

TABLE 3-5
PAOC-5 SUMMARY OF SURVEY RESULTS SAMPLE SELECTION CRITERIA

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PAOC-5W- TILE FLOOR

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-5W Vinyl Floor Tile	2,000	BKGD RANGE (cpm)	RESULT MAX RANGE (Gross cpm)	Count No. of MAX > 2Xs BKGD	count	MDA (dpm/ 100cm2)	RESULT RANGE (dpm/100cm2)	Count >MDA or Lowest DCGL dpm/100cm2 (Alpha - 14 or Beta - 4,670)	count	AVG. BKGD (cpm)	RESULT RANGE (Gross cpm)	Count No. > CSV (Alpha 4.3 cpm/ Beta 960 cpm)	RESULT RANGE > CSV (cpm)	Rationale for Volumetric Sampling	Count No. of Samples	Analysis
Grid Cell/Fixed- Points	43													Total Sample Locations	3	
Alpha	43	21	5-6	0	43	8.3 to 9.1	-1.0 to 4.2	0	43	2.7	0.5 to 4.0	0	NA	Two locations at 4.0 cpm for confirmation of alpha activity	2	Alpha Spec.
Beta/ Gamma	43	1,997	1900-2000	0	43	94	-21 to 64	0	43	296	249 to 320	0	NA	One location- highest value (320)	1	Other Target Isotopes

PAOC-5W, E & MEZ- SHEETROCK WALLS

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-5W, 5E & 5MEZ Sheetrock Wall	750	BKGD RANGE (cpm)	RESULT MAX RANGE (Gross cpm)	Count No. of MAX > 2Xs BKGD	count	MDA (dpm/ 100cm2)	RESULT RANGE (dpm/ 100cm2)	Count >MDA or Lowest DCGL dpm/100cm2 (Alpha - 14 or Beta - 4,670)	count	AVG. BKGD (cpm)	RESULT RANGE (Gross cpm)	Count No. > CSV (Alpha 3.8 cpm/ Beta 960 cpm)	RESULT RANGE > CSV (cpm)	Rationale for Volumetric Sampling	Count No. of Samples	Analysis
Grid Cell/Fixed- Points	16													Total Sample Locations	5	
Alpha	16	2.2	3 to 7	8 of 16 (7@5 cpm MEZ, 1@7 cpm in 5W)	16	8.3 to 10.3	-1.6 to 3.5	0	16	2.2	0 to 1.5	0	NA	Four locations > 2X BKGD (3 of 7 in MEZ @ 5 cpm & 1 of 1 in 5W at 7 cpm)	4	Alpha Spec.
Beta/ Gamma	16	258	300 to 500	0	16	94 to 97	-21 to 34	0	16	258	119 to 273	0	NA	One location- highest value (500 on 5E Scan)	1	Other Target Isotopes

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PAOC-5W & 5E- PAINTED BLOCK WALL

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-5W & 5E Painted Block Wall	1,600	BKGD RANGE (cpm)	RESULT MAX RANGE (Gross cpm)	Count No. of MAX > 2Xs BKGD	count	MDA (dpm/ 100cm ²)	RESULT RANGE (dpm/ 100cm ²)	Count >MDA or Lowest DCGL dpm/100cm ² (Alpha - 14 or Beta -4,670)	count	AVG. BKGD (cpm)	RESULT RANGE (Gross cpm)	Count No. > CSV (Alpha 6.4 cpm/ Beta 960 cpm)	RESULT RANGE > CSV (cpm)	Rationale for Volumetric Sampling	Count No. of Samples	Analysis
Grid Cell/Fixed- Points	34													Total Sample Locations	2	
Alpha	34	4.8	6 to 7	0	34	8.3 to 10.3	-1.6 to 3.2	0	34	4.8	0.5 to 4.5	0	NA	Sample one/highest location on SW (4.5 cpm) total FP activity < 6.4 criteria, but painted	1	Alpha Spec.
Beta/ Gamma	34	399	400 to 600	0	34	94 to 96	-240 to 56	0	34	399	126 to 432	0	NA	One location- highest value (600 on 5E Scan)	1	Other Target Isotopes

PAOC-5E FLOOR, 5W FLOOR & 5MEZ FLOOR & WALL- CONCRETE

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-5W, 5E & 5MEZ CONCRETE FLOOR & WALL	7,700	BKGD RANGE (cpm)	RESULT MAX RANGE (Gross cpm)	Count No. of MAX > 2Xs BKGD	count	MDA (dpm/ 100cm ²)	RESULT RANGE (dpm/ 100cm ²)	Count >MDA or Lowest DCGL dpm/100cm ² (Alpha - 14 or Beta -4,670)	count	AVG. BKGD (cpm)	RESULT RANGE (Gross cpm)	Count No. > CSV (Alpha 4.9 cpm/ Beta 960 cpm)	RESULT RANGE > CSV (cpm)	Rationale for Volumetric Sampling	Count No. of Samples	Analysis
Grid Cell/Fixed- Points	159													Total Sample Locations	15	
Alpha Floor	125	29	8 to 20	0 Floor	125	9.1 to 9.7	-1.3 to 5.8	0	125	3.3	1 to 7.5	4 in 5W> 4.9, 1 in 5E> 4.9	5W - 5 to 7.5 & 5E 5.5	4 of 4 in 5W FP at 5 to 7.5 cpm and 1 of 1 in 5E FP at 5.5 cpm (> 4.9 lower criteria)	5	Alpha Spec.
Alpha Wall	34	3.3	5 to 7	7 cpm 1/1 W, 7 cpm 19/19 E, 0/MEZ	34	8.3 to 10.3	-1.6 to 5.2	0	34	3.3	0.5 to 4.5	0	NA	1 of 1 Wall location in 5W SM at 7 cpm & 5 of 19 Wall locations in 5E SM at 7 cpm (> 2Xs BKGD)	6	Alpha Spec.
Beta/ Gamma Floor	125	2411	2200 to 2500	0 Floor	125	94 to 97	-70 to 59	0	125	380	317 to 408	0	NA	None- results below 2Xs background and lowest criteria	0	
Beta/ Gamma Wall	34	380	400 to 800	16/19 at 800 E Only	34	94 to 97	-62 to 45	0	34	380	126 to 428	0	NA	4 of 16 Wall locations in 5E where SM at 800cpm (>2Xs BKGD)	4	Other Target Isotopes

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PAOC-5W METAL WALLS

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-5W Metal Wall	245	BKGD RANGE (cpm)	RESULT MAX RANGE (Gross cpm)	Count No. of MAX > 2Xs BKGD	count	MDA (dpm/ 100cm2)	RESULT RANGE (dpm/ 100cm2)	Count >MDA or Lowest DCGL dpm/100cm2 (Alpha - 14 or Beta- 4,670)	count	AVG. BKGD (cpm)	RESULT RANGE (Gross cpm)	Count No. > CSV (Alpha 3.4 cpm/ Beta 960 cpm)	RESULT RANGE > CSV (cpm)	Rationale for Volumetric Sampling	Count No. of Samples	Analysis
Grid Cell/Fixed- Points	5													Total Sample Locations	0	
Alpha	5	1.8	1	0	5	8.3	-0.6	0	5	1.8	1.5 to 2.5	0	NA	None- results below 2Xs background and lowest criteria	0	Alpha Spec.
Beta/ Gamma	5	212	300	0	5	94	-21 to 43	0	5	212	239 to 293	0	NA	None- results below 2Xs background and lowest criteria	0	Other Target Isotopes

PAOC-5W RED BRICK WALL

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-5W Red Brick Wall	490	BKGD RANGE (cpm)	RESULT MAX RANGE (Gross cpm)	Count No. of MAX > 2Xs BKGD	count	MDA (dpm/ 100cm2)	RESULT RANGE (dpm/ 100cm2)	Count >MDA or Lowest DCGL dpm/100cm2 (Alpha - 14 or Beta- 4,670)	count	AVG. BKGD (cpm)	RESULT RANGE (Gross cpm)	Count No. > CSV (Alpha 4.9 cpm/ Beta 960 cpm)	RESULT RANGE > CSV (cpm)	Rationale for Volumetric Sampling	Count No. of Samples	Analysis
Grid Cell/Fixed- Points	10													Total Sample Locations	3	
Alpha	10	3.3	All 10 at 2 cpm	0	10	8.3	-0.6 to 2.6	0	10	3.3	1.5 to 4	0	NA	2 of 10 FP wall locations 4 cpm < 4.9 lowest criteria but collected as confirmation samples	2	Alpha Spec.
Beta/ Gamma	10	380	All 10 at 500 cpm	0	10	94	-27 to 59	0	10	380	400 to 428	0	NA	One location- highest value (500 on 5W Scan)	1	Other Target Isotopes