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.
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<th>Lab Code</th>
<th>Lab Name</th>
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<tbody>
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<td>ARS International, LLC</td>
<td>XaW</td>
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<td>Consolidated Nuclear Security, LLC, Analytical Chemistry Organization Laboratory</td>
<td>XaW</td>
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<td>CHMH01</td>
<td>222-S Laboratory</td>
<td>XaW</td>
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<td>ERCL01</td>
<td>Washington State Public Health Laboratories</td>
<td>XaW</td>
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<td>EULC01</td>
<td>EnergySolutions, LLC</td>
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<td>FDHE01</td>
<td>Florida Dept of Health Environmental Laboratory</td>
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<td>FDOH01</td>
<td>Florida Dept. of Health, Mobile Environmental Radiological Lab</td>
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<td>GENE01</td>
<td>GEL Laboratories, LLC</td>
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<td>National Analytical Radiation Environmental Laboratory</td>
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<td>NARL02</td>
<td>USEPA - NAREL - MERL</td>
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<tr>
<td>NESI01</td>
<td>BWXT-Radioisotope &amp; Analytical Chemistry Laboratory</td>
<td>XaW</td>
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<td>ORIS01</td>
<td>ORISE/IEAV</td>
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<td>SAVANNAH RIVER NUCLEAR SOLUTIONS (SRNS)</td>
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<td>EBERLINE SERVICES OAK RIDGE LABORATORY</td>
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### Laboratories Not Reporting

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<td>FGL Environmental</td>
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<td>HECR01</td>
<td>SC Dept. Health and Environmental Control Radiological Laboratory</td>
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<td>MNDH01</td>
<td>Minnesota Department of Health, Public Health Lab. Division</td>
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<tr>
<td>Analyte</td>
<td>Ref Value</td>
<td>Ref Unc</td>
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<tr>
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<tr>
<td>Radiological</td>
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<tr>
<td>Iodine-129</td>
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Sample Statistical Summary

MAPEP-17-XaW36

Radiological Reference Date: 02/01/2017

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<tr>
<th>Analyte</th>
<th>T(1)</th>
<th>A(2)</th>
<th>Grand(3) Mean</th>
<th>Std Dev</th>
<th>Ref Value</th>
<th>Ref Unc</th>
<th>Acceptance Range</th>
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<td>False Positive Test</td>
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</table>

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".

Result Flags:
- A = Result acceptable Bias <=20%
- W = Result acceptable with warning 20% < Bias < 30%
- N = Result not acceptable Bias > 30%
- RW = Report Warning
- NR = Not Reported

Uncertainty Flags:
- NOT ACCEPTABLE..........................RP<2%
- ACCEPTABLE..................................2%<=RP<=15%
- ACCEPTABLE WITH WARNING..............15%<RP<=30%
- NOT ACCEPTABLE.........................RP>30%
- RP = Relative Precision
Flag Summary Report

MAPEP-17-XaW36

<table>
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<th>Analyte</th>
<th>A</th>
<th>W</th>
<th>RW</th>
<th>N</th>
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<tbody>
<tr>
<td>Iodine-129</td>
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**Laboratory Results For MAPEP-17-XaW36**

(ANTE01) ALS Environmental - Fort Collins, CO  
225 Commerce Drive  
Fort Collins, CO 80524-1416

<table>
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<tr>
<th>Analyte</th>
<th>Result</th>
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<th>Bias (%)</th>
<th>Acceptance Range</th>
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<th>Unc Flag</th>
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<td>Iodine-129</td>
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<td>False Positive Test</td>
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<td></td>
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**Radiological Reference Date: February 1, 2017**

**Result Flags:**

A = Result acceptable Bias <=20%

W = Result acceptable with warning 20% < Bias < 30%

N = Result not acceptable Bias > 30%

RW = Report Warning

NR = Not Reported

**Uncertainty Flags:**

NOT ACCEPTABLE...........................RP<2%

ACCEPTABLE..................................2%<=RP<=15%

ACCEPTABLE WITH WARNING...........15%<RP<=30%

NOT ACCEPTABLE............................RP>30%

RP = Relative Precision

**Notes:**

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36
(ARSL01) ARS International, LLC
2609 North River Road
Port Allen, LA 70767

<table>
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<th>Analyte</th>
<th>Result</th>
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<th>Acceptance Range</th>
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<th>Unc Flag</th>
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<td>Iodine-129</td>
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Radiological Reference Date: February 1, 2017

Result Flags:

A = Result acceptable Bias <=20%

W = Result acceptable with warning 20% < Bias < 30%

N = Result not acceptable Bias > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

NOT ACCEPTABLE...........................RP<2%

ACCEPTABLE..................................2%<=RP<=15%

ACCEPTABLE WITH WARNING...........15%<RP<=30%

NOT ACCEPTABLE.........................RP>30%

RP = Relative Precision

Notes:

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36  
(AY1201) Consolidated Nuclear Security, LLC, Analytical Chemistry Organization Laboratory  
Y12, NSC, Bldg. 9995, Rm 142  
Oak Ridge, TN 37831-8189

<table>
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<th>Bias (%)</th>
<th>Acceptance Range</th>
<th>Unc Value</th>
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Radiological Reference Date: February 1, 2017

Result Flags:

A = Result acceptable Bias ≤ 20%

W = Result acceptable with warning 20% < Bias < 30%

N = Result not acceptable Bias > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

NOT ACCEPTABLE......................... RP < 2%

ACCEPTABLE............................ 2% ≤ RP ≤ 15%

ACCEPTABLE WITH WARNING............ 15% < RP ≤ 30%

NOT ACCEPTABLE......................... RP > 30%

RP = Relative Precision

Notes:

(29) = Statistically significant negative value at 3 standard deviations
## Laboratory Results For MAPEP-17-XaW36

(CHMH01) 222-S Laboratory
1955 Jadwin Ave Suite 330
Richland, WA 99354

<table>
<thead>
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<th>Analyte</th>
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<th>Flag</th>
<th>Notes</th>
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<th>Acceptance Range</th>
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<tbody>
<tr>
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Radiological Reference Date: February 1, 2017

**Result Flags:**

- A = Result acceptable Bias ≤20%
- W = Result acceptable with warning 20% < Bias < 30%
- N = Result not acceptable Bias > 30%
- RW = Report Warning
- NR = Not Reported

**Uncertainty Flags:**

- NOT ACCEPTABLE..........................RP<2%
- ACCEPTABLE..............................2%<=RP<=15%
- ACCEPTABLE WITH WARNING..............15%<RP<=30%
- NOT ACCEPTABLE..............................RP>30%

RP = Relative Precision

**Notes:**

(29) = Statistically significant negative value at 3 standard deviations
## Laboratory Results For MAPEP-17-XaW36

(ERCL01) Washington State Public Health Laboratories  
1610 N.E. 150th Street  
Shoreline, WA 98155-9701

### Radiological

<table>
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<tr>
<th>Analyte</th>
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<th>Flag</th>
<th>Notes</th>
<th>Bias (%)</th>
<th>Acceptance Range</th>
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<tr>
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**Radiological Reference Date:** February 1, 2017

**Notes:**

- (29) = Statistically significant negative value at 3 standard deviations

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**Result Flags:**

- **A** = Result acceptable Bias <=20%
- **W** = Result acceptable with warning 20% < Bias < 30%
- **N** = Result not acceptable Bias > 30%
- **RW** = Report Warning
- **NR** = Not Reported

**Uncertainty Flags:**

- NOT ACCEPTABLE...........................RP<2%
- ACCEPTABLE..................................2%<=RP<=15%
- ACCEPTABLE WITH WARNING...........15%<RP<=30%
- NOT ACCEPTABLE.........................RP>30%

**RP** = Relative Precision
Laboratory Results For MAPEP-17-XaW36
(EULC01) EnergySolutions, LLC
I-80, Exit 49
Clive, UT 84029

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
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<th>Bias (%)</th>
<th>Acceptance Range</th>
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Radiological Reference Date: February 1, 2017

Result Flags:

A = Result acceptable Bias ≤20%

W = Result acceptable with warning 20% < Bias < 30%

N = Result not acceptable Bias > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

NOT ACCEPTABLE.........................RP<2%

ACCEPTABLE.............................2%<RP<=15%

ACCEPTABLE WITH WARNING............15%<RP<=30%

NOT ACCEPTABLE.........................RP>30%

RP = Relative Precision

Notes:

(29) = Statistically significant negative value at 3 standard deviations
**Laboratory Results For MAPEP-17-XaW36**

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

<table>
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<tr>
<th>Analyte</th>
<th>Result</th>
<th>Ref Value</th>
<th>Flag</th>
<th>Notes</th>
<th>Bias (%)</th>
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**Radiological Reference Date: February 1, 2017**

**Result Flags:**

A = Result acceptable Bias <=20%

W = Result acceptable with warning 20% < Bias < 30%

N = Result not acceptable Bias > 30%

RW = Report Warning

NR = Not Reported

**Uncertainty Flags:**

NOT ACCEPTABLE.........................RP<2%

ACCEPTABLE............................2%<=RP<=15%

ACCEPTABLE WITH WARNING..........15%<RP<=30%

NOT ACCEPTABLE.......................RP>30%

RP = Relative Precision

**Notes:**

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36  
(FDOH01) Florida Dept. of Health, Mobile Environmental Radiological Lab  
PO Box 680069  
Orlando, FL 32868-0069

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Radiological Reference Date: February 1, 2017

Result Flags:

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W = Result acceptable with warning 20% < Bias < 30%
N = Result not acceptable Bias > 30%
RW = Report Warning
NR = Not Reported

Uncertainty Flags:

NOT ACCEPTABLE.........................RP<2%
ACCEPTABLE..............................2%< RP<=15%
ACCEPTABLE WITH WARNING............15%<RP<=30%
NOT ACCEPTABLE.......................RP>30%

RP = Relative Precision

Notes:

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36
(GENE01) GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407

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Radiological Reference Date: February 1, 2017

Result Flags:

A = Result acceptable Bias <=20%
W = Result acceptable with warning 20% < Bias < 30%
N = Result not acceptable Bias > 30%
RW = Report Warning
NR = Not Reported

Uncertainty Flags:

NOT ACCEPTABLE......................RP<2%
ACCEPTABLE...........................2%<=RP<=15%
ACCEPTABLE WITH WARNING..........15%<RP<=30%
NOT ACCEPTABLE...............RP>30%

RP = Relative Precision

Notes:

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36
(NARL01) National Analytical Radiation Environmental Laboratory
540 S. Morris Ave.
Montgomery, AL 36115-2601

<table>
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**Radiological Reference Date: February 1, 2017**

**Result Flags:**

A = Result acceptable Bias <=20%

W = Result acceptable with warning 20% < Bias < 30%

N = Result not acceptable Bias > 30%

RW = Report Warning

NR = Not Reported

**Uncertainty Flags:**

NOT ACCEPTABLE...........................RP<2%

ACCEPTABLE..................................2%<=RP<=15%

ACCEPTABLE WITH WARNING...........15%<RP<=30%

NOT ACCEPTABLE............................RP>30%

RP = Relative Precision

**Notes:**

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36
(NARL02) USEPA - NAREL - MERL
540 S Morris Ave
Montgomery, AL 36115

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<tbody>
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Radiological Reference Date: February 1, 2017

Result Flags:

A = Result acceptable Bias <=20%
W = Result acceptable with warning 20% < Bias < 30%
N = Result not acceptable Bias > 30%
RW = Report Warning
NR = Not Reported

Uncertainty Flags:

NOT ACCEPTABLE..........................RP<2%
ACCEPTABLE..................................2%<=RP<=15%
ACCEPTABLE WITH WARNING...........15%<RP<=30%
NOT ACCEPTABLE......................RP>30%

RP = Relative Precision

Notes:

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36  
(NESI01) BWXT-Radioisotope & Analytical Chemistry Laboratory  
Lynchburg Technology Center  
Lynchburg, VA 24504-5447

<table>
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Radiological Reference Date: February 1, 2017

Result Flags:

A = Result acceptable Bias <=20%

W = Result acceptable with warning 20% < Bias < 30%

N = Result not acceptable Bias > 30%

RW = Report Warning

NR = Not Reported

Uncertainty Flags:

NOT ACCEPTABLE..........................RP<2%

ACCEPTABLE..................................2%<=RP<=15%

ACCEPTABLE WITH WARNING...........15%<RP<=30%

NOT ACCEPTABLE.........................RP>30%

RP = Relative Precision

Notes:

(29) = Statistically significant negative value at 3 standard deviations
## Laboratory Results For MAPEP-17-XaW36
(ORIS01) ORISE/IEAV
PO Box 117
Oak Ridge, TN 37831-0117

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<td>Iodine-129</td>
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**Radiological Reference Date: February 1, 2017**

**Result Flags:**

- A = Result acceptable Bias <=20%
- W = Result acceptable with warning 20% < Bias < 30%
- N = Result not acceptable Bias > 30%
- RW = Report Warning
- NR = Not Reported

**Uncertainty Flags:**

- NOT ACCEPTABLE.........................RP<2%
- ACCEPTABLE..............................2%<=RP<=15%
- ACCEPTABLE WITH WARNING..............15%<RP<=30%
- NOT ACCEPTABLE..........................RP>30%

**Notes:**

- (29) = Statistically significant negative value at 3 standard deviations
## Laboratory Results For MAPEP-17-XaW36
(QUAN01) TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045-1205

<table>
<thead>
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<th>Analyte</th>
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<th>Bias (%)</th>
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<td>Iodine-129</td>
<td>0.0447</td>
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**Radiological Reference Date: February 1, 2017**

**Result Flags:**

A = Result acceptable Bias <=20%

W = Result acceptable with warning 20% < Bias < 30%

N = Result not acceptable Bias > 30%

RW = Report Warning

NR = Not Reported

**Uncertainty Flags:**

NOT ACCEPTABLE......................RP<2%

ACCEPTABLE..........................2%<=RP<=15%

ACCEPTABLE WITH WARNING.........15%<RP<=30%

NOT ACCEPTABLE......................RP>30%

RP = Relative Precision

**Notes:**

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36
(QUAN03) TestAmerica Laboratories - Richland
2800 GEORGE WASHINGTON WAY
RICHLAND, WA 99354-

<table>
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<th>Units: (Bq/L)</th>
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<td>Iodine-129</td>
<td>-.012209</td>
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Radiological Reference Date: February 1, 2017

**Result Flags:**

A = Result acceptable Bias <=20%
W = Result acceptable with warning 20% < Bias < 30%
N = Result not acceptable Bias > 30%
RW = Report Warning
NR = Not Reported

**Uncertainty Flags:**

NOT ACCEPTABLE...........................RP<2%
ACCEPTABLE.................................2%<=RP<=15%
ACCEPTABLE WITH WARNING...............15%<RP<=30%
NOT ACCEPTABLE............................RP>30%

RP = Relative Precision

**Notes:**

(29) = Statistically significant negative value at 3 standard deviations
**Laboratory Results For MAPEP-17-XaW36**  
(SAVA01) SAVANNAH RIVER NUCLEAR SOLUTIONS (SRNS)  
SRNL (non-purchased material receipt)  
AIKEN, SC 29808-0000

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<th>Notes</th>
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<th>Unc Flag</th>
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<tbody>
<tr>
<td>Iodine-129</td>
<td>0.799</td>
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<td>A</td>
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**Radiological Reference Date:** February 1, 2017

**Result Flags:**

A = Result acceptable Bias <=20%  
W = Result acceptable with warning 20% < Bias < 30%  
N = Result not acceptable Bias > 30%  
RW = Report Warning  
NR = Not Reported

**Uncertainty Flags:**

NOT ACCEPTABLE.........................RP<2%  
ACCEPTABLE..............................2%<=RP<=15%  
ACCEPTABLE WITH WARNING.............15%<RP<=30%  
NOT ACCEPTABLE..........................RP>30%  
RP = Relative Precision

**Notes:**

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36
(SEML01) SRS Environmental Monitoring Laboratory
Bldg 735-B
Aiken, SC 29808

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<th>Acceptance Range</th>
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<th>Unc Flag</th>
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<tbody>
<tr>
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Radiological Reference Date: February 1, 2017

Result Flags:

A = Result acceptable Bias <=20%
W = Result acceptable with warning 20% < Bias < 30%
N = Result not acceptable Bias > 30%
RW = Report Warning
NR = Not Reported

Uncertainty Flags:

NOT ACCEPTABLE..........................RP<2%
ACCEPTABLE...............................2%<=RP<=15%
ACCEPTABLE WITH WARNING.............15%<RP<=30%
NOT ACCEPTABLE..........................RP>30%

RP = Relative Precision

Notes:

(29) = Statistically significant negative value at 3 standard deviations
Laboratory Results For MAPEP-17-XaW36
(SOUT01) Southwest Research Institute
6220 Culebra Rd.
San Antonio, TX 78228-0510

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<th>Bias (%)</th>
<th>Acceptance Range</th>
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<tbody>
<tr>
<td>Iodine-129</td>
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<td>0.0411</td>
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**Radiological Reference Date:** February 1, 2017

**Notes:**
(29) = Statistically significant negative value at 3 standard deviations

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**Result Flags:**
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- **N** = Result not acceptable Bias > 30%
- **RW** = Report Warning
- **NR** = Not Reported

**Uncertainty Flags:**
- NOT ACCEPTABLE.........................RP<2%
- ACCEPTABLE.............................2%≤RP≤15%
- ACCEPTABLE WITH WARNING...........15%<RP≤30%
- NOT ACCEPTABLE.........................RP>30%

**Notes:**
- RP = Relative Precision

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**Units:** (Bq/L)
Laboratory Results For MAPEP-17-XaW36
(TELE02) ATI Environmental, Inc., Midwest Lab
700 Landwehr Road
Northbrook, IL 60062-

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
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<th>Flag</th>
<th>Notes</th>
<th>Bias (%)</th>
<th>Acceptance Range</th>
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<th>Unc Flag</th>
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<tbody>
<tr>
<td>Iodine-129</td>
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Radiological Reference Date: February 1, 2017

Result Flags:

A = Result acceptable Bias <=20%
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N = Result not acceptable Bias > 30%
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NR = Not Reported

Uncertainty Flags:

NOT ACCEPTABLE............................RP<2%
ACCEPTABLE..................................2%<=RP<=15%
ACCEPTABLE WITH WARNING.............15%<RP<=30%
NOT ACCEPTABLE............................RP>30%

RP = Relative Precision

Notes:

(29) = Statistically significant negative value at 3 standard deviations
### Laboratory Results For MAPEP-17-XaW36

(TMAO01) EBERLINE SERVICES OAK RIDGE LABORATORY

601 SCARBORO RD

OAK RIDGE, TN 37830-

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
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</table>

**Radiological Reference Date:** February 1, 2017

**Result Flags:**

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- **NR** = Not Reported

**Uncertainty Flags:**

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- **ACCEPTABLE**...............................2%<=RP<=15%
- **ACCEPTABLE WITH WARNING**.............15%<RP<=30%
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