Table 7.3-1. Summary of Background Results, Dry Weight and OC-Equivalent Concentrations

		All Data					Outliers Removed							
			95% UPL		95% UCL			95% UPL			95% UCL			
Type	**Units**	**Distribution**	**Type**	**UPL**	**Type**	**UCL**	**No. of Outliers removed**	**Type**	**UPL**	**UPL - OC Equivalent**	**Type**	**UCL**	**UCL – OC Equivalent**	**Notes**
Aldrin[a]	µg/kg	No background calculated, insufficient detections												
Arsenic	µg/kg	Approx. Gamma	Log-t	4.0	Gamma	3.0	3	Normal-t	3.6	--	Normal Student's-t	2.9	--	Data are approximate normal with 3 outliers removed
Bis(2-ethylhexyl) phthalate	µg/kg	Lognormal	Log ROS-t	189	KM-Chebyshev	208	4	Hawkins-Wixley	103	158	Gamma-ROS	40.3	62	Data are not normal with outliers removed
Chlordanes [a]	µg/kg	Approx. Gamma	Hawkins-Wixley	0.9	KM-t	0.4	2	Normal KM-t	0.7	1	Normal KM-t	0.3	0.5	2 outliers
Chromium	mg/kg	Normal	Normal-t	32.2	Normal Student's-t	23.8	0							No outliers
Copper	mg/kg	Approx. Normal	Normal-t	37.4	Normal Student's-t	25.9	0							No outliers
DDx [a]	µg/kg	Approx. Normal	Normal KM-t	4.0	Normal KM-t	2.3	2	Normal KM-t	3.3	5.1	Normal KM-t	2	3.1	
Dieldrin [a]	µg/kg	No background calculated, insufficient detections												
Mercury	mg/kg	Normal	Normal KM-t	0.05	Normal KM-t	0.03	0							No outliers
Total PAHs	µg/kg	Gamma	Hawkins-Wixley	353	Gamma ROS	106	3	Normal KM-t	148	228	Normal KM-t	73.3	113	Data are approximate normal with 3 outliers removed
PCBs (Aroclors) [a]	µg/kg	None	None	39.3	KM-t	10.5	5	Hawkins-Wixley	12	19	Gamma KM	5.6	9	Data are not normal with outliers removed
PCBs (Congeners)	µg/kg	Lognormal	Log-t	20.5	H-UCL	9.3	4	Hawkins-Wixley	7.7	11.9	Gamma	4.2	6.4	Data are not normal with outliers removed
Total PCDD/Fs	µg/kg	Gamma	Hawkins-Wixley	0.2	Gamma	0.09	1	Hawkins-Wixley	0.2	0.3	Gamma	0.08	0.1	Data are not normal with outlier removed
Tributyltin	µg/kg	No background calculated, insufficient detections												
Zinc	mg/kg	Approx. Normal	Normal-t	111	Normal Student's-t	79	1	Normal-t	104	--	Normal Student's-t	77	--	1 outlier

Notes:

[a] Indicates data analyzed by Method SOM01.2 were excluded

The OC-equivalent values were calculated by multiplying the dry weight values by the ratio of the Study Area average total organic carbon content (1.71%) and the average total organic carbon content of the background data set (1.11%) (1.71/1.11 or 1.54).

GROS - gamma regression on order statistics
KM - Kaplan-Meier
OC - organic carbon
PAH - polycyclic aromatic hydrocarbon
PCB - polychlorinated biphenyl
PCDD/F - dioxin/furan
UCL - upper confidence limit
UPL - upper prediction limit