

THERMO EBERLINE LLC
BUILDING CHARACTERIZATION - VOLUMETRIC LABORATORY ANALYSES
Table 3-12: PAOC-1

Sample ID				1-F-10-C				1-F-16-C				1-F-19-C				1-F-19-C			
GEL Laboratory ID				521063002				521063003				521063004				1204650923			
Collection Date				08/31/20				08/31/20				08/31/20				08/31/20			
Substrate				Vinyl Tile				Vinyl Tile				Vinyl Tile				Vinyl Tile			
Building Surface				Floor				Floor				Floor				Floor			
QC Code				Normal				Normal				Normal				Duplicate			
Analysis Method	Analyte	NMED RCB Required MDC	NMED RCB Volumetric Release Criterion ¹	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC
Alpha Spectroscopy																			
ASTM C 1475-00 Modified	Np-237	0.05	0.6	NA	NA	NA	NA	0.002	0.008	U	0.016	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML	Am-241	0.05	1.25	-0.007	0.018	U	0.041	0.002	0.021	U	0.040	0.002	0.019	U	0.038	0.010	0.013	U	0.018
HASL 300 Am-05-RC Mod	Cf-252	0.05	4.12	0.017	0.022	U	0.033	0.004	0.011	U	0.019	0.019	0.020	U	0.026	0.012	0.016	U	0.024
	Cm-243/244	0.05	2.5	0.020	0.026	U	0.040	0.004	0.013	U	0.023	0.007	0.020	U	0.036	0.019	0.015		0.007
DOE EML	Pu-238	0.05	1.52	NA	NA	NA	NA	-0.001	0.005	U	0.010	NA	NA	NA	NA	NA	NA	NA	NA
HASL 300 Pu-	Pu-239/240	0.05	1.37	NA	NA	NA	NA	0.001	0.004	U	0.008	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 U-02-RC Mod	U-233/234		7.8 ²	NA	NA	NA	NA	0.355	0.063		0.047	NA	NA	NA	NA	NA	NA	NA	NA
	U-235/236	0.05	4.82	NA	NA	NA	NA	0.015	0.018	U	0.023	NA	NA	NA	NA	NA	NA	NA	NA
	U-238		8.4 ²	NA	NA	NA	NA	0.346	0.059		0.027	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Spectroscopy																			
DOE HASL	Am-241	0.05	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
300, 4.5.2.3/Ga-	Cs-137	1	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gas Flow Proportional Counting																			
EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	Sr-90	0.1	1.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liquid Scintillation Counting																			
EPA 906.0 Modified	Tritium	1	64.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA EERF C-01 Modified	C-14	1	6.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All values are reported in picoCuries per gram (pCi/g)

Table summarizes lab results following quality assurance (QA)/quality control (QC) evaluation of data- see QA/QC Evaluation (Appendix D)/Laboratory Reports (Appendix E) for additional details

NA = Not Analyzed

U = Analyte Not Identified >MDC

NMED RCB- New Mexico Environmental Department (NMED), Radiation Control Bureau (RCB)

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Table 3-12: PAOC-1

Sample ID				1-F-19-C				1-F-31-C				1-F-31-C				1-F-31-C			
GEL Laboratory ID				1204650923				521063006				1204644022				1204646675			
Collection Date				08/31/20				08/31/20				08/31/20				08/31/20			
Substrate				Vinyl Tile				Vinyl Tile				Vinyl Tile				Vinyl Tile			
Building Surface				Floor				Floor				Floor				Floor			
QC Code				Duplicate				Normal				Duplicate				Duplicate			
Analysis Method	Analyte	NMED RCB Required MDC	NMED RCB Volumetric Release Criterion ¹	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC
Alpha Spectroscopy																			
ASTM C 1475-00 Modified	Np-237	0.05	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML	Am-241	0.05	1.25	0.010	0.013	U	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HASL 300 Am-05-RC Mod	CF-252	0.05	4.12	0.012	0.016	U	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cm-243/244	0.05	2.5	0.019	0.015		0.007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML	Pu-238	0.05	1.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HASL 300 Pu-	Pu-239/240	0.05	1.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 U-02-RC Mod	U-233/234		7.8 ²	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-235/236	0.05	4.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-238		8.4 ²	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Spectroscopy																			
DOE HASL	Am-241	0.05	1.25	NA	NA	NA	NA	0.049	0.077	U	0.150	-0.086	0.257	U	0.462	NA	NA	NA	NA
300, 4.5.2.3/Ga-	Cs-137	1	6.6	NA	NA	NA	NA	-0.016	0.034	U	0.058	0.020	0.034	U	0.074	NA	NA	NA	NA
Gas Flow Proportional Counting																			
EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	Sr-90	0.1	1.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liquid Scintillation Counting																			
EPA 906.0 Modified	Tritium	1	64.8	NA	NA	NA	NA	0.080	0.349	U	0.620	NA	NA	NA	NA	NA	NA	NA	NA
EPA EERF C-01 Modified	C-14	1	6.96	NA	NA	NA	NA	-0.208	0.555	U	0.953	NA	NA	NA	NA	0.327	0.562	U	0.949

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Table 3-12: PAOC-1

Sample ID				1-F-5-C				1-F-10-C				1-F-19-C				1-F-33-C			
GEL Laboratory ID				521063001				521063002				521063004				521063005			
Collection Date				08/31/20				08/31/20				08/31/20				08/31/20			
Substrate				Vinyl Tile				Vinyl Tile				Vinyl Tile				Vinyl Tile			
Building Surface				Floor				Floor				Floor				Floor			
QC Code				Normal				Normal				Normal				Normal			
Analysis Method	Analyte	NMED RCB Required MDC	NMED RCB Volumetric Release Criterion ¹	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC
Alpha Spectroscopy																			
ASTM C 1475-00 Modified	Np-237	0.05	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 Am-05-RC Mod	Am-241	0.05	1.25	0.012	0.020	U	0.033	-0.007	0.018	U	0.041	0.002	0.019	U	0.038	0.007	0.018	U	0.032
	CF-252	0.05	4.12	0.007	0.012	U	0.018	0.017	0.022	U	0.033	0.019	0.020	U	0.026	0.021	0.021	U	0.026
DOE EML HASL 300 Pu-	Cm-243/244	0.05	2.5	0.011	0.016	U	0.025	0.020	0.026	U	0.040	0.007	0.020	U	0.036	-0.003	0.019	U	0.040
	Pu-238	0.05	1.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 U-02-RC Mod	Pu-239/240	0.05	1.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-233/234		7.8 ²	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-235/236	0.05	4.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-238		8.4 ²	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Spectroscopy																			
DOE HASL 300, 4.5.2.3/Ga-	Am-241	0.05	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cs-137	1	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gas Flow Proportional Counting																			
EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	Sr-90	0.1	1.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liquid Scintillation Counting																			
EPA 906.0 Modified	Tritium	1	64.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA EERF C-01 Modified	C-14	1	6.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 3-12: PAOC-1

Sample ID				1-W-N-8				1-W-E-37				1-W-E-54				1-W-N-47			
GEL Laboratory ID				521067001				521067002				521067005				521067004			
Collection Date				08/28/20				08/28/20				08/28/20				08/28/20			
Substrate				Sheetrock				Sheetrock				Sheetrock				Sheetrock			
Building Surface				Wall				Wall				Wall				Wall			
QC Code				Normal				Normal				Normal				Normal			
Analysis Method	Analyte	NMED RCB Required MDC	NMED RCB Volumetric Release Criterion ¹	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC
Alpha Spectroscopy																			
ASTM C 1475-00 Modified	Np-237	0.05	0.6	NA	NA	NA	NA	-0.001	0.009	U	0.021	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML	Am-241	0.05	1.25	0.025	0.045	U	0.076	0.010	0.012	U	0.019	-0.005	0.032	U	0.066	0.000	0.026	U	0.051
HASL 300 Am-05-RC Mod	CF-252	0.05	4.12	0.000	0.031	U	0.062	0.000	0.005	U	0.005	-0.011	0.022	U	0.054	0.009	0.017	U	0.013
	Cm-243/244	0.05	2.5	0.006	0.032	U	0.059	0.000	0.007	U	0.013	-0.005	0.023	U	0.051	0.004	0.021	U	0.039
DOE EML	Pu-238	0.05	1.52	NA	NA	NA	NA	0.000	0.008	U	0.019	NA	NA	NA	NA	NA	NA	NA	NA
HASL 300 Pu-	Pu-239/240	0.05	1.37	NA	NA	NA	NA	-0.003	0.009	U	0.024	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 U-02-RC Mod	U-233/234		7.8 ²	NA	NA	NA	NA	0.032	0.026	U	0.038	NA	NA	NA	NA	NA	NA	NA	NA
	U-235/236	0.05	4.82	NA	NA	NA	NA	0.000	0.009	U	0.018	NA	NA	NA	NA	NA	NA	NA	NA
	U-238		8.4 ²	NA	NA	NA	NA	0.074	0.027		0.007	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Spectroscopy																			
DOE HASL	Am-241	0.05	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
300, 4.5.2.3/Ga-	Cs-137	1	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gas Flow Proportional Counting																			
EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	Sr-90	0.1	1.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liquid Scintillation Counting																			
EPA 906.0 Modified	Tritium	1	64.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA EERF C-01 Modified	C-14	1	6.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Sample ID				1-W-W-45				1-W-W-45				1-W-W-45				1-W-W-40			
GEL Laboratory ID				521067006				1204644170				1204646676				521067003			
Collection Date				08/28/20				08/28/20				08/28/20				08/28/20			
Substrate				Sheetrock				Sheetrock				Sheetrock				Sheetrock			
Building Surface				Wall				Wall				Wall				Wall			
QC Code				Normal				Duplicate				Duplicate				Normal			
Analysis Method	Analyte	NMED RCB Required MDC	NMED RCB Volumetric Release Criterion ¹	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC
Alpha Spectroscopy																			
ASTM C 1475-00 Modified	Np-237	0.05	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 Am-05-RC Mod	Am-241	0.05	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005	0.018	U	0.034
	Cf-252	0.05	4.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-0.003	0.010	U	0.027
DOE EML HASL 300 Pu-	Cm-243/244	0.05	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-0.003	0.010	U	0.026
	Pu-238	0.05	1.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 U-02-RC Mod	Pu-239/240	0.05	1.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-233/234		7.8 ²	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-235/236	0.05	4.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-238		8.4 ²	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Spectroscopy																			
DOE HASL 300, 4.5.2.3/Ga-	Am-241	0.05	1.25	0.471	0.483	U	0.862	-0.338	0.485	U	0.656	NA	NA	NA	NA	NA	NA	NA	NA
	Cs-137	1	6.6	-0.062	0.079	U	0.128	0.039	0.075	U	0.147	NA	NA	NA	NA	NA	NA	NA	NA
Gas Flow Proportional Counting																			
EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	Sr-90	0.1	1.03	-0.020	0.053	U	0.095	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liquid Scintillation Counting																			
EPA 906.0 Modified	Tritium	1	64.8	0.501	0.686	U	1.170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA EERF C-01 Modified	C-14	1	6.96	-0.266	0.551	U	0.947	NA	NA	NA	NA	-0.438	0.549	U	0.949	NA	NA	NA	NA

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GEL Laboratory ID				1204657007				521068003				1204660344				521068002			
Collection Date				08/28/20				08/28/20				08/28/20				08/28/20			
Substrate				Sheetrock				Concrete				Concrete				Concrete			
Building Surface				Wall				Wall				Wall				Wall			
QC Code				Duplicate				Normal				Duplicate				Normal			
Analysis Method	Analyte	NMED RCB Required MDC	NMED RCB Volumetric Release Criterion ¹	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC
Alpha Spectroscopy																			
ASTM C 1475-00 Modified	Np-237	0.05	0.6	NA	NA	NA	NA	0.00185	0.00701	U	0.013	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML	Am-241	0.05	1.25	0.011	0.0229	U	0.038	-1E-08	0.0449	U	0.085	0.0224	0.0254	U	0.0358	0.003	0.007	U	0.013
HASL 300 Am-05-RC Mod	CF-252	0.05	4.12	0.006	0.0164	U	0.017	-0.00423	0.0185	U	0.041	0.000	0.0108	U	0.0117	-0.002	0.004	U	0.011
	Cm-243/244	0.05	2.5	-0.002	0.0172	U	0.041	-0.016	0.0192	U	0.049	0.0074	0.0178	U	0.0283	0.003	0.007	U	0.013
DOE EML	Pu-238	0.05	1.52	NA	NA	NA	NA	-0.00726	0.0106	U	0.031	NA	NA	NA	NA	NA	NA	NA	NA
HASL 300 Pu-	Pu-239/240	0.05	1.37	NA	NA	NA	NA	-0.00911	0.0142	U	0.038	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 U-02-RC Mod	U-233/234		7.8 ²	NA	NA	NA	NA	0.622	0.0908		0.048	NA	NA	NA	NA	NA	NA	NA	NA
	U-235/236	0.05	4.82	NA	NA	NA	NA	0.0374	0.0247		0.026	NA	NA	NA	NA	NA	NA	NA	NA
	U-238		8.4 ²	NA	NA	NA	NA	0.653	0.0913		0.035	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Spectroscopy																			
DOE HASL 300, 4.5.2.3/Ga-	Am-241	0.05	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cs-137	1	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gas Flow Proportional Counting																			
EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	Sr-90	0.1	1.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liquid Scintillation Counting																			
EPA 906.0 Modified	Tritium	1	64.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA EERF C-01 Modified	C-14	1	6.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Bolded Values Represent Reported Concentrations > MDC¹- NMED RCB Release Criterion and Required MDC Issued by NMED RCB in Letter to Thermo Eberline LLC dated December 6, 2019² - Release Criteria for U-234 and U-238 Adopted Based NUREG/CR-5512, Volume 3 DandD Screening Methodology scaled to a 15 mrem/yr TEDE

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THERMO EBERLINE LLC
BUILDING CHARACTERIZATION - VOLUMETRIC LABORATORY ANALYSES
Table 3-12: PAOC-1

Sample ID				1-W-N-4-B-C				1-W-N-4-B-C				1-W-N-4-B-C				1-W-W-51-B-C			
GEL Laboratory ID				521068001				1204644171				1204646677				1204644373			
Collection Date				08/28/20				08/28/20				08/28/20				08/28/20			
Substrate				Concrete				Concrete				Concrete				Concrete			
Building Surface				Wall				Wall				Wall				Wall			
QC Code				Normal				Duplicate				Duplicate				Duplicate			
Analysis Method	Analyte	NMED RCB Required MDC	NMED RCB Volumetric Release Criterion ¹	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC
Alpha Spectroscopy																			
ASTM C 1475-00 Modified	Np-237	0.05	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 Am-05-RC Mod	Am-241	0.05	1.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000	0.009	U	0.019
	CF-252	0.05	4.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000	0.004	U	0.006
	Cm-243/244	0.05	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-0.007	0.006	U	0.020
DOE EML HASL 300 Pu-	Pu-238	0.05	1.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pu-239/240	0.05	1.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 U-02-RC Mod	U-233/234		7.8 ²	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-235/236	0.05	4.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-238		8.4 ²	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Spectroscopy																			
DOE HASL 300, 4.5,2.3/Ga-	Am-241	0.05	1.25	0.075	0.099	U	0.194	-0.074	0.145	U	0.289	NA	NA	NA	NA	NA	NA	NA	NA
	Cs-137	1	6.6	-0.024	0.027	U	0.045	0.033	0.035	U	0.077	NA	NA	NA	NA	NA	NA	NA	NA
Gas Flow Proportional Counting																			
EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	Sr-90	0.1	1.03	0.015	0.055	U	0.098	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liquid Scintillation Counting																			
EPA 906.0 Modified	Tritium	1	64.8	0.205	0.299	U	0.511	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA EERF C-01 Modified	C-14	1	6.96	-0.620	0.548	U	0.953	NA	NA	NA	NA	-0.627	0.548	U	0.954	NA	NA	NA	NA

Notes:

All values are reported in picoCuries per gram (pCi/g)

Table summarizes lab results following quality assurance (QA)/quality control (QC) evaluation of data- see QA/QC Evaluation (Appendix D)/Laboratory Reports (Appendix E) for additional details

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THERMO EBERLINE LLC
BUILDING CHARACTERIZATION - VOLUMETRIC LABORATORY ANALYSES
Table 3-13: PAOC-2

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Sample ID				2-F-1-R				2-F-1-R				2-F-1-R				2-F-1-R			
GEL Laboratory ID				523950001				1204669316				1204669202				1204677723			
Collection Date				10/05/20				10/05/20				10/05/20				10/05/20			
Substrate				Vinyl Tile				Vinyl Tile				Vinyl Tile				Vinyl Tile			
Building Surface				Floor				Floor				Floor				Floor			
QC Code				Normal				Duplicate				Duplicate				Duplicate			
Analysis Method	Analyte	NMED RCB Required MDC	NMED RCB Volumetric Release Criterion ¹	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC	Result	Uncertainty	Qualifier	MDC
Alpha Spectroscopy																			
ASTM C 1475-00 Modified	Np-237	0.05	0.6	0.011	0.024	U	0.041	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML	Am-241	0.05	1.25	0.014	0.012	U	0.015	0.006	0.015	U	0.026	NA	NA	NA	NA	NA	NA	NA	NA
HASL 300 Am-05-RC Mod	Cf-252	0.05	4.12	0.000	0.006	U	0.013	-0.002	0.007	U	0.016	NA	NA	NA	NA	NA	NA	NA	NA
	Cm-243/244	0.05	2.5	-0.002	0.008	U	0.017	-0.002	0.009	U	0.020	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML	Pu-238	0.05	1.52	0.000	0.017	U	0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HASL 300 Pu-	Pu-239/240	0.05	1.37	-0.007	0.016	U	0.038	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOE EML HASL 300 U-02-RC Mod	U-233/234		7.8 ²	0.164	0.041		0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-235/236	0.05	4.82	0.030	0.019		0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	U-238		8.4 ²	0.135	0.037		0.026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Spectroscopy																			
DOE HASL	Am-241	0.05	1.25	0.059	0.151	U	0.259	NA	NA	NA	NA	0.191	0.362	U	0.694	NA	NA	NA	NA
300, 4.5.2.3/Ga-	Cs-137	1	6.6	-0.016	0.040	U	0.062	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gas Flow Proportional Counting																			
EPA 905.0 Modified/DOE RP501 Rev. 1 Modified	Sr-90	0.1	1.03	0.010	0.050	U	0.092	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liquid Scintillation Counting																			
EPA 906.0 Modified	Tritium	1	64.8	-0.705	0.662	U	1.180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPA EERF C-01 Modified	C-14	1	6.96	0.142	0.474	U	0.805	NA	NA	NA	NA	NA	NA	NA	NA	0.291	0.469	U	0.792

Notes:

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