

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.

RaW42 Participating Laboratories

| Lab Code | Lab Name | Matrix Code |
|-----------------|----------------------------------------------------------------|--------------------|
| CMRC01 | Carlsbad Environmental Monitoring and Research Center | RaW |
| DLEA01 | DLE Associates | RaW |
| ERCL01 | Washington State Public Health Laboratories | RaW |
| EULC01 | EnergySolutions, LLC | RaW |
| FDHE01 | Florida Dept of Health Environmental Laboratory | RaW |
| FDOH01 | Florida Dept. of Health, Mobile Environmental Radiological Lab | RaW |
| GENE01 | GEL Laboratories, LLC | RaW |
| ODHL01 | Ohio Department of Health Laboratory | RaW |
| TELE02 | ATI Environmental, Inc., Midwest Lab | RaW |

Laboratories Not Reporting

| Lab Code | Lab Name | Matrix Code |
|-----------------|--------------------------------------------------------|--------------------|
| NARL01 | National Analytical Radiation Environmental Laboratory | RaW |
| NARL02 | USEPA - NAREL - MERL | RaW |

Study Reference Values

MAPEP-20-RaW42

Radiological Reference Date: 02/01/2020

| Analyte | Ref Value | Ref Unc |
|--------------|-----------|------------------|
| Radiological | | Units: (Bq/L) |
| Radium-226 | 189 | 19 |
| Radium-228 | 75 | 5 |

Sample Statistical Summary

MAPEP-20-RaW42

Radiological Reference Date: 02/01/2020

| Analyte | T(1) | Grand(2) Mean | Std Dev | Ref Value | Ref Unc |
|--------------|------|------------------|---------------|--------------|------------|
| Radiological | | | Units: (Bq/L) | | |
| Radium-226 | 9 | 150 | 13 | 189 | 19 |
| Radium-228 | 9 | 74 | 13 | 75 | 5 |

Note: (1) T = Total number of laboratories reporting analyte.
 (2) Mean excludes values outside of a bias range of +/- 30%.

Uncertainty Flags:

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



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

Laboratory Results For MAPEP-20-RaW42
 (CMRC01) Carlsbad Environmental Monitoring and Research Center
 1400 University Dr.
 Carlsbad, NM 88220

| Radiological | | | | | | | Units: (Bq/L) | |
|--------------|--------|-----------|------|-------|----------|------------------|---------------|----------|
| Analyte | Result | Ref Value | Flag | Notes | Bias (%) | Acceptance Range | Unc Value | Unc Flag |
| Radium-226 | 22.7 | 189 | (6) | | -88.0 | 132 - 246 | 4.82 | W |
| Radium-228 | 18.75 | 75 | (6) | | -75.0 | 53 - 98 | 3.85 | W |

Radiological Reference Date: February 1, 2020

Uncertainty Flags:

NOT ACCEPTABLE.....RP<2%

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

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

NOT ACCEPTABLE.....RP>30%

RP = Relative Precision

Notes:

(6) = Not Evaluated



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

Laboratory Results For MAPEP-20-RaW42

(DLEA01) DLE Associates

730 Alfred Nobel Drive

Hercules, CA 94547

| Radiological | | | | | | | Units: (Bq/L) | |
|--------------|--------|-----------|------|-------|----------|------------------|---------------|----------|
| Analyte | Result | Ref Value | Flag | Notes | Bias (%) | Acceptance Range | Unc Value | Unc Flag |
| Radium-226 | 140.49 | 189 | (6) | | -25.7 | 132 - 246 | 3.72 | A |
| Radium-228 | 26.02 | 75 | (6) | | -65.3 | 53 - 98 | 1.77 | A |

Radiological Reference Date: February 1, 2020

Uncertainty Flags:

NOT ACCEPTABLE.....RP<2%

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

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

NOT ACCEPTABLE.....RP>30%

RP = Relative Precision

Notes:

(6) = Not Evaluated



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

Laboratory Results For MAPEP-20-RaW42
 (ERCL01) Washington State Public Health Laboratories
 1610 N.E. 150th Street
 Shoreline, WA 98155-9701

| Radiological | | | | | | | Units: (Bq/L) | |
|--------------|--------|-----------|------|-------|----------|------------------|---------------|----------|
| Analyte | Result | Ref Value | Flag | Notes | Bias (%) | Acceptance Range | Unc Value | Unc Flag |
| Radium-226 | 133 | 189 | (6) | | -29.6 | 132 - 246 | 4 | A |
| Radium-228 | 64.0 | 75 | (6) | | -14.7 | 53 - 98 | 1.7 | A |

Radiological Reference Date: February 1, 2020

Uncertainty Flags:

NOT ACCEPTABLE.....RP<2%

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

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

NOT ACCEPTABLE.....RP>30%

RP = Relative Precision

Notes:

(6) = Not Evaluated



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

Laboratory Results For MAPEP-20-RaW42
 (EULC01) EnergySolutions, LLC
 I-80, Exit 49
 Clive, UT 84029

| Radiological | | | | | | | Units: (Bq/L) | |
|--------------|---------|-----------|------|-------|----------|------------------|---------------|----------|
| Analyte | Result | Ref Value | Flag | Notes | Bias (%) | Acceptance Range | Unc Value | Unc Flag |
| Radium-226 | 158.915 | 189 | (6) | | -15.9 | 132 - 246 | 24.476 | W |
| Radium-228 | 96.940 | 75 | (6) | | 29.3 | 53 - 98 | 18.778 | W |

Radiological Reference Date: February 1, 2020

Uncertainty Flags:

NOT ACCEPTABLE.....RP<2%

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

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

NOT ACCEPTABLE.....RP>30%

RP = Relative Precision

Notes:

(6) = Not Evaluated



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

Laboratory Results For MAPEP-20-RaW42
 (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 |
| Radium-226 | 154.362 | 189 | (6) | | -18.3 | 132 - 246 | 1.619 | N |
| Radium-228 | 74.217 | 75 | (6) | | -1.0 | 53 - 98 | 1.082 | N |

Radiological Reference Date: February 1, 2020

Uncertainty Flags:

NOT ACCEPTABLE.....RP<2%

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

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

NOT ACCEPTABLE.....RP>30%

RP = Relative Precision

Notes:

(6) = Not Evaluated



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

Laboratory Results For MAPEP-20-RaW42

(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 |
| Radium-226 | 150.39 | 189 | (6) | | -20.4 | 132 - 246 | 2.34 | N |
| Radium-228 | 78.274 | 75 | (6) | | 4.4 | 53 - 98 | 2.489 | A |

Radiological Reference Date: February 1, 2020

Uncertainty Flags:

NOT ACCEPTABLE.....RP<2%

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

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

NOT ACCEPTABLE.....RP>30%

RP = Relative Precision

Notes:

(6) = Not Evaluated



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

Laboratory Results For MAPEP-20-RaW42
 (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 |
| Radium-226 | 141 | 189 | (6) | | -25.4 | 132 - 246 | 10.1 | A |
| Radium-228 | 59.3 | 75 | (6) | | -20.9 | 53 - 98 | 3.51 | A |

Radiological Reference Date: February 1, 2020

Uncertainty Flags:

NOT ACCEPTABLE.....RP<2%

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

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

NOT ACCEPTABLE.....RP>30%

RP = Relative Precision

Notes:

(6) = Not Evaluated



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

Laboratory Results For MAPEP-20-RaW42
 (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 |
| Radium-226 | 126 | 189 | (6) | | -33.3 | 132 - 246 | 5.31 | A |
| Radium-228 | 79.7 | 75 | (6) | | 6.3 | 53 - 98 | 2.62 | A |

Radiological Reference Date: February 1, 2020

Uncertainty Flags:

NOT ACCEPTABLE.....RP<2%

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

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

NOT ACCEPTABLE.....RP>30%

RP = Relative Precision

Notes:

(6) = Not Evaluated



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

Laboratory Results For MAPEP-20-RaW42
 (TELE02) ATI 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 |
| Radium-226 | 172 | 189 | (6) | | -9.0 | 132 - 246 | 1 | N |
| Radium-228 | 65 | 75 | (6) | | -13.3 | 53 - 98 | 1 | N |

Radiological Reference Date: February 1, 2020

Uncertainty Flags:

NOT ACCEPTABLE.....RP<2%

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

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

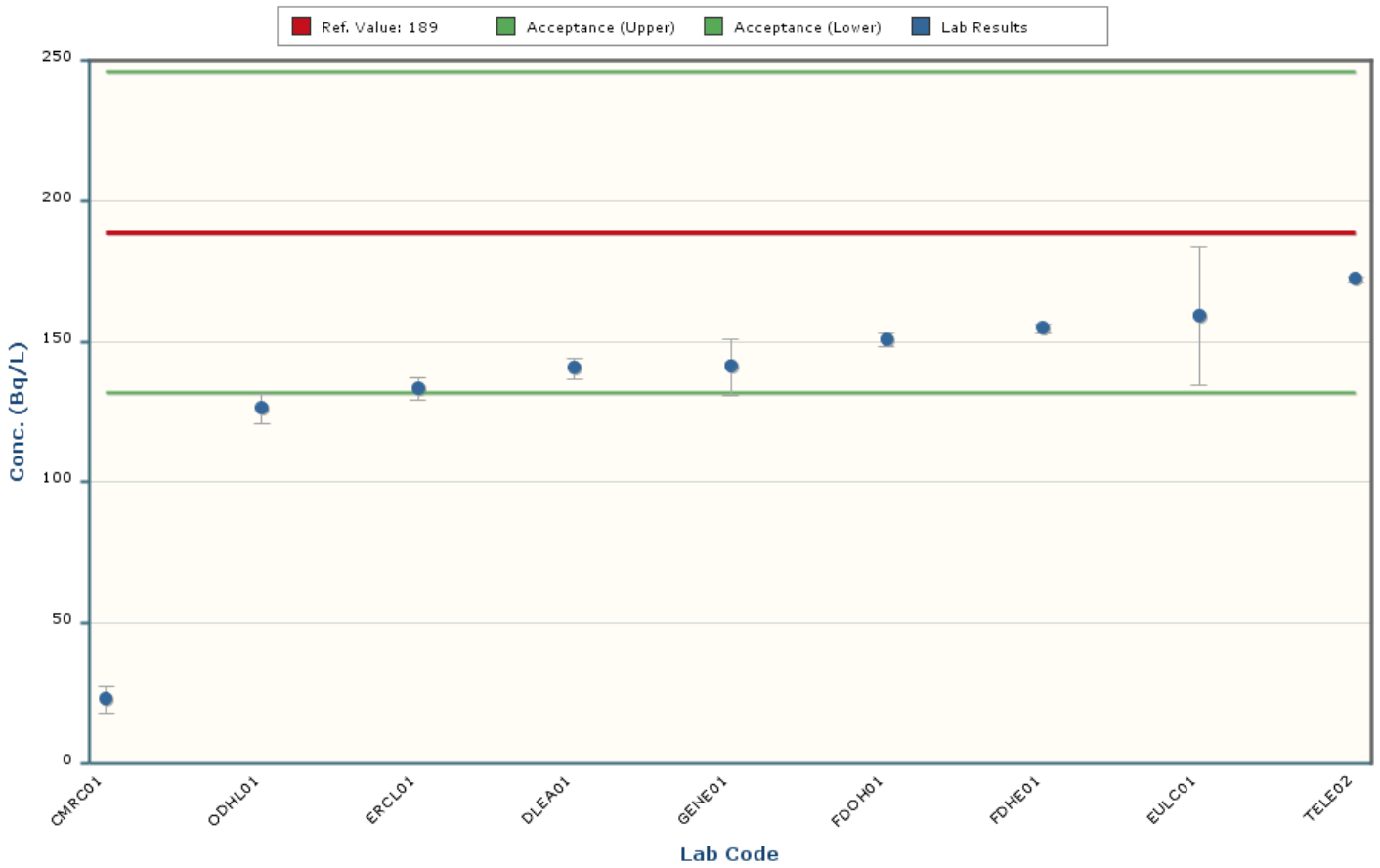
NOT ACCEPTABLE.....RP>30%

RP = Relative Precision

Notes:

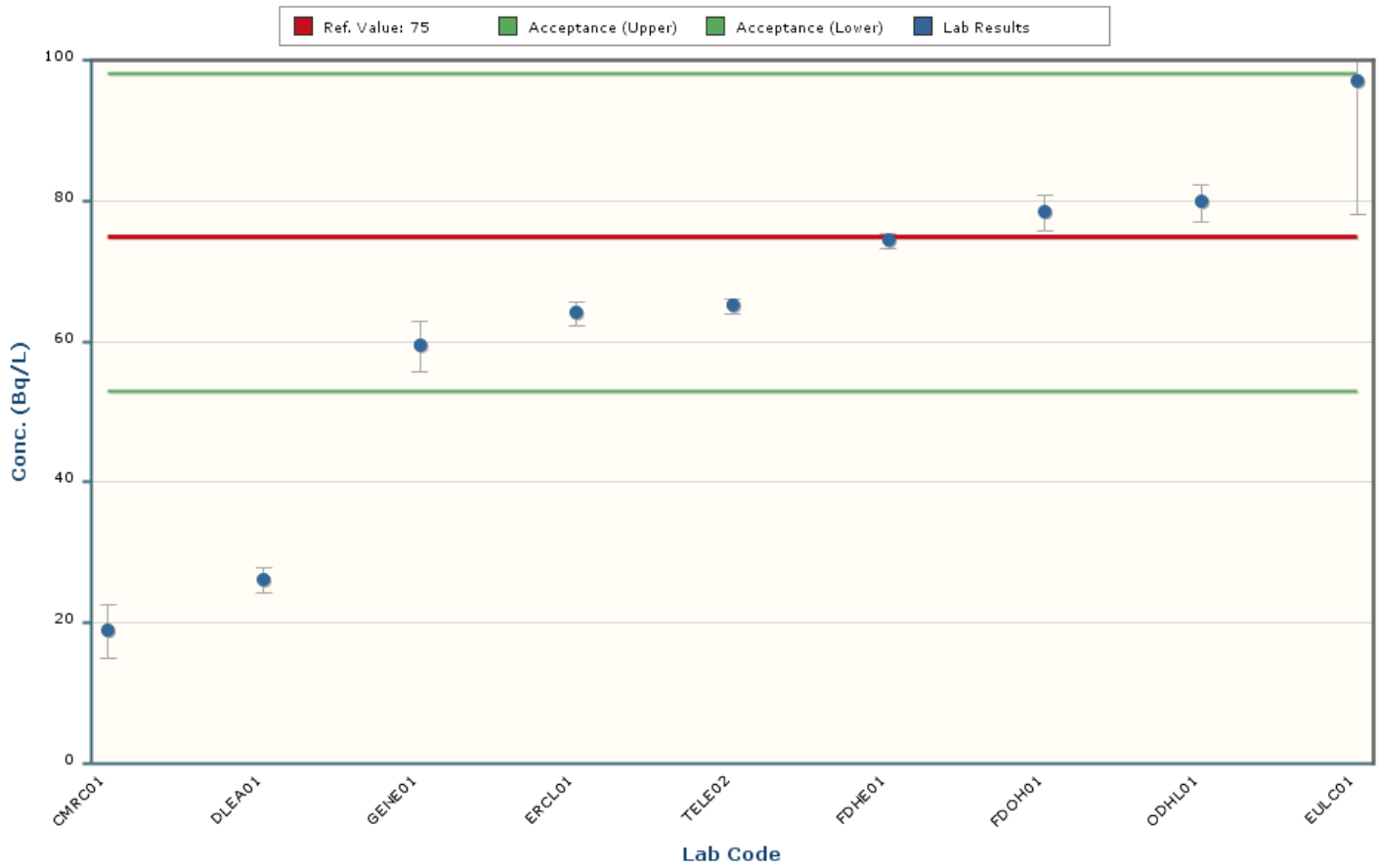
(6) = Not Evaluated

MAPEP-20-RaW42: Radium-226



Notes:
The error bars encompassing each result are plotted at \pm one standard deviation.

MAPEP-20-RaW42: Radium-228



Notes:
The error bars encompassing each result are plotted at \pm one standard deviation.