

TABLE 3-6
PAOC-6 SUMMARY OF SURVEY RESULTS SAMPLE SELECTION CRITERIA

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PAOC-6NW & 6SW- PAINTED BLOCK WALL

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity					Sample Selection Criteria		
Area- PAOC-6NW & 6SW Painted Block Wall			RESULT MAX RANGE					Count >MDA or Lowest DCGL						Rationale for Volumetric Sampling	Count No. of Samples	Analysis	
		BKGD RANGE	(Gross cpm)	Count No. of MAX > 2Xs BKGD	count	MDA (dpm/100cm2)	RESULT RANGE (dpm/100cm2)	dpm/100cm2 (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)				
Grid Cell/Fixed-Points	25													Total Sample Locations	3		
Alpha	25	4.8	5 to 8	0	25	8.3 to 9.2	-0.6 to 2.6	0	25	4.8	2.5 to 4.5	0	NA	NW - Sample one/highest location (4.5 cpm) total FP activity < 6.4 criteria, but painted	1	Alpha Spec.	
Beta/ Gamma	25	399	440 to 841	NW - 7 of 17 (800 to 841 cpm) >2X's BKGD	25	95 to 97	-65 to 26	0	25	399	357 to 444	0	NA	NW- Sample 2 highest (826 & 841 cpm) of 7 locations > 2Xs BKGD	2	Gamma Spec & Other Target Isotopes	

PAOC- 6NE & 6NW Floor & Wall & 6SE & 6SW Columns/Wall- CONCRETE

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-6NM, 6NE, 6SW & 6SE Floor & Wall/Column	3,381	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	72													Total Sample Locations	9	
Alpha Floor	65	29	9 to 20	0 Floor	65	8.3 to 9.7	-8.2 to 7.3	0	65	3.3	1 to 7	NE Floor - 12 locations > 4.9 cpm	5 to 7 cpm	NE Floor- Sample 5 highest (6 to 7 cpm) of 12 location > lowest criteria (4.9 cpm)	5	Alpha Spec.
Alpha Wall	7	3.3	4 to 8	6NE - 2 of 2 Wall at 8cpm > 2X's BKGD at 3.3 cpm	7	7.3 to 9.7	-0.6 to 2.6	0	7	3.3	1 to 4.5	0	NA	NE Wall Sample 1 of 2 wwith SM at 8 cpm >2Xs BKGD ar 3.3 cpm	1	Alpha Spec.
Beta/ Gamma Floor	65	2411	2,000 to 2,300	0 Floor	65	95 to 96	-42 to 35	0	65	380	289 to 419	0	NA	Three locations (NE Grid 7, 8 & 16 closest to HRW) to provide confirmation- results consistent with background and below lowest criteria	3	Gamma Spec. & Other Isotopes
Beta/ Gamma Wall	7	380	300 to 500	0 Wall	7	96 to 97	-42 to 37	0	7	380	260 to 419	0	NA	None- results below 2Xs background and lowest criteria	0	Other Target Isotopes

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PAOC-6NW, 6NE, 6SW & 6SE- VINYL TILE FLOOR

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-6NW, 6NE, 6SE & 6SW Vinyl Floor Tile	5,978	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	122													Total Sample Locations	2	
Alpha	122	21	17-20	0	122	7.3 to 8.3	-1.0 to 5.8	0	122	2.7	0 to 4.5	1 at 4.5 cpm> 4.3 cpm lower limit in SW-12	4.5	One FP location in SW-12 at 4.5 cpm > lowest criteria (4.3 cpm)	1	Alpha Spec.
Beta/ Gamma	122	1,997	1,800-2,200	0	122	95 to 97	-255 to 74	0	122	296	243 to 383	0	NA	One random location (NE Grid 56 closest to HRW) to provide confirmation- results consistent with background and below lowest criteria	1	Gamma Spec. & Other Target Isotopes

PAOC-6NW, 6NE, 6SW & 6SE- SHEETROCK WALLS

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-6NW, 6NE, 6SE & 6SW Sheetrock Wall	9,016	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	184													Total Sample Locations	9	
Alpha	184	2.2	4 to 6	31 of 42 at 5 to 6 cpm 6NW + 24 of 24 all at 5 cpm 6NE + 18 of 27 at 5 cpm 6SW + 52 of 91 at 5 cpm 6SE > 2Xs BKGD	184	9.1 to 9.7	-1.3 to 3.5	0	184	2.2	0 to 4.5	5 locations 6NW + 2 locations NE + 4 locations SE > 3.8	4 to 5 cpm	1) 2 locations 6NW-1 highest of SM (6 cpm) >BKGD + 1 highest FP (4.5 cpm) > 3.8 lowest criteria; 2) 2 locations 6NE- 1 highest of SM (5 cpm) >BKGD + 1 FP (4.5 cpm) > 3.8 lowest criteria; 3) 6SW- 1 location SW-1 highest of SM (5 cpm) >BKGD; 4) 6SE- 2 locations SE- 1 highest of SM (5 cpm) >BKGD + 1 highest FP (4 cpm) > 3.8 lowest criteria	7	Alpha Spec.
Beta/ Gamma	184	258	280 to 300	0	184	95 to 97	-57 to 56	0	184	258	233 to 290	0	NA	Two random location (NE Grid 8 E & W Walls adjacent to HRW) to provide confirmation- results consistent with background and below lowest criteria	2	Gamma Spec.

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PAOC-6 NW, NE, SE, SW Metal Duct, Vents & Risers

	LF/Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-6 Metal Duct, Vent & Risers	387 LF Duct/27 Vents/6 Risers	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	65													Total Sample Locations	0	
Alpha	65	1.8	3 to 4	6SE - All 27 locations 4 cpm & 6SW All 16 of 16 locations 4 cpm > 2X's BKGD	65	8.3 to 9.2	-0.6 to 6.1	0	65	1.8	0 to 2.5	0	NA	None- results > 2Xs background in SE & SW Grids by only 0.4 cpm (4 vs 3.6), all results consistent at 4 (no elevated areas), no elevated removable activity, no elevated fixed point activity and all FP < lowest criteria	0	Alpha Spec.
Beta/ Gamma	65	212	250	212 to 250	65	95 to 97	-46 to 66	0	65	212	248 to 291	0	NA	None- results below 2Xs background and lowest criteria	0	Other Target Isotopes

PAOC-6NW & 6SE CARPET

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-6NW & 6SE Carpet	588	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 4.2 cpm/ Beta 960 cpm)	RESULT RANGE > CSV (cpm)	Rationale for Volumetric Sampling	Count No. of Samples	Analysis
Grid Cell/Fixed-Points	12													Total Sample Locations	2	
Alpha	12	19.5	17 to 18	0	12	7.3 to 8.2	-0.6 to 2.9	0	12	2.6	1.5 to 4.5	1 NW Block	4.5 cpm	NW - Sample one/highest location (4.5 cpm) total FP activity > lowest criteria (4.2 cpm)	1	Alpha Spec.
Beta/ Gamma	12	1,802	1,200 to 2,000	0	12	95 to 96	-22 to 25	0	12	263	300 to 350	0	NA	One random location (SE Grid 45) to provide confirmation- results consistent with background and below lowest criteria	1	Other Target Isotopes

PAOC-6 CONCRETE CEILING

	Sft./Count	100% Scan			Fixed-Point Removable Activity (Smears)					Fixed-Point Total Activity				Sample Selection Criteria		
Area- PAOC-6 Concrete Ceiling	13,000	BKGD RANGE (cpm)	RESULT MAX RANGE (Gross cpm)	MAX > 2X 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 or 5.8 cpm/ Beta 960 cpm)	RESULT RANGE > CSV (cpm)	Rationale for Volumetric Sampling	Count No. of Samples	Analysis
Grid Cell/Fixed-Points	541													Total Sample Locations	2	
Alpha	541	3.3 to 4.1	4 to 5	0	541	7.3 to 10.3	-1.6 to 5.2	0	541	4 to 4.2	0.5 to 4.5	0	NA	One sample at highest FP location for alpha (4.5 cpm) Grid Block 123 Flat for confirmation	1	Alpha Spec.
Beta/ Gamma	541	332 to 431	300 to 400	0	541	94 to 99	-40 to 75	0	541	333 to 432	300 to 445	0	NA	One sample at highest FP location for beta/gamma (445 cpm) Grid Block 219 Flat for confirmation	1	Gamma Spec. & Other Isotopes