Assessment Criteria :	Drinking Water Standard England and Wales/WHO
CaCO (mg/l):	0.00
pH	0.00
Calcium (mg/l):	0.00
DOC (mg/l)	0.00
Catchment area:	Anglesey

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences	Location	Sample ID	Depth	Date	Strata	Zone	1702407	1702408	1702409	1702410	1702411	1702412	1702413	1665997	1665143	1665614	1665615	1665616	1665617
															ATK_TP_001_0060	ATK_TP_004_0140	ATK_TP_004_0280	ATK_TP_007_0090	ATK_TP_007_0280	ATK_TP_009_0050	ATK_TP_009_0150	PRAIRIE_AUK_TP163_SO_0120	PRAIRIE_AUK_TP175_SO_0080	PRAIRIE_AUK_TP179_SO_0140	PRAIRIE_AUK_TP179_SO_0200	PRAIRIE_AUK_TP181_SO_0060	PRAIRIE_AUK_TP182_SO_0090
															0.6m	1.4m	2.8m	0.9m	2.8m	0.5m	1.5m	1.2m	0.8m	1.4m	2m	0.6m	0.9m
															19/06/2020	18/06/2020	18/06/2020	16/06/2020	16/06/2020	17/06/2020	n/s	14/04/2020	06/04/2020	09/04/2020	09/04/2020	09/04/2020	09/04/2020
Antimony	mg/l	0.00017	0.005	13	<0.00017	0.0006	0								<0.00017	<0.00017	<0.00017	0.00029	<0.00017	0.0006	<0.00017	0.00033	0.00032	0.00018	<0.00017	0.00047	0.00033
Arsenic	mg/l	0.00016	0.01	13	0.00029	0.0042	0								0.00064	0.00067	0.00038	0.0025	0.00037	0.0018	0.00029	0.0016	0.00088	0.0019	0.00089	0.0042	0.0036
Barium	mg/l	0.00026	1.3	13	0.0056	0.07	0								0.012	0.0082	0.0057	0.023	0.012	0.044	0.025	0.032	0.0079	0.07	0.006	0.0056	0.0065
Beryllium	mg/l	0.0001	0.012	13	<0.0001	<0.0001	0								<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Boron	mg/l	0.012	1	13	0.019	0.1	0								0.024	0.031	0.019	0.059	0.02	0.037	0.02	0.05	0.047	0.091	0.1	0.021	0.073
Cadmium	mg/l	0.00003	0.005	13	0.00003	<0.00003	0								<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Chromium	mg/l	0.00025	0.05	13	<0.00025	0.00093	0								0.0003	<0.00025	<0.00025	0.00041	<0.00025	<0.00025	<0.00025	<0.00025	0.00042	<0.00025	0.00079	0.00093	0.00057
Chromium Total	mg/l	0.00025	0.05	13	0	0	0																				
Chromium Hexavalent	mg/l	0.007	See Total Chromium	13	<0.007	<0.007	0								<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
Copper	mg/l	0.0004	2	13	<0.0004	0.0059	0								0.0034	0.0041	0.0015	0.0055	0.0025	0.0059	0.0033	0.0006	0.001	0.001	0.0027	0.0056	<0.0004
Iron	mg/l	0.0055	0.2	13	0.013	1.7	3	1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m							0.062	0.013	0.018	0.019	0.079	0.14	0.039	0.86	0.021	0.08	1.7	0.094	0.48
Lead	mg/l	0.00009	0.01	13	0.00009	0.0042	0								0.00056	0.00011	<0.00009	0.00034	0.00013	0.00026	0.00015	<0.00009	0.00045	<0.00009	0.0012	0.0042	0.00009
Magnesium	mg/l	0.02	N/A	13	0.92	14	0								1.8	0.92	1.4	3.9	2	2.9	1.7	4.5	2.1	14	1.9	1.7	3.3
Manganese	mg/l	0.00022	0.05	13	0.0062	0.89	4	1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m							0.0079	0.014	0.015	0.018	0.044	0.05	0.017	0.4	0.052	0.89	0.028	0.0062	0.086
Mercury	mg/l	0.00001	0.001	13	<0.00001	0.00006	0								0.00006	<0.00001	<0.00001	<0.00001	<0.00001	0.00002	<0.00001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001	<0.00001
Molybdenum	mg/l	0.0011	0.07	13	<0.0011	0.0027	0								<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0015	0.0025	0.002	0.0013	0.0012	0.0027
Nickel	mg/l	0.0005	0.02	13	0.0005	0.0026	0								<0.0005	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0021	<0.0005	0.0026	0.0011	0.0005	0.0025
Vanadium	mg/l	0.0006	N/A	13	0.0006	0.0072	0								<0.0006	0.0029	0.0011	0.0072	<0.0006	0.0037	<0.0006	<0.0006	0.0006	0.0006	0.0013	0.0024	<0.0006
Zinc	mg/l	0.0013	3	13	<0.0013	0.016	0								0.0076	0.004	0.0073	0.0054	0.0025	0.016	0.0071	0.0028	0.0016	0.0053	0.0033	0.002	<0.0013
Inorganics																											
pH	pH		6.5-9.5	13	6.8	8.3	0								8.1	6.8	6.8	7.2	7.2	6.8	7.1	8.1	8.2	7.1	7.5	8.3	7.6
Cyanide, Total	mg/l	0.04	0.05	13	<0.04	2.2	4	1702412, ATK_TP_009_0050, 0.5m; 1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m							<0.04	<0.04	<0.04	<0.04	<0.04	0.3	<0.04	2.2	<0.04	0.067	0.041	0.046	1.1
Ammoniacal Nitrogen as N	mg/l	0.015	0.39	13	<0.015	1.6	2	1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m							<0.015	<0.015	<0.015	<0.015	0.18	0.03	<0.015	<0.015	1.6	0.2	1.2	0.022	0.071
Chloride	mg/l	0.1	250	13	1.9	9.9	0								2.4	1.9	3.2	2.2	9.9	2.2	3.9	2.6	6.5	4.5	2.1	5.7	3
Sulphate as SO4	mg/l	0.1	250	13	5.2	180	0								21	22	18	46	12	130	5.2	64	11	37	180	27	18
Petroleum Hydrocarbons																											
Aliphatic C5-C6	mg/l	0.0001	15	13	<0.0001	<0.001	0								<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aliphatic C6-C8	mg/l	0.0001	15	13	<0.0001	<0.001	0								<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aliphatic C8-C10	mg/l	0.0001	0.3	13	<0.0001	0.82	1	1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m							<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	0.82
Aliphatic C10-C12	mg/l	0.001	0.3	13	<0.001	<0.001	0								<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C12-C16	mg/l	0.001	0.3	13	<0.001	<0.001	0								<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C16-C21	mg/l	0.001	N/A	13	<0.001	<0.001	0								<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C21-C35	mg/l	0.001	N/A	13	<0.001	<0.001	0								<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C5-C35	mg/l	0.01	No WSV	13	<0.01	0.82	0								<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.82
Aromatic C5-C7	mg/l	0.0001	0.01	13	<0.0001	<0.001	0								<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aromatic C7-C8	mg/l	0.0001	0.7	13	<0.0001	<0.001	0								<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aromatic C8-C10	mg/l	0.0001	0.3	13	<0.0001	<0.001	0								<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aromatic C10-C12	mg/l	0.001	0.09	13	<0.001	3.4	2	1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m							<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.48	<0.001	<0.001	3.4
Aromatic C12-C16	mg/l	0.001	0.09	13	<0.001	3.5	3	1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m							<0.001	<0.001	0.0017	<0.001	<0.001	<0.001	<0.001	<0.001	0.11	0.37	<0.001	<0.001	3.5
Aromatic C16-C21	mg/l	0.001	0.09	13	<0.001	0.61	1	1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m							<0.001	<0.001	0.0014	<0.001	<0.001	<0.001	<0.001	<0.001	0.022	0.018	<0.001	<0.001	0.61
Aromatic C21-C35	mg/l	0.001	0.09	13	<0.001	0.18	1	1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m							<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.013	<0.001	<0.001	0.18
Aromatic C5-C35	mg/l	0.01	No WSV	13	<0.01	7.7	0								<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.88	<0.01	<0.01	7.7
TPH Ali/Aro Total	mg/l	0.01	No WSV	13	<0.01	8.5	0								<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.88	<0.01	<0.01	8.5
EPH (C10-C40)	mg/l	0.01	No WSV	13	9.3	9.3	0																9.3				
PAHs																											
Naphthalene	mg/l	0.00005	See BaP	13	0.00005	11	0								0.00015	<0.00005	<0.00005	0.00005	0.00016	0.00007	0.00014	0.0032	0.89	2.3	0.05	0.0017	11
Acenaphthylene	mg/l	0.00001	See BaP	13	<0.00001	0.19	0								0.00013	0.00002	<0.00001	0.00006	0.00002	0.00004	<0.00001	0.03	0.086	0.032	0.0034	0.009	0.19
Acenaphthene	mg/l	0.00001	See BaP	13	0.00001	1.1	0								0.00009	0.00002	0.00001	0.00016	0.00064	0.00005	0.00003	0.65	0.91	0.49	0.047	0.0033	1.1
Fluorene	mg/l	0.00001	See BaP	13	0.00001	0.38	0								0.00007	0.00002	<0.00001	0.00005	0.00038	0.00004	0.00001	0.12	0.38	0.078	0.0075	0.0019	0.29
Phenanthrene	mg/l	0.00001	See BaP	13	0.00005	0.36	0								0.0016	0.00012	0.00005	0.00039	0.00029	0.00021	0.00013	0.0057	0.36	0.016	0.0021	0.0042	0.17
Anthracene	mg/l	0.00001	See BaP	13	<0.00001	0.057	0								0.0004	0.00005	<0.00001	0.00015	0.00016	0.00015	0.00002	0.011	0.057	0.0012	0.00051	0.0033	0.035
Fluoranthene	mg/l	0.00001	See BaP	13	0.00007	0.066	0								0.007	0.00018	0.00007	0.0026	0.001	0.00098	0.00018	0.011	0.066	0.0012	0.00041	0.0043	0.024
Pyrene	mg/l	0.00001	See BaP	13	0.00006	0.041	0								0.0076	0.00016	0.00006	0.0027	0.00074	0.00091	0.00017	0.0067	0.041	<0.001	0.00025	0.0044	0.014
Benzo(a)anthracene	mg/l	0.00001	See BaP	13	0.00004	0.024	0								0.0068	0.0001	0.00004	0.00083	0.00038	0.00068	0.00011	0.0014	0.024	<0.001	<0.0001	0.0021	0.0028
Chrysene	mg/l	0.00001	See BaP	13	0.00004	0.02	0								0.0033	0.00021	0.00004	0.00087	0.00046	0.00061	0.00012	0.0015	0.02	<0.001	<0.0001	0.0039	0.0031
Benzo(b)fluoranthene	mg/l	0.00001	See PAH Sum of 4	13	0.00006	0.027	0								0.0054	0.00017	0.00006	0.0018	0.00066	0.0011	0.00019	0.0016	0.027	<0.001	<0.0001	0.0081	0.0024
Benzo(k)fluoranthene	mg/l	0.00001	See PAH Sum of 4	13	0.00002	0.0097	0								0.0017	0.00007	0.00002	0.00064	0.00024	0.00038	0.00007	<0.001	0.0097	<0.001	<0.0001	0.0028	0.0011
Benzo(a)pyrene	mg/l	0.00001	0.00001	13	0.00003	0.019	10	1702407, ATK_TP_001_0060, 0.6m; 1702408, ATK_TP_004_0140, 1.4m; 1702409, ATK_TP_004_0280, 2.8m; 1702410, ATK_TP_007_0090, 0.9m; 1702411, ATK_TP_007_0280, 2.8m; 1702412, ATK_TP_009_0050, 0.5m; 1702413, ATK_TP_009_0150, 1.5m; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m; 1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m							0.0046	0.0001	0.00003	0.0036	0.00053	0.00079	0.00013	<0.001	0.019	<0.001	<0.0001	0.0044	0.0013
Indeno(1,2,3-c,d)pyrene	mg/l	0.00001	See PAH Sum of 4	13	0.00003	0.015	0								0.0042	0.0001	0.00003	0.0013	0.00026	0.00095	0.00011	<0.001	0.015	<0.001	<0.0001	0.0071	<0.001
Dibenzo(a,h)anthracene	mg/l	0.00001	See BaP	13	<0.00001	0.003	0								0.0011	0.00002	<0.00001	0.00021	0.00006	0.00019	0.00002	<0.001	0.003	<0.001	<0.0001	0.0017	<0.001
Benzo(g,h,i)perylene	mg/l	0.00001	See PAH Sum of 4	13	0.00003	0.0095	0								0.0047	0.00011	0.00003	0.001	0.00033	0.00098	0.00013	<0.001	0.0095	<0.001	<0.0001	0.008	<0.001
PAH Total	mg/l	0.0002	No WSV	13	0.00051	13	0								0.049	0.0015	0.00051	0.016	0.0063	0.0081	0.0016	0.84	2.9	2.9	0.11	0.07	13
Phenols																											
Phenol - Monohydric	mg/l	0.1	No WSV	13	<0.1	<0.1	0								<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Assessment Criteria :	Coastal and Estuarine EQS		
CaCO (mg/l):	0.00	pH	0.00
Calcium (mg/l):	0.00	DOC (mg/l)	0.00
Catchment area:	Anglesey		

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Antimony	mg/l	0.00017	N/A	13	<0.00017	0.0006	0	
Arsenic	mg/l	0.00016	0.025	13	0.00029	0.0042	0	
Barium	mg/l	0.00026	N/A	13	0.0056	0.07	0	
Beryllium	mg/l	0.0001	No WSV	13	<0.0001	<0.0001	0	
Boron	mg/l	0.012	7	13	0.019	0.1	0	
Cadmium	mg/l	0.00003	0.0002	13	0.00003	<0.00003	0	
Chromium	mg/l	0.00025	See Cr VI as first pass	13	<0.00025	0.00093	0	
Chromium Total	mg/l	0.00025	See Cr VI as first pass	13	0	0	0	
Chromium Hexavalent	mg/l	0.007	0.0006	13	<0.007	<0.007	0	
Copper	mg/l	0.0004	0.00376	13	<0.0004	0.0059	4	1702408, ATK_TP_004_0140, 1.4m, 18/06/2020; 1702410, ATK_TP_007_0090, 0.9m, 16/06/2020; 1702412, ATK_TP_009_0050, 0.5m, 17/06/2020; 1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020
Iron	mg/l	0.0055	1	13	0.013	1.7	1	1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020
Lead	mg/l	0.00009	0.0013	13	0.00009	0.0042	1	1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020
Magnesium	mg/l	0.02	N/A	13	0.92	14	0	
Manganese	mg/l	0.00022	N/A	13	0.0062	0.89	0	
Mercury	mg/l	0.00001	0.00007	13	<0.00001	0.00006	0	
Molybdenum	mg/l	0.0011	N/A	13	<0.0011	0.0027	0	
Nickel	mg/l	0.0005	0.0086	13	0.0005	0.0026	0	
Vanadium	mg/l	0.0006	0.1	13	0.0006	0.0072	0	
Zinc	mg/l	0.0013	0.0079	13	<0.0013	0.016	1	1702412, ATK_TP_009_0050, 0.5m, 17/06/2020
Inorganics								
pH	pH		7 - 9.0	13	6.8	8.3	3	1702408, ATK_TP_004_0140, 1.4m, 18/06/2020; 1702409, ATK_TP_004_0280, 2.8m, 18/06/2020; 1702412, ATK_TP_009_0050, 0.5m, 17/06/2020
Cyanide, Total	mg/l	0.04	N/A	13	<0.04	2.2	0	
Ammoniacal Nitrogen as N	mg/l	0.015	Not appropriate, see Unionised Ammonia	13	<0.015	1.6	0	
Chloride	mg/l	0.1	N/A	13	1.9	9.9	0	
Sulphate as SO4	mg/l	0.1	N/A	13	5.2	180	0	
Petroleum Hydrocarbons								
Aliphatic C5-C6	mg/l	0.0001	0.008	13	<0.0001	<0.001	0	
Aliphatic C6-C8	mg/l	0.0001	0.008	13	<0.0001	<0.001	0	
Aliphatic C8-C10	mg/l	0.0001	0.008	13	<0.0001	0.82	1	1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aliphatic C10-C12	mg/l	0.001	0.008	13	<0.001	<0.001	0	
Aliphatic C12-C16	mg/l	0.001	0.008	13	<0.001	<0.001	0	
Aliphatic C16-C21	mg/l	0.001	0.008	13	<0.001	<0.001	0	
Aliphatic C21-C35	mg/l	0.001	0.008	13	<0.001	<0.001	0	
Aliphatic C5-C35	mg/l	0.01	No WSV	13	<0.01	0.82	0	
Aromatic C5-C7	mg/l	0.0001	0.008	13	<0.0001	<0.001	0	
Aromatic C7-C8	mg/l	0.0001	0.008	13	<0.0001	<0.001	0	
Aromatic C8-C10	mg/l	0.0001	0.008	13	<0.0001	<0.001	0	
Aromatic C10-C12	mg/l	0.001	0.008	13	<0.001	3.4	2	1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aromatic C12-C16	mg/l	0.001	0.008	13	<0.001	3.5	3	1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aromatic C16-C21	mg/l	0.001	0.008	13	<0.001	0.61	3	1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aromatic C21-C35	mg/l	0.001	0.008	13	<0.001	0.18	2	1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aromatic C5-C35	mg/l	0.01	No WSV	13	<0.01	7.7	0	
TPH Ali/Aro Total	mg/l	0.01	No WSV	13	<0.01	8.5	0	
EPH (C10-C40)	mg/l	0.01	No WSV	13	9.3	9.3	0	
PAHs								
Naphthalene	mg/l	0.00005	0.002	13	0.00005	11	5	1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m, 14/04/2020; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Acenaphthylene	mg/l	0.00001	N/A	13	<0.00001	0.19	0	
Acenaphthene	mg/l	0.00001	N/A	13	0.00001	1.1	0	
Fluorene	mg/l	0.00001	N/A	13	0.00001	0.38	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	13	0.00005	0.36	0	
Anthracene	mg/l	0.00001	0.0001	13	<0.00001	0.057	10	1702407, ATK_TP_001_0060, 0.6m, 19/06/2020; 1702410, ATK_TP_007_0090, 0.9m, 16/06/2020; 1702411, ATK_TP_007_0280, 2.8m, 16/06/2020; 1702412, ATK_TP_009_0050, 0.5m, 17/06/2020; 1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m, 14/04/2020; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020; 1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Fluoranthene	mg/l	0.00001	0.0000063	13	0.00007	0.066	13	1702407, ATK_TP_001_0060, 0.6m, 19/06/2020; 1702408, ATK_TP_004_0140, 1.4m, 18/06/2020; 1702409, ATK_TP_004_0280, 2.8m, 18/06/2020; 1702410, ATK_TP_007_0090, 0.9m, 16/06/2020; 1702411, ATK_TP_007_0280, 2.8m, 16/06/2020; 1702412, ATK_TP_009_0050, 0.5m, 17/06/2020; 1702413, ATK_TP_009_0150, 1.5m, n/s; 1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m, 14/04/2020; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020; 1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Pyrene	mg/l	0.00001	N/A	13	0.00006	0.041	0	
Benzo(a)anthracene	mg/l	0.00001	N/A	13	0.00004	0.024	0	
Chrysene	mg/l	0.00001	Screen BaP only	13	0.00004	0.02	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	13	0.00006	0.027	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	13	0.00002	0.0097	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	13	0.00003	0.019	10	1702407, ATK_TP_001_0060, 0.6m, 19/06/2020; 1702408, ATK_TP_004_0140, 1.4m, 18/06/2020; 1702409, ATK_TP_004_0280, 2.8m, 18/06/2020; 1702410, ATK_TP_007_0090, 0.9m, 16/06/2020; 1702411, ATK_TP_007_0280, 2.8m, 16/06/2020; 1702412, ATK_TP_009_0050, 0.5m, 17/06/2020; 1702413, ATK_TP_009_0150, 1.5m, n/s; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Indeno(1,2,3-c,d)pyrene	mg/l	0.00001	Screen BaP only	13	0.00003	0.015	0	
Dibenzo(a,h)anthracene	mg/l	0.00001	N/A	13	<0.00001	0.003	0	
Benzo(g,h,i)perylene	mg/l	0.00001	Screen BaP only	13	0.00003	0.0095	0	
PAH Total	mg/l	0.0002	No WSV	13	0.00051	13	0	
Phenols								
Phenol - Monohydric	mg/l	0.1	No WSV	13	<0.1	<0.1	0	

Location	1702407	1702408	1702409	1702410	1702411	1702412	1702413	1665997	1665143	1665614	1665615	1665616	1665617
Sample ID	ATK_TP_001_0060	ATK_TP_004_0140	ATK_TP_004_0280	ATK_TP_007_0090	ATK_TP_007_0280	ATK_TP_009_0050	ATK_TP_009_0150	PRAIRIE_AUK_TP163_SO_0120	PRAIRIE_AUK_TP175_SO_0080	PRAIRIE_AUK_TP179_SO_0140	PRAIRIE_AUK_TP179_SO_0200	PRAIRIE_AUK_TP181_SO_0060	PRAIRIE_AUK_TP182_SO_0090
Depth	0.6m	1.4m	2.8m	0.9m	2.8m	0.5m	1.5m	1.2m	0.8m	1.4m	2m	0.6m	0.9m
Date	19/06/2020	18/06/2020	18/06/2020	16/06/2020	16/06/2020	17/06/2020	n/s	14/04/2020	06/04/2020	09/04/2020	09/04/2020	09/04/2020	09/04/2020
Strata													
Zone													
Antimony	<0.00017	<0.00017	<0.00017	0.00029	<0.00017	0.0006	<0.00017	0.00033	0.00032	0.00018	<0.00017	0.00047	0.00033
Arsenic	0.00064	0.00067	0.00038	0.0025	0.00037	0.0018	0.00029	0.0016	0.00088	0.0019	0.00089	0.0042	0.0036
Barium	0.012	0.0082	0.0057	0.023	0.012	0.044	0.025	0.032	0.0079	0.07	0.006	0.0056	0.0065
Beryllium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Boron	0.024	0.031	0.019	0.059	0.02	0.037	0.02	0.05	0.047	0.091	0.1	0.021	0.073
Cadmium	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Chromium	0.0003	<0.00025	<0.00025	0.00041	<0.00025	<0.00025	<0.00025	<0.00025	0.00042	<0.00025	0.00079	0.00093	0.00057
Chromium Total													
Chromium Hexavalent	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
Copper	0.0034	0.0041	0.0015	0.0055	0.0025	0.0059	0.0033	0.0006	0.001	0.001	0.0027	0.0056	<0.0004
Iron	0.062	0.013	0.018	0.019	0.079	0.14	0.039	0.86	0.021	0.08	1.7	0.094	0.48
Lead	0.00056	0.00011	<0.00009	0.00034	0.00013	0.00026	0.00015	<0.00009	0.00045	<0.00009	0.0012	0.0042	0.00009
Magnesium	1.8	0.92	1.4	3.9	2	2.9	1.7	4.5	2.1	14	1.9	1.7	3.3
Manganese	0.0079	0.014	0.015	0.018	0.044	0.05	0.017	0.4	0.052	0.89	0.028	0.0062	0.086
Mercury	0.00006	<0.00001	<0.00001	<0.00001	<0.00001	0.00002	<0.00001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001	<0.00001
Molybdenum	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0015	0.0025	0.002	0.0013	0.0012	0.0027
Nickel	<0.0005	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0021	<0.0005	0.0026	0.0011	0.0005	0.0025
Vanadium	<0.0006	0.0029	0.0011	0.0072	<0.0006	0.0037	<0.0006	<0.0006	0.0006	0.0006	0.0013	0.0024	<0.0006
Zinc	0.0076	0.004	0.0073	0.0054	0.0025	0.016	0.0071	0.0028	0.0016	0.0053	0.0033	0.002	<0.0013
Inorganics													
pH	8.1	6.8	6.8	7.2	7.2	6.8	7.1	8.1	8.2	7.1	7.5	8.3	7.6
Cyanide, Total	<0.04	<0.04	<0.04	<0.04	<0.04	0.3	<0.04	2.2	<0.04	0.067	0.041	0.046	1.1
Ammoniacal Nitrogen as N	<0.015	<0.015	<0.015	<0.015	0.18	0.03	<0.015	<0.015	1.6	0.2	1.2	0.022	0.071
Chloride	2.4	1.9	3.2	2.2	9.9	2.2	3.9	2.6	6.5	4.5	2.1	5.7	3
Sulphate as SO4	21	22	18	46	12	130	5.2	64	11	37	180	27	18
Petroleum Hydrocarbons													
Aliphatic C5-C6	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aliphatic C6-C8	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aliphatic C8-C10	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	0.82
Aliphatic C10-C12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C12-C16	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C16-C21	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C21-C35	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C5-C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.82
Aromatic C5-C7	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aromatic C7-C8	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aromatic C8-C10	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aromatic C10-C12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.48	<0.001	<0.001	3.4
Aromatic C12-C16	<0.001	<0.001	0.0017	<0.001	<0.001	<0.001	<0.001	<0.001	0.11	0.37	<0.001	<0.001	3.5
Aromatic C16-C21	<0.001	<0.001	0.0014	<0.001	<0.001	<0.001	<0.001	<0.001	0.022	0.018	<0.001	<0.001	0.61
Aromatic C21-C35	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.013	<0.001	<0.001	0.18
Aromatic C5-C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.88	<0.01	<0.01	7.7
TPH Ali/Aro Total	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.88	<0.01	<0.01	8.5
EPH (C10-C40)									9.3				
PAHs													
Naphthalene	0.00015	<0.00005	<0.00005	0.00005	0.00016	0.00007	0.00014	0.0032	0.89	2.3	0.05	0.0017	11
Acenaphthylene	0.00013	0.00002	<0.00001	0.00006	0.00002	0.00004	<0.00001	0.03	0.086	0.032	0.0034	0.009	0.19
Acenaphthene	0.00009	0.00002	0.00001	0.00016	0.00064	0.00005	0.00003	0.65	0.91	0.49	0.047	0.0033	1.1
Fluorene	0.00007	0.00002	<0.00001	0.00005	0.00038	0.00004	0.00001	0.12	0.38	0.078	0.0075	0.0019	0.29
Phenanthrene	0.0016	0.00012	0.00005	0.00039	0.00029	0.00021	0.00013	0.0057	0.36	0.016	0.0021	0.0042	0.17
Anthracene	0.0004	0.00005	<0.00001	0.00015	0.00016	0.00015	0.00002	0.011	0.057	0.0012	0.00051	0.0033	0.035
Fluoranthene	0.007	0.00018	0.00007	0.0026	0.001	0.00098	0.00018	0.011	0.066	0.0012	0.00041	0.0043	0.024
Pyrene	0.0076	0.00016	0.00006	0.0027	0.00074	0.00091	0.00017	0.0067	0.041	<0.001	0.00025	0.0044	0.014
Benzo(a)anthracene	0.0068	0.0001	0.00004	0.00083	0.00038	0.00068	0.00011	0.0014	0.024	<0.001	<0.0001	0.0021	0.0028
Chrysene	0.0033	0.00021	0.00004	0.00087	0.00046	0.00061	0.00012	0.0015	0.02	<0.001	<0.0001	0.0039	0.0031
Benzo(b)fluoranthene	0.0054	0.00017	0.00006	0.0018	0.00066	0.0011	0.00019	0.0016	0.027	<0.001	<0.0001	0.0081	0.0024
Benzo(k)fluoranthene	0.0017	0.00007	0.00002	0.00064	0.00024	0.00038	0.00007	<0.001	0.0097	<0.001	<0.0001	0.0028	0.0011
Benzo(a)pyrene	0.0046	0.0001	0.00003	0.0036	0.00053	0.00079	0.00013	<0.001	0.019	<0.001	<0.0001	0.0044	0.0013
Indeno(1,2,3-c,d)pyrene	0.0042	0.0001	0.00003	0.0013	0.00026	0.00095	0.00011	<0.001	0.015	<0.001	<0.0001	0.0071	<0.001
Dibenzo(a,h)anthracene	0.0011	0.00002	<0.00001	0.00021	0.00006	0.00019	0.00002	<0.001	0.003	<0.001	<0.0001	0.0017	<0.001
Benzo(g,h,i)perylene	0.0047	0.00011	0.00003	0.001	0.00033	0.00098	0.00013	<0.001	0.0095	<0.001	<0.0001	0.008	<0.001
PAH Total	0.049	0.0015	0.00051	0.016	0.0063	0.0081	0.0016	0.84	2.9	2.9	0.11	0.07	13
Phenols													
Phenol - Monohydric	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Assessment Criteria :	Freshwater EQS			
CaCO (mg/l):	0.00	pH	0.00	
Calcium (mg/l):	0.00	DOC (mg/l)	0.00	Catchment area: Anglesey

Constituents	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedences	Locations of Exceedences
Antimony	mg/l	0.00017	N/A	13	<0.00017	0.0006	0	
Arsenic	mg/l	0.00016	0.05	13	0.00029	0.0042	0	
Barium	mg/l	0.00026	N/A	13	0.0056	0.07	0	
Beryllium	mg/l	0.0001	N/A	13	<0.0001	<0.0001	0	
Boron	mg/l	0.012	2	13	0.019	0.1	0	
Cadmium	mg/l	0.00003	0.00008	13	0.00003	<0.00003	0	
Chromium	mg/l	0.00025	See Cr VI as first pass	13	<0.00025	0.00093	0	
Chromium Total	mg/l	0.00025	See Cr VI as first pass	13	0	0	0	
Chromium Hexavalent	mg/l	0.007	0.0034	13	<0.007	<0.007	0	
Copper	mg/l	0.0004	0.001	13	<0.0004	0.0059	9	1702407, ATK_TP_001_0060, 0.6m, 19/06/2020; 1702408, ATK_TP_004_0140, 1.4m, 18/06/2020; 1702409, ATK_TP_004_0280, 2.8m, 18/06/2020; 1702410, ATK_TP_007_0090, 0.9m, 16/06/2020; 1702411, ATK_TP_007_0280, 2.8m, 16/06/2020; 1702412, ATK_TP_009_0050, 0.5m, 17/06/2020; 1702413, ATK_TP_009_0150, 1.5m, n/s; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020; 1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020
Iron	mg/l	0.0055	1	13	0.013	1.7	1	1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020
Lead	mg/l	0.00009	0.0012	13	0.00009	0.0042	1	1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020
Magnesium	mg/l	0.02	N/A	13	0.92	14	0	
Manganese	mg/l	0.00022	0.123	13	0.0062	0.89	2	1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m, 14/04/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020
Mercury	mg/l	0.00001	0.00007	13	<0.00001	0.00006	0	
Molybdenum	mg/l	0.0011	N/A	13	<0.0011	0.0027	0	
Nickel	mg/l	0.0005	0.004	13	0.0005	0.0026	0	
Vanadium	mg/l	0.0006	0.02	13	0.0006	0.0072	0	
Zinc	mg/l	0.0013	0.0139	13	<0.0013	0.016	1	1702412, ATK_TP_009_0050, 0.5m, 17/06/2020
Inorganics								
pH	pH		6-9	13	6.8	8.3	0	
Cyanide, Total	mg/l	0.04	N/A	13	<0.04	2.2	0	
Ammoniacal Nitrogen as N	mg/l	0.015	0.2	13	<0.015	1.6	2	1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020
Chloride	mg/l	0.1	250	13	1.9	9.9	0	
Sulphate as SO4	mg/l	0.1	400	13	5.2	180	0	
Petroleum Hydrocarbons								
Aliphatic C5-C6	mg/l	0.0001	0.01	13	<0.0001	<0.001	0	
Aliphatic C6-C8	mg/l	0.0001	0.01	13	<0.0001	<0.001	0	
Aliphatic C8-C10	mg/l	0.0001	0.01	13	<0.0001	0.82	1	1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aliphatic C10-C12	mg/l	0.001	0.01	13	<0.001	<0.001	0	
Aliphatic C12-C16	mg/l	0.001	0.01	13	<0.001	<0.001	0	
Aliphatic C16-C21	mg/l	0.001	0.01	13	<0.001	<0.001	0	
Aliphatic C21-C35	mg/l	0.001	0.01	13	<0.001	<0.001	0	
Aliphatic C5-C35	mg/l	0.01	No WSV	13	<0.01	0.82	0	
Aromatic C5-C7	mg/l	0.0001	0.01	13	<0.0001	<0.001	0	
Aromatic C7-C8	mg/l	0.0001	0.01	13	<0.0001	<0.001	0	
Aromatic C8-C10	mg/l	0.0001	0.01	13	<0.0001	<0.001	0	
Aromatic C10-C12	mg/l	0.001	0.01	13	<0.001	3.4	2	1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aromatic C12-C16	mg/l	0.001	0.01	13	<0.001	3.5	3	1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aromatic C16-C21	mg/l	0.001	0.01	13	<0.001	0.61	3	1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aromatic C21-C35	mg/l	0.001	0.01	13	<0.001	0.18	2	1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Aromatic C5-C35	mg/l	0.01	No WSV	13	<0.01	7.7	0	
TPH Ali/Aro Total	mg/l	0.01	No WSV	13	<0.01	8.5	0	
EPH (C10-C40)	mg/l	0.01	No WSV	13	9.3	9.3	0	
PAHs								
Naphthalene	mg/l	0.00005	0.002	13	0.00005	11	5	1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m, 14/04/2020; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Acenaphthylene	mg/l	0.00001	Screen BaP only	13	<0.00001	0.19	0	
Acenaphthene	mg/l	0.00001	Screen BaP only	13	0.00001	1.1	0	
Fluorene	mg/l	0.00001	N/A	13	0.00001	0.38	0	
Phenanthrene	mg/l	0.00001	Screen BaP only	13	0.00005	0.36	0	
Anthracene	mg/l	0.00001	0.0001	13	<0.00001	0.057	10	1702407, ATK_TP_001_0060, 0.6m, 19/06/2020; 1702410, ATK_TP_007_0090, 0.9m, 16/06/2020; 1702411, ATK_TP_007_0280, 2.8m, 16/06/2020; 1702412, ATK_TP_009_0050, 0.5m, 17/06/2020; 1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m, 14/04/2020; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020; 1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Fluoranthene	mg/l	0.00001	0.0000063	13	0.00007	0.066	13	1702407, ATK_TP_001_0060, 0.6m, 19/06/2020; 1702408, ATK_TP_004_0140, 1.4m, 18/06/2020; 1702409, ATK_TP_004_0280, 2.8m, 18/06/2020; 1702410, ATK_TP_007_0090, 0.9m, 16/06/2020; 1702411, ATK_TP_007_0280, 2.8m, 16/06/2020; 1702412, ATK_TP_009_0050, 0.5m, 17/06/2020; 1702413, ATK_TP_009_0150, 1.5m, n/s; 1665997, PRAIRIE_AUK_TP163_SO_0120, 1.2m, 14/04/2020; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665614, PRAIRIE_AUK_TP179_SO_0140, 1.4m, 04/09/2020; 1665615, PRAIRIE_AUK_TP179_SO_0200, 2m, 04/09/2020; 1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Pyrene	mg/l	0.00001	N/A	13	0.00006	0.041	0	
Benzo(a)anthracene	mg/l	0.00001	Screen BaP only	13	0.00004	0.024	0	
Chrysene	mg/l	0.00001	Screen BaP only	13	0.00004	0.02	0	
Benzo(b)fluoranthene	mg/l	0.00001	Screen BaP only	13	0.00006	0.027	0	
Benzo(k)fluoranthene	mg/l	0.00001	Screen BaP only	13	0.00002	0.0097	0	
Benzo(a)pyrene	mg/l	0.00001	0.00000017	13	0.00003	0.019	10	1702407, ATK_TP_001_0060, 0.6m, 19/06/2020; 1702408, ATK_TP_004_0140, 1.4m, 18/06/2020; 1702409, ATK_TP_004_0280, 2.8m, 18/06/2020; 1702410, ATK_TP_007_0090, 0.9m, 16/06/2020; 1702411, ATK_TP_007_0280, 2.8m, 16/06/2020; 1702412, ATK_TP_009_0050, 0.5m, 17/06/2020; 1702413, ATK_TP_009_0150, 1.5m, n/s; 1665143, PRAIRIE_AUK_TP175_SO_0080, 0.8m, 04/06/2020; 1665616, PRAIRIE_AUK_TP181_SO_0060, 0.6m, 04/09/2020; 1665617, PRAIRIE_AUK_TP182_SO_0090, 0.9m, 04/09/2020
Indeno(1,2,3-c,d)pyrene	mg/l	0.00001	Screen BaP only	13	0.00003	0.015	0	
Dibenzo(a,h)anthracene	mg/l	0.00001	N/A	13	<0.00001	0.003	0	
Benzo(g,h,i)perylene	mg/l	0.00001	Screen BaP only	13	0.00003	0.0095	0	
PAH Total	mg/l	0.0002	No WSV	13	0.00051	13	0	
Phenols								
Phenol - Monohydric	mg/l	0.1	No WSV	13	<0.1	<0.1	0	

Location	1702407	1702408	1702409	1702410	1702411	1702412	1702413	1665997	1665143	1665614	1665615	1665616	1665617
Sample ID	ATK_TP_001_0060	ATK_TP_004_0140	ATK_TP_004_0280	ATK_TP_007_0090	ATK_TP_007_0280	ATK_TP_009_0050	ATK_TP_009_0150	PRAIRIE_AUK_TP163_SO_0120	PRAIRIE_AUK_TP175_SO_0080	PRAIRIE_AUK_TP179_SO_0140	PRAIRIE_AUK_TP179_SO_0200	PRAIRIE_AUK_TP181_SO_0060	PRAIRIE_AUK_TP182_SO_0090
Depth	0.6m	1.4m	2.8m	0.9m	2.8m	0.5m	1.5m	1.2m	0.8m	1.4m	2m	0.6m	0.9m
Date	19/06/2020	18/06/2020	18/06/2020	16/06/2020	16/06/2020	17/06/2020	n/s	14/04/2020	06/04/2020	09/04/2020	09/04/2020	09/04/2020	09/04/2020
Strata													
Zone													
Antimony	<0.00017	<0.00017	<0.00017	0.00029	<0.00017	0.0006	<0.00017	0.00033	0.00032	0.00018	<0.00017	0.00047	0.00033
Arsenic	0.00064	0.00067	0.00038	0.0025	0.00037	0.0018	0.00029	0.0016	0.00088	0.0019	0.00089	0.0042	0.0036
Barium	0.012	0.0082	0.0057	0.023	0.012	0.044	0.025	0.032	0.0079	0.07	0.006	0.0056	0.0065
Beryllium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Boron	0.024	0.031	0.019	0.059	0.02	0.037	0.02	0.05	0.047	0.091	0.1	0.021	0.073
Cadmium	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	0.00003	<0.00003	<0.00003	<0.00003	<0.00003
Chromium	0.0003	<0.00025	<0.00025	0.00041	<0.00025	<0.00025	<0.00025	<0.00025	0.00042	<0.00025	0.00079	0.00093	0.00057
Chromium Total													
Chromium Hexavalent	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
Copper	0.0034	0.0041	0.0015	0.0055	0.0025	0.0059	0.0033	0.0006	0.001	0.001	0.0027	0.0056	<0.0004
Iron	0.062	0.013	0.018	0.019	0.079	0.14	0.039	0.86	0.021	0.08	1.7	0.094	0.48
Lead	0.00056	0.00011	<0.00009	0.00034	0.00013	0.00026	0.00015	<0.00009	0.00045	<0.00009	0.0012	0.0042	0.00009
Magnesium	1.8	0.92	1.4	3.9	2	2.9	1.7	4.5	2.1	14	1.9	1.7	3.3
Manganese	0.0079	0.014	0.015	0.018	0.044	0.05	0.017	0.4	0.052	0.89	0.028	0.0062	0.086
Mercury	0.00006	<0.00001	<0.00001	<0.00001	<0.00001	0.00002	<0.00001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001	<0.00001
Molybdenum	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0015	0.0025	0.002	0.0013	0.0012	0.0027
Nickel	<0.0005	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0021	<0.0005	0.0026	0.0011	0.0005	0.0025
Vanadium	<0.0006	0.0029	0.0011	0.0072	<0.0006	0.0037	<0.0006	<0.0006	0.0006	0.0006	0.0013	0.0024	<0.0006
Zinc	0.0076	0.004	0.0073	0.0054	0.0025	0.016	0.0071	0.0028	0.0016	0.0053	0.0033	0.002	<0.0013
Inorganics													
pH	8.1	6.8	6.8	7.2	7.2	6.8	7.1	8.1	8.2	7.1	7.5	8.3	7.6
Cyanide, Total	<0.04	<0.04	<0.04	<0.04	<0.04	0.3	<0.04	2.2	<0.04	0.067	0.041	0.046	1.1
Ammoniacal Nitrogen as N	<0.015	<0.015	<0.015	<0.015	0.18	0.03	<0.015	<0.015	1.6	0.2	1.2	0.022	0.071
Chloride	2.4	1.9	3.2	2.2	9.9	2.2	3.9	2.6	6.5	4.5	2.1	5.7	3
Sulphate as SO4	21	22	18	46	12	130	5.2	64	11	37	180	27	18
Petroleum Hydrocarbons													
Aliphatic C5-C6	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aliphatic C6-C8	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aliphatic C8-C10	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	0.82
Aliphatic C10-C12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C12-C16	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C16-C21	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C21-C35	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aliphatic C5-C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.82
Aromatic C5-C7	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aromatic C7-C8	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aromatic C8-C10	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Aromatic C10-C12	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.48	<0.001	<0.001	3.4
Aromatic C12-C16	<0.001	<0.001	0.0017	<0.001	<0.001	<0.001	<0.001	<0.001	0.11	0.37	<0.001	<0.001	3.5
Aromatic C16-C21	<0.001	<0.001	0.0014	<0.001	<0.001	<0.001	<0.001	<0.001	0.022	0.018	<0.001	<0.001	0.61
Aromatic C21-C35	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.013	<0.001	<0.001	0.18
Aromatic C5-C35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.88	<0.01	<0.01	7.7
TPH Ali/Aro Total	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.88	<0.01	<0.01	8.5
EPH (C10-C40)									9.3				
PAHs													
Naphthalene	0.00015	<0.00005	<0.00005	0.00005	0.00016	0.00007	0.00014	0.0032	0.89	2.3	0.05	0.0017	11
Acenaphthylene	0.00013	0.00002	<0.00001	0.00006	0.00002	0.00004	<0.00001	0.03	0.086	0.032	0.0034	0.009	0.19
Acenaphthene	0.00009	0.00002	0.00001	0.00016	0.00064	0.00005	0.00003	0.65	0.91	0.49	0.047	0.0033	1.1
Fluorene	0.00007	0.00002	<0.00001	0.00005	0.00038	0.00004	0.00001	0.12	0.38	0.078	0.0075	0.0019	0.29
Phenanthrene	0.0016	0.00012	0.00005	0.00039	0.00029	0.00021	0.00013	0.0057	0.36	0.016	0.0021	0.0042	0.17
Anthracene	0.0004	0.00005	<0.00001	0.00015	0.00016	0.00015	0.00002	0.011	0.057	0.0012	0.00051	0.0033	0.035
Fluoranthene	0.007	0.00018	0.00007	0.0026	0.001	0.00098	0.00018	0.011	0.066	0.0012	0.00041	0.0043	0.024
Pyrene	0.0076	0.00016	0.00006	0.0027	0.00074	0.00091	0.00017	0.0067	0.041	<0.001	0.00025	0.0044	0.014
Benzo(a)anthracene	0.0068	0.0001	0.00004	0.00083	0.00038	0.00068	0.00011	0.0014	0.024	<0.001	<0.0001	0.0021	0.0028
Chrysene	0.0033	0.00021	0.00004	0.00087	0.00046	0.00061	0.00012	0.0015	0.02	<0.001	<0.0001	0.0039	0.0031
Benzo(b)fluoranthene	0.0054	0.00017	0.00006	0.0018	0.00066	0.0011	0.00019	0.0016	0.027	<0.001	<0.0001	0.0081	0.0024
Benzo(k)fluoranthene	0.0017	0.00007	0.00002	0.00064	0.00024	0.00038	0.00007	<0.001	0.0097	<0.001	<0.0001	0.0028	0.0011
Benzo(a)pyrene	0.0046	0.0001	0.00003	0.0036	0.00053	0.00079	0.00013	<0.001	0.019	<0.001	<0.0001	0.0044	0.0013
Indeno(1,2,3-c,d)pyrene	0.0042	0.0001	0.00003	0.0013	0.00026	0.00095	0.00011	<0.001	0.015	<0.001	<0.0001	0.0071	<0.001
Dibenzo(a,h)anthracene	0.0011	0.00002	<0.00001	0.00021	0.00006	0.00019	0.00002	<0.001	0.003	<0.001	<0.0001	0.0017	<0.001
Benzo(g,h,i)perylene	0.0047	0.00011	0.00003	0.001	0.00033	0.00098	0.00013	<0.001	0.0095	<0.001	<0.0001	0.008	<0.001
PAH Total	0.049	0.0015	0.00051	0.016	0.0063	0.0081	0.0016	0.84	2.9	2.9	0.11	0.07	13
Phenols													
Phenol - Monohydric	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Assessment Criteria : *Commercial - 1% SOM Sand*

☐ **Use MRL Values?**

Constituent	Unit	Limit of Detection	Generic Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedances	Locations of Exceedances
Asbestos Quantification	%	0.001	No SSV	13	<0.001	0.009	4	1666614, PRAIRIE_AUK_TP150_SO_0150, 1.5m; 1666615, PRAIRIE_AUK_TP159_SO_0060, 0.6m; 1665992, PRAIRIE_AUK_TP156A_SO_0030, 0.3m; 1688424, ATK_TP_001_0060, 0.6m
Metals			No SSV	0	-	-	0	
Aluminium	mg/kg	1	No SSV	21	6100	53000	0	
Antimony	mg/kg	1	4650	21	<1	18	0	
Arsenic	mg/kg	0.2	635	26	6.1	2100	2	1665993, PRAIRIE_AUK_TP162_SO_0170, 1.7m; 1688428, ATK_TP_011_0090, 0.9m
Barium	mg/kg	1.5	22000	21	40	1100	0	
Beryllium	mg/kg	0.2	14	21	0.4	7	0	
Boron, Water Soluble	mg/kg	0.2	No SSV	26	0.5	4.2	0	
Cadmium	mg/kg	0.1	410	26	<0.1	3.7	0	
Chromium	mg/kg	0.15	208000	26	12	200	0	
Chromium, Hexavalent	mg/kg	1	49.1	21	<1	<1	0	
Copper	mg/kg	0.2	106000	26	11	320	0	
Iron	mg/kg	25	No SSV	21	6800	360000	0	
Lead	mg/kg	0.3	2310	26	9.3	870	0	
Magnesium	mg/kg	1	No SSV	21	1700	17000	0	
Manganese	mg/kg	20	No SSV	21	210	99000	0	
Mercury	mg/kg	0.05	No SSV	26	<0.05	6	0	
Molybdenum	mg/kg	0.4	17600	21	<0.4	73	0	
Nickel	mg/kg	1	1770	26	2.5	160	0	
Silicon	mg/kg	10	No SSV	21	14000	230000	0	
Vanadium	mg/kg	0.8	7490	21	27	700	0	
Zinc	mg/kg	1	1100000	26	39	830	0	
Inorganics			No SSV	0	-	-	0	
Loss on Ignition at 440oC	%	0.01	No SSV	0	-	-	0	
pH	pH		No SSV	26	6.6	12	0	
Calorific Value	MJ/kg	1	No SSV	0	-	-	0	
Cyanide, Total	mg/kg	0.1	No SSV	26	<0.1	3300	0	
Cyanide, Free	mg/kg	0.1	373	26	<0.1	4.5	0	
Thiocyanate	mg/kg	0.6	No SSV	26	<0.6	69	0	
Organic matter	%	0.1	No SSV	27	0.4	12	0	
Sulphate Aqueous Extract as SO4	mg/l	10	No SSV	26	19	1900	0	
Sulphur (free)	mg/kg	0.75	No SSV	26	<0.75	60	0	
Petroleum Hydrocarbons			No SSV	0	-	-	0	
TPH aliphatic C5-C6	mg/kg	0.01	4490	26	<0.01	<0.01	0	
TPH aliphatic C6-C8	mg/kg	0.01	10400	26	<0.01	0.01	0	
TPH aliphatic C8-C10	mg/kg	0.01	1370	26	<0.01	0.25	0	
TPH aliphatic C10-C12	mg/kg	1.5	7900	26	<1.5	7.3	0	
TPH aliphatic C12-C16	mg/kg	1.2	34000	26	<1.2	42	0	
Aliphatic C16-C21	mg/kg	1.5	3620000	26	<1.5	49	0	
Aliphatic C21-C35	mg/kg	3.4	No SSV	26	<3.4	17	0	
Aliphatic C5-C35	mg/kg	10	No SSV	26	<10	100	0	
TPH aromatic C5-C7 (Benzene)	mg/kg	0.01	12.5	26	<0.01	0.04	0	
TPH aromatic C7-C8 (Toluene)	mg/kg	0.01	27900	26	<0.01	0.31	0	
TPH aromatic C8-C10	mg/kg	0.01	2210	26	<0.01	13	0	
TPH aromatic C10-C12	mg/kg	0.9	12300	26	<0.9	1700	0	
TPH aromatic C12-C16	mg/kg	0.5	41300	26	<0.5	2500	0	
TPH aromatic C16-C21	mg/kg	0.6	28400	26	<0.6	370	0	
TPH aromatic C21-C35	mg/kg	1.4	28400	26	<1.4	82	0	
Aromatic C5-C35	mg/kg	10	No SSV	26	<10	4600	0	
TPH Ali/Aro Total	mg/kg	10	No SSV	26	<10	4700	0	
EPH (C10-C40)	mg/kg	10	No SSV	4	<10	130	0	
PAHs			No SSV	0	-	-	0	
Naphthalene	mg/kg	0.03	90.1	26	<0.03	3500	2	1665610, PRAIRIE_AUK_TP179_SO_0140, 1.4m; 1665613, PRAIRIE_AUK_TP182_SO_0090, 0.9m
Acenaphthylene	mg/kg	0.03	No SSV	26	<0.03	1300	0	
Acenaphthene	mg/kg	0.03	83600	26	<0.03	1300	0	
Fluorene	mg/kg	0.03	66500	26	<0.03	730	0	
Phenanthrene	mg/kg	0.03	No SSV	26	<0.03	500	0	
Anthracene	mg/kg	0.03	535000	26	<0.03	130	0	
Fluoranthene	mg/kg	0.03	72200	26	<0.03	120	0	
Pyrene	mg/kg	0.03	54100	26	<0.03	80	0	
Benzo(a)anthracene	mg/kg	0.03	BaP Surrogate	26	<0.03	6.9	0	
Chrysene	mg/kg	0.03	BaP Surrogate	26	<0.03	5.2	0	
Benzo(b)fluoranthene	mg/kg	0.03	BaP Surrogate	26	<0.03	6.8	0	
Benzo(k)fluoranthene	mg/kg	0.03	BaP Surrogate	26	<0.03	2.5	0	
Benzo(a)pyrene	mg/kg	0.03	76.3	26	<0.03	4.8	0	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.03	BaP Surrogate	26	<0.03	2.8	0	
Dibenzo(a,h)anthracene	mg/kg	0.03	BaP Surrogate	26	<0.03	0.72	0	
Benzo(g,h,i)perylene	mg/kg	0.03	BaP Surrogate	26	<0.03	2.8	0	
PAH - USEPA 16, Total	mg/kg	0.1	No SSV	26	<0.1	7700	0	
PCBs			0.184	0	-	-	0	
PCB 28 + PCB 31	mg/kg	0.01	No SSV	1	<0.01	<0.01	0	
PCB 52	mg/kg	0.01	No SSV	1	<0.01	<0.01	0	
PCB 101	mg/kg	0.01	No SSV	1	<0.01	<0.01	0	
PCB 118	mg/kg	0.01	No SSV	1	<0.01	<0.01	0	
PCB 153	mg/kg	0.01	No SSV	1	<0.01	<0.01	0	
PCB 138	mg/kg	0.01	No SSV	1	<0.01	<0.01	0	
PCB 180	mg/kg	0.01	No SSV	1	<0.01	<0.01	0	
PCB 7 Total	mg/kg	0.01	No SSV	1	<0.01	<0.01	0	
Phenols			No SSV	0	-	-	0	
Phenol - Monohydric	mg/kg	0.3	685	26	<0.3	9	0	
VOCs			No SSV	0	-	-	0	
Vinyl Chloride	mg/kg	0.01	0.0309	4	<0.01	<0.1	0	
1,1 Dichloroethylene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Trans-1,2-dichloroethylene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
1,1-dichloroethane	mg/kg	0.01	115	4	<0.01	<0.1	0	
Cis-1,2-dichloroethylene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
2,2-dichloropropane	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Bromochloromethane	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Chloroform	mg/kg	0.01	45.2	4	<0.01	<0.1	0	
1,1,1-trichloroethane	mg/kg	0.01	306	4	<0.01	<0.1	0	
1,1-dichloropropene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Carbon tetrachloride	mg/kg	0.01	14.8	4	<0.01	<0.1	0	
Benzene	mg/kg	0.01	12.5	4	<0.01	2.9	0	
1,2-dichloroethane	mg/kg	0.01	0.854	4	<0.01	0.14	0	
Trichloroethylene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
1,2-dichloropropane	mg/kg	0.01	1.34	4	<0.01	<0.1	0	
Dibromomethane	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Bromodichloromethane	mg/kg	0.01	0.854	4	<0.01	<0.1	0	
cis-1,3-dichloropropene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Toluene	mg/kg	0.01	27900	4	<0.01	5	0	
trans-1,3-dichloropropene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
1,1,2-trichloroethane	mg/kg	0.01	40.1	4	<0.01	<0.1	0	
Tetrachloroethylene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
1,3-dichloropropane	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Dibromochloromethane	mg/kg	0.01	9.27	4	<0.01	<0.1	0	
1,2-dibromoethane	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Chlorobenzene	mg/kg	0.01	502	4	<0.01	<0.1	0	
1,1,1,2-tetrachloroethane	mg/kg	0.01	204	4	<0.01	<0.1	0	
Ethylbenzene	mg/kg	0.01	7660	4	<0.01	2.3	0	
m+p-Xylene	mg/kg	0.01	No SSV	4	<0.01	17	0	
o-Xylene	mg/kg	0.01	3030	4	<0.01	8.1	0	
Styrene	mg/kg	0.01	9670	4	<0.01	5.1	0	
Bromoform	mg/kg	0.01	327	4	<0.01	<0.1	0	
Isopropylbenzene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Bromobenzene	mg/kg	0.01	42.1	4	<0.01	<0.1	0	
1,2,3-trichloropropane	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
n-propylbenzene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
2-chlorotoluene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
1,3,5-trimethylbenzene	mg/kg	0.01	No SSV	4	<0.01	7	0	
4-chlorotoluene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
Tert-butylbenzene	mg/kg	0.01	No SSV	4	<0.01	2.9	0	
1,2,4-trimethylbenzene	mg/kg	0.01	165	4	<0.01	10	0	
sec-butylbenzene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	
p-isopropyltoluene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0	

Location	1665452	1665453	1665454	1666614	1666615	1665992	1665993	1667238	1665995	1668557	1668558	1665590	1665591
Sample ID	AUK_TP149_	AUK_TP168_	AUK_TP173_	AUK_TP150_	AUK_TP159_	AUK_TP156A	AUK_TP162_	AUK_TP157_	AUK_TP163_	AUK_TP164_	AUK_TP164	AUK_TP174	AUK_TP174
Depth	1.3m	0.05m	0.9m	1.5m	0.6m	0.3m	1.7m	0.8m	1.2m	0.7m	1.3m	0.8m	1.6m
Date	09/04/2020	09/04/2020	09/04/2020	16/04/2020	16/04/2020	14/04/2020	14/04/2020	17/04/2020	14/04/2020	16/04/2020	########	########	########
Strata													
Zone													
Asbestos Quantification	<0.001	<0.001	<0.001	0.009	0.002	0.001		<0.001	<0.001				
Metals													
Aluminium	8600	19000	21000	7700	15000	26000	16000	9600	53000	6100	6300	9200	12000
Antimony	2.5	3.9	6.1	7.6	<1	6.5	18	4.3	<1	1.2	1.3	5.6	<1
Arsenic	37	44	78	30	6.1	31	2100	10	12	9.6	11	58	6.2
Barium	1100	210	210	400	340	540	320	200	170	40	51	250	84
Beryllium	1.1	2.1	2.5	0.8	3.2	2.6	2.3	1	7	0.4	0.6	0.9	0.6
Boron, Water Soluble	2.5	1.5	3.1	1.9	2	2.5	2.2	3.5	1.5	0.5	0.7	1.4	1.2
Cadmium	0.7	0.6	0.5	1.3	0.1	0.7	1.7	0.8	0.1	<0.1	0.1	0.3	<0.1
Chromium	33	61	93	75	53	170	100	200	12	27	32	81	20
Chromium, Hexavalent	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper	110	78	320	130	14	110	190	40	40	11	22	120	17
Iron	48000	91000	150000	180000	18000	140000	360000	61000	6800	26000	30000	120000	32000
Lead	180	93	70	420	13	110	870	140	15	9.3	14	110	23
Magnesium	8000	10000	7700	8200	12000	17000	3500	14000	16000	1700	2000	8600	2300
Manganese	2000	2100	4100	2400	4600	6100	2800	12000	1200	210	390	99000	370
Mercury	1.4	0.15	0.09	2.6	0.13	0.69	0.73	2.2	0.07	<0.05	<0.05	0.33	0.06
Molybdenum	2.6	2.1	5.6	5.8	0.7	2.2	73	2.6	0.5	<0.4	0.5	18	0.6
Nickel	27	38	86	54	5.8	40	160	11	2.5	14	17	78	11
Silicon	46000	62000	48000	53000	59000	43000	53000	70000	63000	230000	220000	36000	190000
Vanadium	90	200	230	110	160	700	310	410	41	51	76	67	27
Zinc	350	330	380	830	65	310	630	470	39	41	59	160	58
Inorganics													
Loss on Ignition at 440oC													
pH	10.3	9	8.7	10.1	10.7	10.6	8.2	12	10.4	8.6	8.2	8.4	7.2
Calorific Value													
Cyanide, Total	11	0.6	120	8.2	0.9	12	3.6	25	1300	12	0.1	5.5	1
Cyanide, Free	<0.1	<0.1	0.2	0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	0.1	<0.1
Thiocyanate	<0.6	<0.6	1.8	<0.6	1.5	<0.6	<0.6	1.5	8.9	0.9	<0.6	1.3	1.2
Organic matter	2.8	12	8.6	2.1	2	3.2	3.4	2.4	1.1	0.4	1.5	2.4	0.7
Sulphate Aqueous Extract as SO4	290	77	540	350	550	280	110	65	480	19	30	110	190
Sulphur (free)	1.5	<0.75	2.4	3.5	12	1.2	<0.75	1.9	<0.75	<0.75	<0.75	<0.75	6.8
Petroleum Hydrocarbons													
TPH aliphatic C5-C6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH aliphatic C6-C8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH aliphatic C8-C10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH aliphatic C10-C12	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
TPH aliphatic C12-C16	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Aliphatic C16-C21	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Aliphatic C21-C35	12	7.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
Aliphatic C5-C35	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
TPH aromatic C5-C7 (Benzene)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH aromatic C7-C8 (Toluene)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH aromatic C8-C10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.35	<0.01	<0.01	<0.01	<0.01
TPH aromatic C10-C12	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	4.2	<0.9	1.7	<0.9	<0.9	<0.9	<0.9
TPH aromatic C12-C16	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.1	0.6	96	<0.5	<0.5	<0.5	<0.5
TPH aromatic C16-C21	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	0.7	6.3	40	<0.6	<0.6	<0.6	<0.6
TPH aromatic C21-C35	<1.4	<1.4	<1.4	<1.4	18	<1.4	<1.4	22	7.1	<1.4	<1.4	<1.4	<1.4
Aromatic C5-C35	<10	<10	<10	<10	18	<10	10	29	150	<10	<10	<10	<10
TPH Ali/Aro Total	13	<10	<10	<10	18	<10	10	29	150	<10	<10	<10	<10
EPH (C10-C40)	96	<10	<10										
PAHs													
Naphthalene	<0.03	0.06	2	0.53	0.2	0.05	<0.03	0.16	0.85	<0.03	<0.03	0.11	<0.03
Acenaphthylene	<0.03	<0.03	0.09	0.07	0.08	0.03	<0.03	<0.03	4.1	<0.03	<0.03	0.27	<0.03
Acenaphthene	<0.03	0.05	0.57	0.67	0.23	<0.03	<0.03	0.27	20	<0.03	<0.03	0.17	<0.03
Fluorene	0.03	0.03	0.2	0.49	0.16	0.03	<0.03	0.05	11	<0.03	<0.03	0.23	<0.03
Phenanthrene	0.35	0.28	0.37	1.6	0.27	0.63	<0.03	0.49	7.8	<0.03	<0.03	1.7	<0.03
Anthracene	0.06	0.04	0.05	0.34	0.1	0.17	<0.03	0.04	11	<0.03	<0.03	0.43	<0.03
Fluoranthene	0.87	0.43	0.3	2.1	1.1	3	0.03	0.72	11	<0.03	<0.03	3.2	0.05
Pyrene	0.7	0.37	0.23	1.7	1.6	3	0.03	0.63	7.5	<0.03	<0.03	2.6	0.04
Benzo(a)anthracene	0.36	0.18	0.09	0.5	0.39	1.6	0.03	0.54	1.6	<0.03	<0.03	0.96	0.03
Chrysene	0.35	0.25	0.14	0.68	0.73	1.3	<0.03	0.72	1.4	<0.03	<0.03	0.93	<0.03
Benzo(b)fluoranthene	0.32	0.24	0.11	0.67	1.5	2	<0.03	0.64	0.7	<0.03	<0.03	0.92	<0.03
Benzo(k)fluoranthene	0.14	0.1	0.05	0.28	0.7	0.79	<0.03	0.26	0.3	<0.03	<0.03	0.39	<0.03
Benzo(a)pyrene	0.18	0.12	0.05	0.36	0.77	1.2	<0.03	0.29	0.53	<0.03	<0.03	0.6	<0.03
Indeno(1,2,3-c,d)pyrene	0.09	0.08	0.04	0.2	0.49	0.58	<0.03	0.14	0.13	<0.03	<0.03	0.3	<0.03
Dibenzo(a,h)anthracene	0.03	<0.03	<0.03	0.06	0.14	0.15	<0.03	0.03	0.04	<0.03	<0.03	0.09	<0.03
Benzo(g,h,i)perylene	0.09	0.09	0.04	0.24	0.59	0.77	<0.03	0.15	0.14	<0.03	<0.03	0.35	<0.03
PAH - USEPA 16, Total	3.5	2.3	4.3	10	9	15	<0.1	5.1	78	<0.1	<0.1	13	<0.1
PCBs													
PCB 28 + PCB 31								<0.01					
PCB 52								<0.01					
PCB 101								<0.01					
PCB 118								<0.01					
PCB 153								<0.01					
PCB 138								<0.01					
PCB 180								<0.01					
PCB 7 Total								<0.01					
Phenols													
Phenol - Monohydric	<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.1	<0.3	<0.3	<0.3	<0.3
VOCs													
Vinyl Chloride									<0.01				
1,1 Dichloroethylene									<0.01				
Trans-1,2-dichloroethylene									<0.01				
1,1-dichloroethane									<0.01				
Cis-1,2-dichloroethylene									<0.01				
2,2-dichloropropane									<0.01				
Bromochloromethane									<0.01				
Chloroform									<0.01				
1,1,1-trichloroethane									<0.01				
1,1-dichloropropene									<0.01				
Carbon tetrachloride									<0.01				
Benzene									<0.01				
1,2-dichloroethane									<0.01				
Trichloroethylene									<0.01				
1,2-dichloropropane									<0.01				
Dibromomethane									<0.01				
Bromodichloromethane									<0.01				
cis-1,3-dichloropropene									<0.01				
Toluene									<0.01				
trans-1,3-dichloropropene									<0.01				
1,1,2-trichloroethane									<0.01				
Tetrachloroethylene									<0.01				
1,3-dichloropropane									<0.01				
Dibromochloromethane									<0.01				
1,2-dibromoethane									<0.01				
Chlorobenzene									<0.01				
1,1,1,2-tetrachloroethane									<0.01				
Ethylbenzene									<0.01				
m+p-Xylene									<0.01				
o-Xylene									<0.01				
Styrene									<0.01				
Bromoform									<0.01				
Isopropylbenzene									<0.01				
Bromobenzene									<0.01				
1,2,3-trichloropropane									<0.01				
n-propylbenzene									<0.01				
2-chlorotoluene									<0.01				
1,3,5-trimethylbenzene									<0.01				
4-chlorotoluene									<0.01				
Tert-butylbenzene									<0.01				
1,2,4-trimethylbenzene									<0.01				
sec-butylbenzene									<0.01				
p-isopropyltoluene									<0.01				

Location	1665592	1665593	1665594	1665610	1665611	1665612	1665613	1688424	1688425	1688426	1688427	1688428	1665293	
Sample ID	AUK_TP176	AUK_TP177	AUK_TP189	AUK_TP179	AUK_TP179	AUK_TP181	AUK_TP182	_TP_001_C	_TP_003_C	_TP_007_C	_TP_009_C	_TP_011_0	AUK_TP186_SO_0050	
Depth	0.9m	0.6m	3m	1.4m	2m	0.6m	0.9m	0.6m	1m	0.9m	0.5m	0.9m	0.5m	
Date	########	########	########	########	########	########	########	########	########	########	########	########	########	
Strata														
Zone														
Asbestos Quantification								Amosite	NAD	NAD	NAD	NAD		
Metals														
Aluminium	30000	31000	19000	39000	15000	18000	21000						15000	
Antimony	3	2.8	1.3	4.6	1.3	4.7	2.5						4.7	
Arsenic	83	37	9.9	88	9.3	45	33	13	21	14	30	970	150	
Barium	260	120	260	79	190	280	82						340	
Beryllium	3.7	4	1.5	4	1.7	2.5	3						1.4	
Boron, Water Soluble	4.2	2.9	1	2.3	1.5	1.5	2.4	2.7	2.3	2.6	2.6	2.6	1	
Cadmium	0.4	0.2	0.2	0.2	0.1	0.5	0.2	0.6	0.4	0.7	1.4	0.8	3.7	
Chromium	58	110	33	120	29	23	51	90	27	32	92	91	55	
Chromium, Hexavalent	<1	<1	<1	<1	<1	<1	<1						<1	
Copper	80	26	30	32	29	130	23	29	140	63	79	51	100	
Iron	100000	80000	46000	160000	39000	41000	87000						78000	
Lead	61	29	27	27	34	380	23	80	59	250	170	470	68	
Magnesium	13000	11000	13000	11000	4000	6400	7000						8400	
Manganese	1600	1600	830	1200	320	12000	1000						75000	
Mercury	0.08	<0.05	0.08	0.32	0.05	0.1	0.75	2.4	0.12	0.22	6	0.41	0.6	
Molybdenum	3.2	1.2	0.6	2.1	0.5	2.6	0.8						38	
Nickel	65	32	42	98	30	23	28	16	31	17	25	56	46	
Silicon	71000	61000	140000	100000	190000	56000	73000						14000	
Vanadium	190	450	42	360	33	83	150						240	
Zinc	360	260	94	200	99	210	130	230	150	230	570	300	150	
Inorganics														
Loss on Ignition at 440oC														
pH	8.4	8.7	7.9	7.5	7.6	8.6	8	9.7	8.8	10.3	8.8	6.6	10.7	
Calorific Value														
Cyanide, Total	0.2	0.4	<0.1	120	4.8	20	3300	9.9	0.9	0.8	220	0.8	19	
Cyanide, Free	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	4.5	0.3	<0.1	<0.1	2.1	<0.1	0.5	
Thiocyanate	0.8	0.8	<0.6	2.1	<0.6	0.9	69	2.3	<0.6	<0.6	8.3	<0.6	<0.6	
Organic matter	3.2	2.9	0.8	4.4	1.8	6.1	7	3.2	3.5	5.7	2.2	3.5	3	3.457692
Sulphate Aqueous Extract as SO4	170	83	350	900	490	220	650	190	110	410	770	1900	270	
Sulphur (free)	<0.75	<0.75	<0.75	<0.75	<0.75	60	26	<0.75	<0.75	<0.75	22	9.5	2.7	
Petroleum Hydrocarbons														
TPH aliphatic C5-C6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
TPH aliphatic C6-C8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
TPH aliphatic C8-C10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
TPH aliphatic C10-C12	7.3	<1.5	<1.5	<1.5	<1.5	<1.5	6.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	
TPH aliphatic C12-C16	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	42	<1.2	<1.2	<1.2	1.4	<1.2	<1.2	
Aliphatic C16-C21	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	49	<1.5	<1.5	<1.5	4.7	<1.5	<1.5	
Aliphatic C21-C35	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	3.6	<3.4	<3.4	<3.4	17	<3.4	<3.4	
Aliphatic C5-C35	<10	<10	<10	<10	<10	<10	100	<10	<10	<10	24	<10	<10	
TPH aromatic C5-C7 (Benzene)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
TPH aromatic C7-C8 (Toluene)	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	0.31	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
TPH aromatic C8-C10	<0.01	<0.01	<0.01	0.71	<0.01	<0.01	13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
TPH aromatic C10-C12	<0.9	<0.9	<0.9	27	<0.9	<0.9	1700	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	
TPH aromatic C12-C16	<0.5	<0.5	<0.5	150	<0.5	<0.5	2500	0.8	<0.5	0.8	<0.5	<0.5	1.6	
TPH aromatic C16-C21	<0.6	<0.6	<0.6	31	<0.6	<0.6	370	5.4	<0.6	13	5.8	<0.6	5.2	
TPH aromatic C21-C35	<1.4	<1.4	<1.4	9.7	<1.4	<1.4	82	13	<1.4	34	26	<1.4	8.4	
Aromatic C5-C35	<10	<10	<10	220	<10	<10	4600	20	<10	48	32	<10	16	
TPH Ali/Aro Total	<10	<10	<10	220	<10	<10	4700	20	<10	48	56	<10	16	
EPH (C10-C40)													130	
PAHs														
Naphthalene	0.04	<0.03	<0.03	190	2.5	0.27	3500	<0.03	<0.03	0.08	0.05	<0.03	0.61	
Acenaphthylene	<0.03	<0.03	<0.03	13	0.07	0.23	1300	<0.03	<0.03	0.06	<0.03	<0.03	0.59	
Acenaphthene	0.05	<0.03	<0.03	200	1	1.5	1300	<0.03	<0.03	0.12	<0.03	<0.03	0.4	
Fluorene	0.04	<0.03	<0.03	100	0.47	1.1	730	<0.03	<0.03	0.11	0.04	<0.03	0.42	
Phenanthrene	0.17	0.06	<0.03	65	0.33	1.2	500	0.25	0.04	1.5	0.41	<0.03	2.5	
Anthracene	0.06	<0.03	<0.03	18	0.09	0.31	130	0.07	<0.03	0.72	0.11	<0.03	1.3	
Fluoranthene	0.67	0.14	<0.03	12	0.08	0.56	120	1.1	0.05	9.7	1.5	<0.03	6.5	
Pyrene	0.62	0.16	<0.03	8.2	0.05	0.42	80	1.1	0.05	8.9	1.5	<0.03	5.7	
Benzo(a)anthracene	0.1	0.05	<0.03	1.7	<0.03	0.12	6.9	0.58	<0.03	5.2	0.8	<0.03	2.7	
Chrysene	0.15	0.08	<0.03	1.5	<0.03	0.16	5.2	0.52	<0.03	4.2	0.66	<0.03	2.2	
Benzo(b)fluoranthene	0.06	0.05	<0.03	0.74	<0.03	0.13	3.1	0.75	<0.03	6.8	1.3	<0.03	3	
Benzo(k)fluoranthene	<0.03	<0.03	<0.03	0.31	<0.03	0.06	1.6	0.27	<0.03	2.5	0.48	<0.03	1.3	
Benzo(a)pyrene	0.03	<0.03	<0.03	0.59	<0.03	0.07	2.1	0.47	<0.03	4.8	0.78	<0.03	2.1	
Indeno(1,2,3-c,d)pyrene	<0.03	<0.03	<0.03	0.17	<0.03	0.06	0.66	0.33	<0.03	2.8	0.58	<0.03	0.93	
Dibenzo(a,h)anthracene	<0.03	<0.03	<0.03	0.05	<0.03	<0.03	0.2	0.06	<0.03	0.72	0.14	<0.03	0.25	
Benzo(g,h,i)perylene	<0.03	<0.03	<0.03	0.19	<0.03	0.06	0.71	0.33	<0.03	2.8	0.58	<0.03	1.1	
PAH - USEPA 16, Total	2	0.53	<0.1	610	4.6	6.2	7700	5.8	0.14	51	9	<0.1	31	
PCBs														
PCB 28 + PCB 31														
PCB 52														
PCB 101														
PCB 118														
PCB 153														
PCB 138														
PCB 180														
PCB 7 Total														
Phenols														
Phenol - Monohydric	0.8	0.9	<0.3	1.6	0.6	1	9	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
VOCs														
Vinyl Chloride						<0.01	<0.1				<0.01			
1,1 Dichloroethylene						<0.01	<0.1				<0.01			
Trans-1,2-dichloroethylene						<0.01	<0.1				<0.01			
1,1-dichloroethane						<0.01	<0.1				<0.01			
Cis-1,2-dichloroethylene						<0.01	<0.1				<0.01			
2,2-dichloropropane						<0.01	<0.1				<0.01			
Bromochloromethane						<0.01	<0.1				<0.01			
Chloroform						<0.01	<0.1				<0.01			
1,1,1-trichloroethane						<0.01	<0.1				<0.01			
1,1-dichloropropene						<0.01	<0.1				<0.01			
Carbon tetrachloride						<0.01	<0.1				<0.01			
Benzene						<0.01	2.9				<0.01			
1,2-dichloroethane						<0.01	0.14				<0.01			
Trichloroethylene						<0.01	<0.1				<0.01			
1,2-dichloropropane						<0.01	<0.1				<0.01			
Dibromomethane						<0.01	<0.1				<0.01			
Bromodichloromethane						<0.01	<0.1				<0.01			
cis-1,3-dichloropropene						<0.01	<0.1				<0.01			
Toluene						<0.01	5				<0.01			
trans-1,3-dichloropropene						<0.01	<0.1				<0.01			
1,1,2-trichloroethane						<0.01	<0.1				<0.01			
Tetrachloroethylene						<0.01	<0.1				<0.01			
1,3-dichloropropane						<0.01	<0.1				<0.01			
Dibromochloromethane						<0.01	<0.1				<0.01			
1,2-dibromoethane						<0.01	<0.1				<0.01			
Chlorobenzene						<0.01	<0.1				<0.01			
1,1,1,2-tetrachloroethane						<0.01	<0.1				<0.01			
Ethylbenzene						<0.01	2.3				<0.01			
m+p-Xylene						<0.01	17				<0.01			
o-Xylene						<0.01	8.1				<0.01			
Styrene						<0.01	5.1				<0.01			
Bromoform						<0.01	<0.1				<0.01			
Isopropylbenzene						<0.01	<0.1				<0.01			
Bromobenzene						<0.01	<0.1				<0.01			
1,2,3-trichloropropane						<0.01	<0.1				<0.01			
n-propylbenzene						<0.01	<0.1				<0.01			
2-chlorotoluene						<0.01	<0.1				<0.01			
1,3,5-trimethylbenzene						<0.01	7				<0.01			
4-chlorotoluene						<0.01	<0.1				<0.01			
Tert-butylbenzene						<0.01	2.9				<0.01			
1,2,4-trimethylbenzene						0.01	10				<0.01			
sec-butylbenzene						<0.01	<0.1				<0.01			
p-isopropyltoluene						<0.01	<0.1				<0.01			

Assessment Criteria :	Commercial - 1% SOM Sand
Use MRL Values?	

		Limit of Detection	Metric Assessment Criteria	Number of Samples	Minimum Value	Maximum Value	Number of Exceedances		Location	1665452	1665453	1665454	1666614	1666615	1665992	1665993	1667238	1665995	1668557	1668558	1665590	1665591	1665592	1665593	1665594	1665610	1665611	1665612	1665613	1688424	1688425	1688426	1688427	1688428	1665293	
									Sample ID	AUK_TP149	AUK_TP168	AUK_TP173	AUK_TP150	AUK_TP159	AUK_TP156A	AUK_TP162	AUK_TP157	AUK_TP163	AUK_TP164	AUK_TP164	AUK_TP174	AUK_TP174	AUK_TP176	AUK_TP177	AUK_TP188	AUK_TP179	AUK_TP179	AUK_TP181	AUK_TP182	TP_001_C	TP_003_C	TP_007_C	TP_009_C	TP_011_C	AUK_TP186_SO_0050	
									Depth	1.3m	0.05m	0.9m	1.5m	0.6m	0.3m	1.7m	0.8m	1.2m	0.7m	1.3m	0.8m	1.6m	0.9m	0.6m	3m	1.4m	2m	0.6m	0.9m	0.6m	1m	0.9m	0.5m	0.9m	0.5m	
									Date	09/04/2020	09/04/2020	09/04/2020	16/04/2020	16/04/2020	14/04/2020	14/04/2020	17/04/2020	14/04/2020	16/04/2020	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	
									Strata																											
1,3-dichlorobenzene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0											<0.01										<0.01	<0.1				<0.01			
1,4-dichlorobenzene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0											<0.01										<0.01	<0.1				<0.01			
n-butylbenzene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0											<0.01										<0.01	<0.1				<0.01			
1,2-dichlorobenzene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0											<0.01										<0.01	<0.1				<0.01			
1,2-dibromo-3-chloropropane	mg/kg	0.01	No SSV	4	<0.01	<0.1	0											<0.01										<0.01	<0.1				<0.01			
1,2,4-trichlorobenzene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0											<0.01										<0.01	<0.1				<0.01			
Hexachlorobutadiene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0											<0.01										<0.01	<0.1				<0.01			
1,2,3-trichlorobenzene	mg/kg	0.01	No SSV	4	<0.01	<0.1	0											<0.01										<0.01	<0.1				<0.01			
MTBE	mg/kg	0.01	3140	4	<0.01	<0.1	0											<0.01										<0.01	<0.1				<0.01			
SVOCs			No SSV	0	-	-	0																													
Phenol	mg/kg	0.1	685	3	<0.1	<1	0											0.2										<0.1	<1							
Aniline	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2-Chlorophenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Benzyl Alcohol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2-Methylphenol	mg/kg	0.1	155000	3	<0.1	<1	0											<0.1										<0.1	<1							
Bis(2-chloroisopropyl)ether	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
3&4-Methylphenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2,4-Dimethylphenol	mg/kg	0.1	11800	3	<0.1	<1	0											<0.1										<0.1	<1							
Bis-(dichloroethoxy)methane	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2,4-Dichlorophenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
1,2,4-Trichlorobenzene	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
4-Chloro-3-methylphenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2-Methylnaphthalene	mg/kg	0.1	No SSV	3	0.2	1300	0											0.2										0.5	1300							
Hexachlorocyclopentadiene	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2,4,6-Trichlorophenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2,4,5-Trichlorophenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2-Chloronaphthalene	mg/kg	0.1	176	3	<0.1	<1	0											<0.1										<0.1	<1							
2-Nitroaniline	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2,4-Dinitrotoluene	mg/kg	0.1	3730	3	<0.1	<1	0											<0.1										<0.1	<1							
3-Nitroaniline	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
4-Nitrophenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Dibenzofuran	mg/kg	0.1	No SSV	3	0.5	820	0											140										0.5	820							
2,6-Dinitrotoluene	mg/kg	0.1	1840	3	<0.1	<1	0											<0.1										<0.1	<1							
2,3,4,6-Tetrachlorophenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Diethylphthalate	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
4-Chlorophenylphenylether	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
4-Nitroaniline	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2-Methyl-4,6-Dinitrophenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Diphenylamine	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
4-Bromophenylphenylether	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Hexachlorobenzene	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Pentachlorophenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Di-n-butylphthalate	mg/kg	0.1	70800	3	<0.1	<1	0											<0.1										<0.1	<1							
Butylbenzylphthalate	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Bis(2-ethylhexyl)phthalate	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Di-n-octylphthalate	mg/kg	0.1	89000	3	<0.1	<1	0											<0.1										<0.1	<1							
1,4-Dinitrobenzene	mg/kg	0.1	No SSV	3	<0.1	72	0											<0.1										<0.1	72							
Dimethylphthalate	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
1,3-Dinitrobenzene	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
1,2-Dinitrobenzene	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
2,3,5,6-Tetrachlorophenol	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Azobenzene	mg/kg	0.1	No SSV	3	<0.1	<1	0											<0.1										<0.1	<1							
Carbazole	mg/kg	0.1	No SSV	3	<0.1	38	0											0.9										<0.1	38							