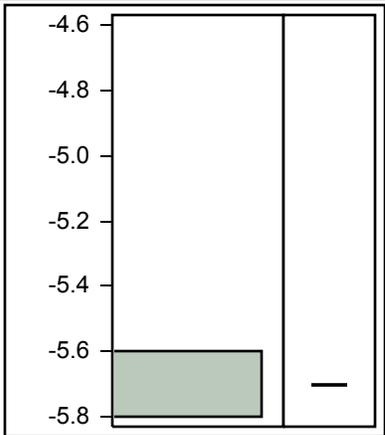
Summary Statistics

Mean	-0.3
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1

XaW Distribution by Detection Method

Distributions
 Analyte_Detection=Iodine-129 Other

Bias



Quantiles

100.0%	maximum	-5.7
99.5%		-5.7
97.5%		-5.7
90.0%		-5.7
75.0%	quartile	-5.7
50.0%	median	-5.7
25.0%	quartile	-5.7
10.0%		-5.7
2.5%		-5.7
0.5%		-5.7
0.0%	minimum	-5.7

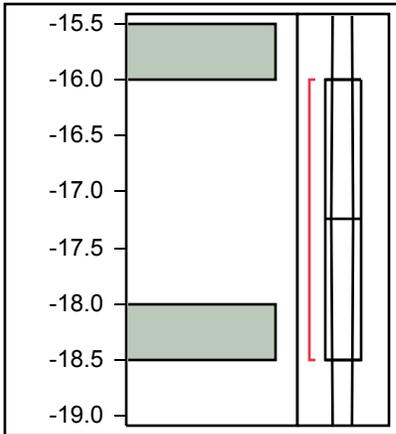
Summary Statistics

Mean	-5.7
Std Dev	.
Std Err Mean	.
Upper 95% Mean	.
Lower 95% Mean	.
N	1

XaW Distribution by Prep Method

Distributions Analyte_Method=Iodine-129 Coprecipitation, acidified

Bias



Quantiles

100.0%	maximum	-16
99.5%		-16
97.5%		-16
90.0%		-16
75.0%	quartile	-16
50.0%	median	-17.25
25.0%	quartile	-18.5
10.0%		-18.5
2.5%		-18.5
0.5%		-18.5
0.0%	minimum	-18.5

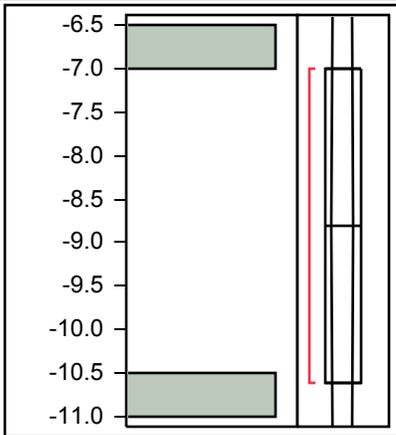
Summary Statistics

Mean	-17.25
Std Dev	1.767767
Std Err Mean	1.25
Upper 95% Mean	-1.367244
Lower 95% Mean	-33.13276
N	2

XaW Distribution by Prep Method

**Distributions Analyte_Method=Iodine-129
EPA 901.1, Gamma Emitting, 600/4-80-032**

Bias



Quantiles

100.0%	maximum	-7
99.5%		-7
97.5%		-7
90.0%		-7
75.0%	quartile	-7
50.0%	median	-8.8
25.0%	quartile	-10.6
10.0%		-10.6
2.5%		-10.6
0.5%		-10.6
0.0%	minimum	-10.6

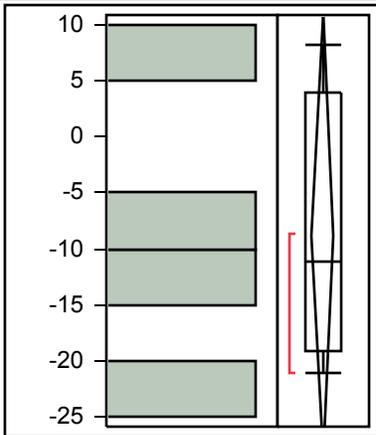
Summary Statistics

Mean	-8.8
Std Dev	2.5455844
Std Err Mean	1.8
Upper 95% Mean	14.071169
Lower 95% Mean	-31.67117
N	2

XaW Distribution by Prep Method

Distributions Analyte_Method=Iodine-129 Ion
Exchange Chromatography / Ion Chromatography

Bias



Quantiles

100.0%	maximum	8.2
99.5%		8.2
97.5%		8.2
90.0%		8.2
75.0%	quartile	3.975
50.0%	median	-11.1
25.0%	quartile	-19.125
10.0%		-21
2.5%		-21
0.5%		-21
0.0%	minimum	-21

Summary Statistics

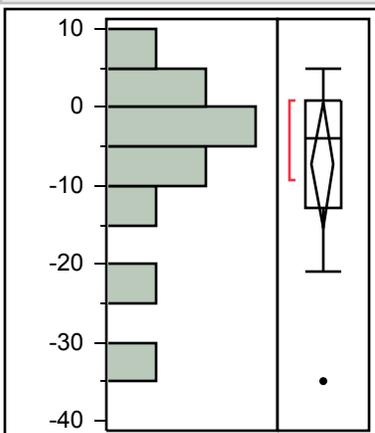
Mean	-8.75
Std Dev	12.381842
Std Err Mean	6.1909208
Upper 95% Mean	10.952273
Lower 95% Mean	-28.45227
N	4

XaW Distribution by Prep Method

Distributions Analyte_Method=Iodine-129

No preparation - analyzed as received

Bias



Quantiles

100.0%	maximum	5
99.5%		5
97.5%		5
90.0%		4.92
75.0%	quartile	0.7
50.0%	median	-4.1
25.0%	quartile	-12.8
10.0%		-32.12
2.5%		-34.9
0.5%		-34.9
0.0%	minimum	-34.9

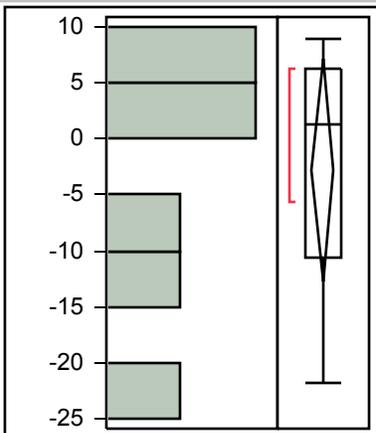
Summary Statistics

Mean	-7.372727
Std Dev	11.916215
Std Err Mean	3.592874
Upper 95% Mean	0.6326949
Lower 95% Mean	-15.37815
N	11

XaW Distribution by Prep Method

Distributions
 Analyte_Method=Iodine-129 Other

Bias



Quantiles

100.0%	maximum	8.9
99.5%		8.9
97.5%		8.9
90.0%		8.9
75.0%	quartile	6.2
50.0%	median	1.3
25.0%	quartile	-10.6
10.0%		-21.7
2.5%		-21.7
0.5%		-21.7
0.0%	minimum	-21.7

Summary Statistics

Mean	-2.785714
Std Dev	10.686195
Std Err Mean	4.039002
Upper 95% Mean	7.0973677
Lower 95% Mean	-12.6688
N	7