



A Waters Company

ACZ Laboratories Final Limits For Study RAD-83

LABORATORY INFORMATION

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REGULATORY AGENCY INFORMATION

You have authorized to send copies of your RAD-83 study final to the following agencies:

Alaska	Montana
Arizona (AZ0102)	Nevada
California	Oklahoma (9701)
EPA Region 5 (WS)	Utah (ACZ)
EPA Region 8 (8TMS-Q)	Washington (C1240)
Hawaii	

THIRD PARTY INFORMATION

There are no third parties listed to receive reports.

Study Exception Report

All reported values were evaluated as 'Acceptable'.

Study RAD-83 Complete Final Report Gamma EmitterS™ (cat# 808)

Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
Barium-133	pCi/L		68.9	57.5 - 75.8	Not Reported	
Cesium-134	pCi/L	44.0	43.2	34.5 - 47.5	Acceptable	EPA 901.1 1980
Cesium-137	pCi/L	116.7	123	111 - 138	Acceptable	EPA 901.1 1980
Cobalt-60	pCi/L	50.5	53.4	48.1 - 61.3	Acceptable	EPA 901.1 1980
Zinc-65	pCi/L		102	91.8 - 122	Not Reported	

GroSS™ Alpha/Beta (cat# 809)

Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
Gross Alpha	pCi/L	38.1	42.3	21.9 - 53.7	Acceptable	EPA 900.0 GPC 1980
Gross Beta	pCi/L	37.6	36.6	24.0 - 44.2	Acceptable	EPA 900.0 GPC 1980

NaturalS™ (cat# 811)

Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
Radium-226	pCi/L	11.4	11.4	8.52 - 13.2	Acceptable	EPA 903.1 SC 1980
Radium-228	pCi/L	9.4	9.89	6.42 - 12.3	Acceptable	EPA 904.0 1980
Uranium (Nat)	pCi/L	37.1	36.8	29.8 - 41.0	Acceptable	EPA 200.8 5.4 1994
Uranium (Nat) mass	µg/L		53.7	43.4 - 59.9	Not Reported	

**Study RAD-83
 Complete Final Report
 NaturalS™ (cat# 811)**

Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
Radium-226	pCi/L	12.5	11.4	8.52 - 13.2	Acceptable	EPA 903.0 GPC 1980
Radium-228	pCi/L		9.89	6.42 - 12.3	Not Reported	
Uranium (Nat)	pCi/L		36.8	29.8 - 41.0	Not Reported	
Uranium (Nat) mass	µg/L		53.7	43.4 - 59.9	Not Reported	

Tritium™ (cat# 812)

Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
Tritium	pCi/L	14000	12900	11200 - 14200	Acceptable	EPA 906.0 1980