

PYRAMID STRUCTURES

SUMMARY OF SOIL ANALYSIS: Residential with Plant Uptake

Contaminant	Units	Exceeding	Max	95% UCL	GAC	Based on
Metals & Inorganics						
Arsenic	mg/kg	0 / 17	27	-	37 ^B	
Boron	mg/kg	0 / 17	1.3	-	530 ^A	
Beryllium	mg/kg	1 / 17	2.9	1.13	1.7 ^A	
Cadmium	mg/kg	0 / 17	0.9	-	22 ^B	
Chromium	mg/kg	0 / 17	32	-	910 ^A	
Chromium - Hexavalent	mg/kg	0 / 17	<1	-	21 ^B	Allotments - S4UL
Copper	mg/kg	0 / 17	140	-	2900 ^A	
Lead	mg/kg	1 / 17	850	188	200 ^B	
Mercury	mg/kg	0 / 17	0.24	-	42 ^A	
Nickel	mg/kg	0 / 17	42	-	140 ^A	
Selenium	mg/kg	0 / 17	<0.5	-	270 ^A	
Vanadium	mg/kg	0 / 17	75	-	480 ^A	
Zinc	mg/kg	0 / 17	260	-	4800 ^A	
Cyanide	mg/kg	0 / 17	1.4	-	24 ^C	acute risk exposure - free cyanide
Total Petroleum Hydrocarbons						
EPH >C10-12	mg/kg	0 / 17	39	-	420 ^A	Aromatics (>C10-12) / Aliphatics (>C10-12)
EPH >C12-16	mg/kg	0 / 17	320	-	710 ^A	Aliphatics (C12-16) / Aromatics (C12-16)
EPH >C16-21	mg/kg	2 / 17	1600	405	980 ^A	Aromatics (>C16-21)
EPH >C10-40	mg/kg	- / 17	5200	-	n/a	
Aliphatics >C5-6	mg/kg	0 / 3	<0.01	-	160 ^A	
Aliphatics >C6-8	mg/kg	0 / 3	<0.01	-	530 ^A	
Aliphatics >C8-10	mg/kg	0 / 3	<0.01	-	150 ^A	
Aliphatics >C10-12	mg/kg	0 / 3	<1.5	-	760 ^A	
Aliphatics >C12-16	mg/kg	0 / 3	<1.2	-	4300 ^A	
Aliphatics >C16-21	mg/kg	0 / 3	6.9	-	110000 ^A	Aliphatics (>C16-35)
Aliphatics >C21-35	mg/kg	0 / 3	68	-	110000 ^A	Aliphatics (>C16-35)
Aliphatics >C35-44	mg/kg	0 / 2	<3.4	-	110000 ^A	
Aliphatics >C5-35	mg/kg	0 / 1	75	-	150 ^A	Aliphatics (>C8-10)
Aliphatics >C10-35	mg/kg	- / 2	<10	-	n/a	
Aromatics >C5-7	mg/kg	0 / 3	<0.01	-	350 ^A	
Aromatics >C7-8	mg/kg	0 / 3	<0.01	-	790 ^A	
Aromatics >C8-10	mg/kg	0 / 3	<0.01	-	200 ^A	
Aromatics >C10-12	mg/kg	0 / 3	18	-	420 ^A	
Aromatics >C12-16	mg/kg	0 / 3	32	-	710 ^A	
Aromatics >C16-21	mg/kg	0 / 3	90	-	980 ^A	
Aromatics >C21-35	mg/kg	0 / 3	160	-	1700 ^A	
Aromatics >C35-44	mg/kg	0 / 2	<1.4	-	1700 ^A	
BTEX						
Benzene	mg/kg	0 / 5	<0.01	-	0.87 ^B	
Toluene	mg/kg	0 / 5	<0.01	-	790 ^A	
Ethylbenzene	mg/kg	0 / 5	<0.01	-	280 ^A	
m,p xylenes	mg/kg	0 / 1	<0.01	-	320 ^A	o/p-Xylene
O-Xylene	mg/kg	0 / 1	<0.01	-	350 ^A	

Xylene (Total)	mg/kg	0 / 4	<0.01	-	320 ^A	o/p-Xylene
Methyl tert-butyl ether	mg/kg	0 / 1	<0.01	-	220 ^D	
Polycyclic Aromatic Hydrocarbons						
Naphthalene	mg/kg	0 / 19	2.4	-	13 ^A	
Acenaphthylene	mg/kg	0 / 18	0.1	-	1000 ^A	
Acenaphthene	mg/kg	0 / 18	7.1	-	1200 ^A	
Fluorene	mg/kg	0 / 18	3.9	-	930 ^A	
Phenanthrene	mg/kg	0 / 18	23	-	470 ^A	
Anthracene	mg/kg	0 / 18	5.2	-	11000 ^A	
Fluoranthene	mg/kg	0 / 18	48	-	930 ^A	
Pyrene	mg/kg	0 / 18	39	-	2100 ^A	
Benzo (a) anthracene	mg/kg	0 / 18	10	-	13 ^A	
Chrysene	mg/kg	0 / 18	9.2	-	27 ^A	
Benzo (b) fluoranthene	mg/kg	4 / 18	10	3.05	3.7 ^A	
Benzo (k) fluoranthene	mg/kg	0 / 18	3.1	-	100 ^A	
Benzo (a) pyrene	mg/kg	3 / 18	7.9	2.42	5 ^B	
Indeno (1,2,3 - cd) pyrene	mg/kg	0 / 18	2.8	-	42 ^A	
Dibenzo (ah) anthracene	mg/kg	3 / 18	1	0.269	0.31 ^A	
Benzo (ghi) perylene	mg/kg	0 / 18	3.4	-	350 ^A	
Speciated Phenols						
Phenol	mg/kg	0 / 1	<0.1	-	430 ^A	
2,4 - Dimethylphenol	mg/kg	0 / 1	<0.1	-	120 ^D	
2-Chlorophenol	mg/kg	0 / 1	<0.1	-	14 ^A	
Phenol (Monohydric)	mg/kg	0 / 17	2.2	-	430 ^A	
Other Organics						
Bromodichloromethane	mg/kg	0 / 1	<0.01	-	0.084 ^D	
Tribromomethane	mg/kg	0 / 1	<0.01	-	17 ^D	
Carbon tetrachloride	mg/kg	0 / 1	<0.01	-	2 ^A	
Vinyl chloride	mg/kg	0 / 1	<0.01	-	0.017 ^B	
cis 1,2 - Dichloroethene	mg/kg	0 / 1	<0.01	-	0.52 ^D	
Trans - 1,2 - Dichloroethene	mg/kg	0 / 1	<0.01	-	0.99 ^D	
1,1 - Dichloroethane	mg/kg	0 / 1	<0.01	-	11 ^D	
1,1 - Dichloroethene	mg/kg	0 / 1	<0.01	-	1.2 ^D	
Trichloroethene	mg/kg	0 / 1	<0.01	-	0.043 ^B	
1,1,2 - Trichloroethane	mg/kg	0 / 1	<0.01	-	3.7 ^D	
Tetrachloroethene	mg/kg	0 / 1	<0.01	-	1.6 ^B	
1,2,4 - Trimethylbenzene	mg/kg	0 / 1	<0.01	-	2.8 ^D	
1,2 - Dichloropropane	mg/kg	0 / 1	<0.01	-	0.12 ^D	
Styrene	mg/kg	0 / 1	<0.01	-	55 ^D	
iso - Propylbenzene	mg/kg	0 / 1	<0.01	-	89 ^D	
n-propylbenzene	mg/kg	0 / 1	<0.01	-	270 ^D	
2 - Chloronaphthalene	mg/kg	0 / 1	<0.1	-	31 ^D	
2,4 - Dinitrotoluene	mg/kg	0 / 1	<0.1	-	8.7 ^D	
2,6 - Dinitrotoluene	mg/kg	0 / 1	<0.1	-	4.8 ^D	
Bromobenzene	mg/kg	0 / 1	<0.01	-	6.6 ^D	
Butyl benzyl phthalate	mg/kg	0 / 1	<0.1	-	8200 ^D	
Diethyl phthalate	mg/kg	0 / 1	<0.1	-	700 ^D	
1,2,4-Trichlorobenzene	mg/kg	0 / 2	<0.1	-	15 ^A	
1,2-Dichlorobenzene	mg/kg	0 / 1	<0.01	-	130 ^A	
1,3-Dichlorobenzene	mg/kg	0 / 1	<0.01	-	2.5 ^A	
1,4-Dichlorobenzene	mg/kg	0 / 1	<0.01	-	350 ^A	

2,4,6-Trichlorophenol	mg/kg	0 / 1	<0.1	-	39 ^A	
2,4-Dichlorophenol	mg/kg	0 / 1	<0.1	-	31 ^A	
Di-n-butyl phthalate	mg/kg	0 / 1	<0.1	-	76 ^D	
Hexachlorobenzene (HCB)	mg/kg	0 / 1	<0.1	-	5.6 ^A	
Hexachlorobutadiene (HCBd)	mg/kg	0 / 1	<0.01	-	1.9 ^A	
Miscellaneous						
1,1-Dichloropropene	mg/kg	- / 1	<0.01	-	n/a	
1,2,3 Trichlorobenzene	mg/kg	0 / 1	<0.01	-	8.8 ^A	
1,2,3-Trichloropropane	mg/kg	- / 1	<0.01	-	n/a	
1,2-Dibromo-3-Chloropropane	mg/kg	- / 1	<0.01	-	n/a	
1,2-Dibromoethane	mg/kg	- / 1	<0.01	-	n/a	
1,2-Dichloroethane	mg/kg	0 / 1	<0.01	-	0.31 ^B	
1,3,5-Trimethylbenzene	mg/kg	- / 1	<0.01	-	n/a	
1,3-Dichloropropane	mg/kg	- / 1	<0.01	-	n/a	
2,2-Dichloropropane	mg/kg	- / 1	<0.01	-	n/a	
2,3,4,6-Tetrachlorophenol	mg/kg	0 / 1	<0.1	-	75 ^A	
2,3,5,6-Tetrachlorophenol	mg/kg	- / 1	<0.1	-	n/a	
2,4,5-Trichlorophenol	mg/kg	- / 1	<0.1	-	n/a	
2-Chlorotoluene	mg/kg	- / 1	<0.01	-	n/a	
2-Methyl-4,6-Dinitrophenol	mg/kg	- / 1	<0.1	-	n/a	
2-Methylnaphthalene	mg/kg	- / 1	<0.1	-	n/a	
2-Methylphenol	mg/kg	- / 1	<0.1	-	n/a	
2-Nitroaniline	mg/kg	- / 1	<0.1	-	n/a	
3/4 Methylphenol	mg/kg	- / 1	<0.1	-	n/a	
3-Nitroaniline	mg/kg	- / 1	<0.1	-	n/a	
4-Bromophenyl Phenyl Ether	mg/kg	- / 1	<0.1	-	n/a	
4-Chloro-3-Methylphenol	mg/kg	- / 1	<0.1	-	n/a	
4-Chlorophenyl Phenyl Ether	mg/kg	- / 1	<0.1	-	n/a	
4-Chlorotoluene	mg/kg	- / 1	<0.01	-	n/a	
4-Isopropyltoluene	mg/kg	- / 1	<0.01	-	n/a	
4-Nitroaniline	mg/kg	- / 1	<0.1	-	n/a	
4-Nitrophenol	mg/kg	- / 1	<0.1	-	n/a	
Aniline	mg/kg	- / 1	<0.1	-	n/a	
Aromatics >C10-35	mg/kg	- / 2	140	-	n/a	
Azobenzene	mg/kg	- / 1	<0.1	-	n/a	
Benzyl Alcohol	mg/kg	- / 1	<0.1	-	n/a	
Bis(2-chloroethoxy)methane	mg/kg	- / 1	<0.1	-	n/a	
Bis(2-chloroisopropyl)ether	mg/kg	- / 1	<0.1	-	n/a	
bis (2 - ethylhexyl) phthalate	mg/kg	0 / 1	<0.1	-	1400 ^D	
Bromochloromethane	mg/kg	- / 1	<0.01	-	n/a	
Carbazole	mg/kg	- / 1	<0.1	-	n/a	
Chlorobenzene	mg/kg	0 / 1	<0.01	-	2.4 ^A	
Chloroform	mg/kg	0 / 1	<0.01	-	4.2 ^A	
cis1,3-Dichloropropene	mg/kg	- / 1	<0.01	-	n/a	
Dibenzofuran	mg/kg	- / 1	<0.1	-	n/a	
Dibromochloromethane	mg/kg	- / 1	<0.01	-	n/a	
Dibromomethane	mg/kg	- / 1	<0.01	-	n/a	
Dimethylphthalate	mg/kg	- / 1	<0.1	-	n/a	
Di - n - octyl phthalate	mg/kg	0 / 1	<0.1	-	4300 ^D	
Diphenylamine	mg/kg	- / 1	<0.1	-	n/a	
EPH/TPH >C21-36	mg/kg	2 / 17	3100	834	1700 ^A	Aromatics(>C21-35)

No outliers were identified in any of the samples

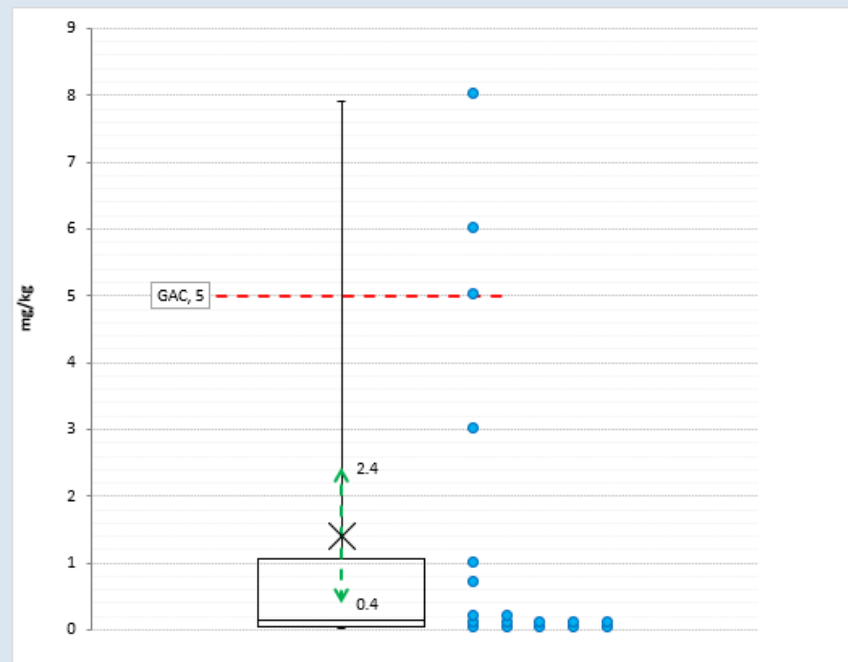
EXPLORATORY HOLES EXCEEDING TIER2 SCREENING VALUES

Contaminant	Hole ID	Concentration (mg/kg)	GAC (mg/kg)	Depth (m bgl)
Benzo (a) pyrene	TP107	6.4	5	3.3
Benzo (a) pyrene	TP108	7.9	5	0.2
Benzo (b) fluoranthene	TP106	6.5	3.7	2.8
Benzo (b) fluoranthene	TP107	7.7	3.7	3.3
Benzo (b) fluoranthene	TP108	10	3.7	0.2
Benzo (b) fluoranthene	TP119	3.8	3.7	3
Beryllium	TP108	2.9	1.7	0.2
Dibenzo (ah) anthracene	TP106	0.46	0.31	2.8
Dibenzo (ah) anthracene	TP107	0.6	0.31	3.3
Dibenzo (ah) anthracene	TP108	1	0.31	0.2
EPH >C16-21	TP107	1600	980	3.3
EPH >C16-21	TP108	1100	980	0.2
EPH/TPH >C21-36	TP107	3100	1700	3.3
EPH/TPH >C21-36	TP108	2300	1700	0.2
Lead	TP107	850	200	3.3

Benzo(a)pyrene

	Depth	Result (value)	Units	Geology		Determinand		Result (retaining <LOD)	Laboratory		Ref
LocationDetails.LocationID	Top Depth	Collated Result	Result Unit	Legend Code	Legend Code Description	Chemical Name	Chemical Code	Reported Result	Method	Laboratory Name	Sample Reference
TP108	0.20	7.9	mg/kg	102	MADE GROUND	Benzo(a)pyrene	50-32-8	7.9		DETSC 3303 vironmental Testing Services Ltd.	
TP107	3.30	6.4	mg/kg	102	MADE GROUND	Benzo(a)pyrene	50-32-8	6.4		DETSC 3303 vironmental Testing Services Ltd.	
TP106	2.80	5	mg/kg	102	MADE GROUND	Benzo(a)pyrene	50-32-8	5		DETSC 3303 vironmental Testing Services Ltd.	
TP119	3.00	3	mg/kg	102	MADE GROUND	Benzo(a)pyrene	50-32-8	3		DETSC 3303 vironmental Testing Services Ltd.	
TP107	1.50	1.2	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	1.2		DETSC 3303 vironmental Testing Services Ltd.	
TP102	2.50	0.68	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	0.68		DETSC 3303 vironmental Testing Services Ltd.	
TP107	0.50	0.21	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	0.21		DETSC 3303 vironmental Testing Services Ltd.	
TP109	1.00	0.19	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	0.19		DETSC 3303 vironmental Testing Services Ltd.	
TP121	1.00	0.14	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	0.14		DETSC 3303 vironmental Testing Services Ltd.	
TP106	0.30	0.13	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	0.13		DETSC 3303 vironmental Testing Services Ltd.	
TP101	0.30	0.12	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	0.12		DETSC 3303 vironmental Testing Services Ltd.	
TP104	0.80	0.1	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	< 0.1		DETSC 3433 vironmental Testing Services Ltd.	
TP121	3.20	0.1	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	0.1		DETSC 3303 vironmental Testing Services Ltd.	
TP101	0.80	0.03	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	< 0.03		DETSC 3303 vironmental Testing Services Ltd.	
TP102	0.00	0.03	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	< 0.03		DETSC 3303 vironmental Testing Services Ltd.	
TP104	0.80	0.03	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	< 0.03		DETSC 3303 vironmental Testing Services Ltd.	
TP108	0.80	0.03	mg/kg	102	MADE GROUND	Benzo(a)pyrene	50-32-8	< 0.03		DETSC 3303 vironmental Testing Services Ltd.	
TP119	1.00	0.03	mg/kg	103	Bituminous Material	Benzo(a)pyrene	50-32-8	< 0.03		DETSC 3303 vironmental Testing Services Ltd.	

Histogram, box plot, summary statistics and confidence interval



Benzo (a) pyrene Statistics

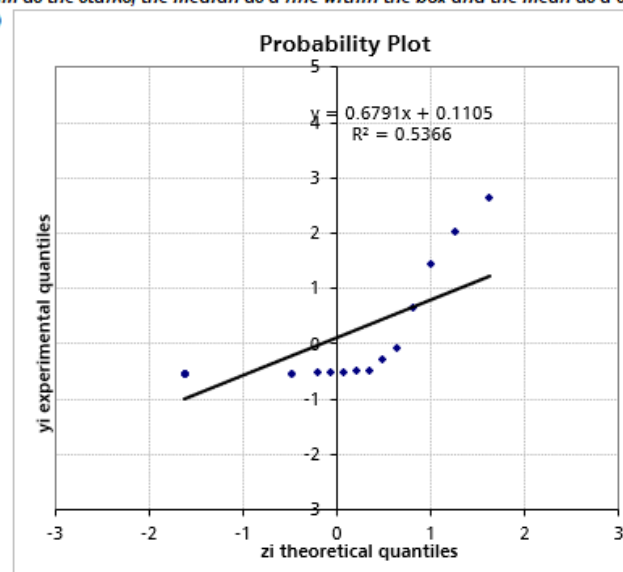
Sample number	18
Maximum	7.900000095
Upper Quartile	1.07
Median	0.135
Lower Quartile	0.0475
Minimum	0.029999999
Number exceeding	3 / 18
GAC value	5
Mean 'X'	1.4
Standard deviation	2.5
IQR	1.0
95% Confidence Interval	
0.4	2.4

Maximum value potential outlier

Note: The distribution of sample means converges to a normal distribution as the sample size increases.

Box plot shows the interquartile range as the box, the maximum and minimum as the stalks, the median as a line within the box and the mean as a cross.

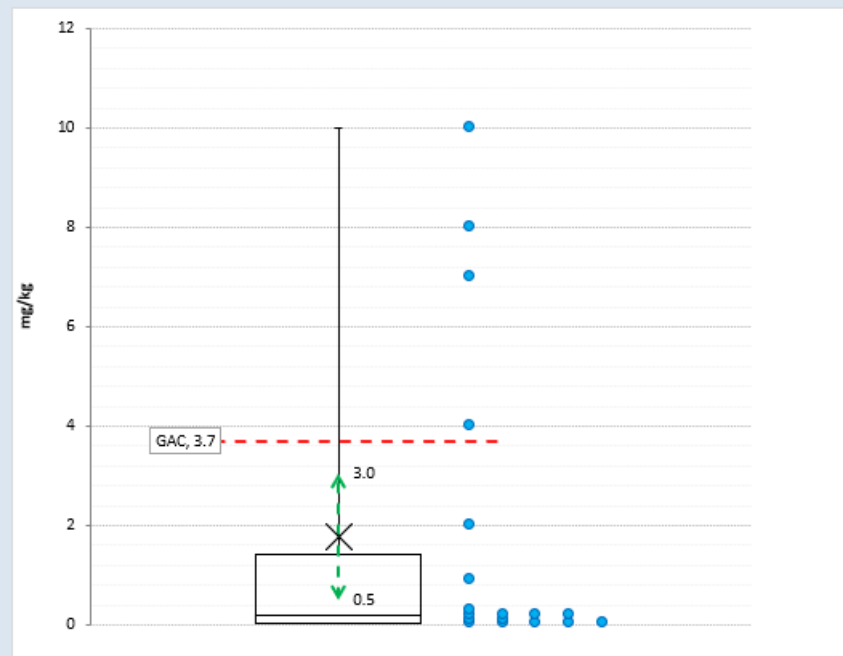
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
18	1.619856259	2.6276653
17	1.25211952	2.0206585
16	1.003147968	1.4541187
15	0.80459638	0.6447762
14	0.633640001	-0.0836321
13	0.479505653	-0.2940611
12	0.33603814	-0.4842566
11	0.199201325	-0.49235
10	0.066011812	-0.5125836
9	-0.066011812	-0.5166303
8	-0.199201325	-0.520677
6	-0.479505653	-0.5287704
6	-0.479505653	-0.5287704
1	-1.619856259	-0.5570974
1	-1.619856259	-0.5570974
1	-1.619856259	-0.5570974
1	-1.619856259	-0.5570974
1	-1.619856259	-0.5570974
1	-1.619856259	-0.5570974



Benzo(b)fluoranthene

	Depth	Result (value)	Units	Geology		Determinand		Result (retaining <LOD)	Laboratory		Ref
LocationDetails.LocationID	Top Depth	Collated Result	Result Unit	Legend Code	Legend Code Description	Chemical Name	Chemical Code	Reported Result	Method	Laboratory Name	Sample Reference
TP108	0.20	10	mg/kg	✓ 102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	10		DETSC 3303 Environmental Testing Services Ltd.	
TP107	3.30	7.7	mg/kg	✓ 102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	7.7		DETSC 3303 Environmental Testing Services Ltd.	
TP106	2.80	6.5	mg/kg	✓ 102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	6.5		DETSC 3303 Environmental Testing Services Ltd.	
TP119	3.00	3.8	mg/kg	✓ 102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	3.8		DETSC 3303 Environmental Testing Services Ltd.	
TP107	1.50	1.6	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	1.6		DETSC 3303 Environmental Testing Services Ltd.	
TP102	2.50	0.9	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	0.9		DETSC 3303 Environmental Testing Services Ltd.	
TP107	0.50	0.28	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	0.28		DETSC 3303 Environmental Testing Services Ltd.	
TP109	1.00	0.22	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	0.22		DETSC 3303 Environmental Testing Services Ltd.	
TP101	0.30	0.19	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	0.19		DETSC 3303 Environmental Testing Services Ltd.	
TP121	1.00	0.18	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	0.18		DETSC 3303 Environmental Testing Services Ltd.	
TP106	0.30	0.16	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	0.16		DETSC 3303 Environmental Testing Services Ltd.	
TP121	3.20	0.13	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	0.13		DETSC 3303 Environmental Testing Services Ltd.	
TP104	0.80	0.1	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	< 0.1		DETSC 3433 Environmental Testing Services Ltd.	
TP101	0.80	0.03	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP102	0.00	0.03	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP104	0.80	0.03	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP108	0.80	0.03	mg/kg	✓ 102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP119	1.00	0.03	mg/kg	✓ 103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	0.03		DETSC 3303 Environmental Testing Services Ltd.	

Histogram, box plot, summary statistics and confidence interval



Benzo (b) fluoranthene Statistics

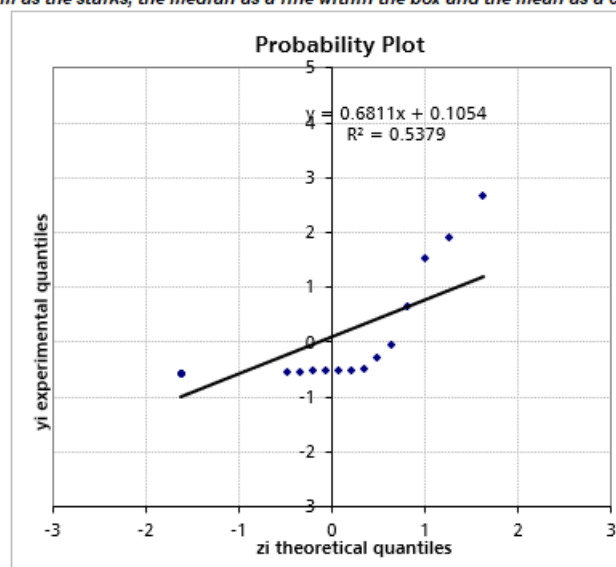
Sample number	18
Maximum	10
Upper Quartile	1.425
Median	0.185
Lower Quartile	0.0475
Minimum	0.029999999
Number exceeding	4 / 18
GAC value	3.7
Mean 'X'	1.8
Standard deviation	3.1
IQR	1.4
95% Confidence Interval	
0.5	3.0

Maximum value potential outlier

Note: The distribution of sample means converges to a normal distribution as the sample size increases.

Box plot shows the interquartile range as the box, the maximum and minimum as the stalks, the median as a line within the box and the mean as a cross.

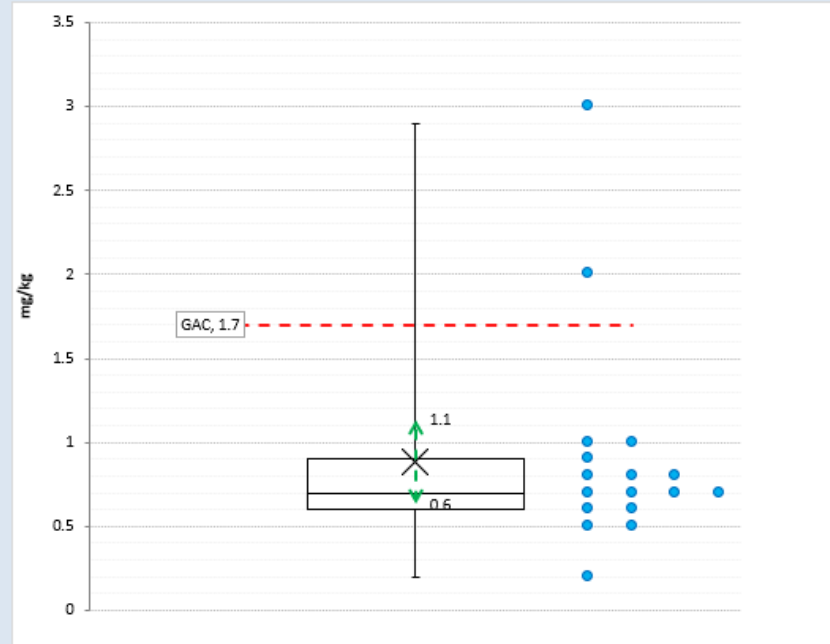
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
18	1.619856259	2.6566845
17	1.25211952	1.9139825
16	1.003147968	1.5264858
15	0.80459638	0.6546183
14	0.633640001	-0.0557923
13	0.479505653	-0.2818321
12	0.33603814	-0.4820387
11	0.199201325	-0.5014135
10	0.066011812	-0.5111101
9	-0.066011812	-0.5143301
8	-0.199201325	-0.5207884
7	-0.33603814	-0.5304758
6	-0.479505653	-0.5401632
1	-1.619856259	-0.5627672
1	-1.619856259	-0.5627672
1	-1.619856259	-0.5627672
1	-1.619856259	-0.5627672
1	-1.619856259	-0.5627672



Beryllium

	Depth	Result (value)	Units	Geology		Determinand		Result (retaining <LOD)	Laboratory		Ref
LocationDetails.LocationID	Top Depth	Collated Result	Result Unit	Legend Code	Legend Code Description	Chemical Name	Chemical Code	Reported Result	Method	Laboratory Name	Sample Reference
TP108	0.20	2.9	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	2.9		DETSC 2301 Environmental Testing Services Ltd.	
TP107	3.30	1.5	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	1.5		DETSC 2301 Environmental Testing Services Ltd.	
TP101	0.80	1.1	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	1.1		DETSC 2301 Environmental Testing Services Ltd.	
TP101	0.30	1	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	1		DETSC 2301 Environmental Testing Services Ltd.	
TP121	1.00	0.9	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.9		DETSC 2301 Environmental Testing Services Ltd.	
TP106	2.80	0.8	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	0.8		DETSC 2301 Environmental Testing Services Ltd.	
TP107	0.50	0.8	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.8		DETSC 2301 Environmental Testing Services Ltd.	
TP107	1.50	0.8	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.8		DETSC 2301 Environmental Testing Services Ltd.	
TP102	0.00	0.7	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.7		DETSC 2301 Environmental Testing Services Ltd.	
TP104	0.80	0.7	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.7		DETSC 2301 Environmental Testing Services Ltd.	
TP109	1.00	0.7	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.7		DETSC 2301 Environmental Testing Services Ltd.	
TP121	3.20	0.7	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.7		DETSC 2301 Environmental Testing Services Ltd.	
TP119	1.00	0.6	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.6		DETSC 2301 Environmental Testing Services Ltd.	
TP119	3.00	0.6	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	0.6		DETSC 2301 Environmental Testing Services Ltd.	
TP102	2.50	0.5	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.5		DETSC 2301 Environmental Testing Services Ltd.	
TP108	0.80	0.5	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	0.5		DETSC 2301 Environmental Testing Services Ltd.	
TP106	0.30	0.2	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	< 0.2		DETSC 2301 Environmental Testing Services Ltd.	

Histogram, box plot, summary statistics and confidence interval



Beryllium Statistics

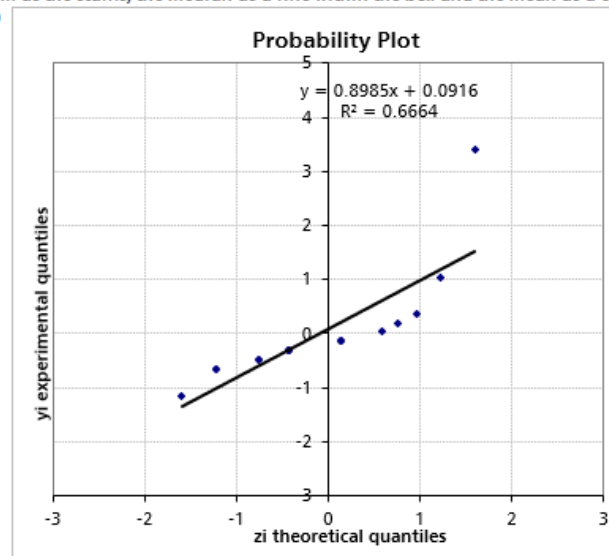
Sample number	17
Maximum	2.900000095
Upper Quartile	0.9
Median	0.7
Lower Quartile	0.6
Minimum	0.200000003
Number exceeding	1 / 17
GAC value	1.7
Mean 'X'	0.9
Standard deviation	0.6
IQR	0.3
95% Confidence Interval	
	0.6 1.1

Maximum value potential outlier

Note: The distribution of sample means converges to a normal distribution as the sample size increases.

Box plot shows the interquartile range as the box, the maximum and minimum as the stalks, the median as a line within the box and the mean as a cross.

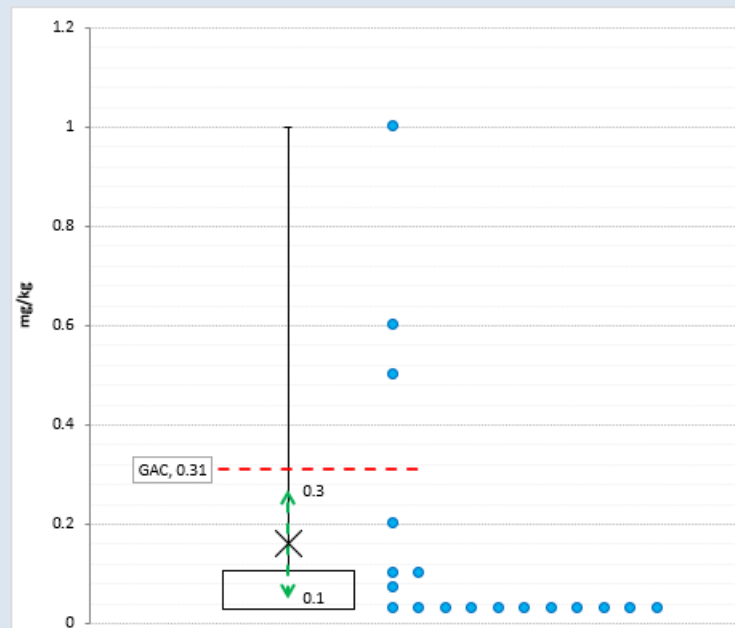
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
17	1.593218818	3.4151127
16	1.220640349	1.0454427
15	0.967421566	0.3683941
14	0.764709674	0.1991319
13	0.589455798	0.0298698
10	0.139710299	-0.1393924
10	0.139710299	-0.1393924
10	0.139710299	-0.1393924
6	-0.430727299	-0.3086545
6	-0.430727299	-0.3086545
6	-0.430727299	-0.3086545
6	-0.430727299	-0.3086545
4	-0.764709674	-0.4779166
4	-0.764709674	-0.4779166
2	-1.220640349	-0.6471788
2	-1.220640349	-0.6471788
1	-1.593218818	-1.1549652



Dibenzo(ah)anthracene

LocationDetails.LocationID	Depth	Result (value)	Units	Geology		Determinand		Result (retaining <LOD)	Laboratory		Ref
	Top Depth	Collated Result	Result Unit	Legend Code	Legend Code Description	Chemical Name	Chemical Code	Reported Result	Method	Laboratory Name	Sample Reference
TP108	0.20	1	mg/kg	102	MADE GROUND	benz-a-h-anthracene	53-70-3	1		DETSC 3303 Environmental Testing Services Ltd.	
TP107	3.30	0.6	mg/kg	102	MADE GROUND	benz-a-h-anthracene	53-70-3	0.6		DETSC 3303 Environmental Testing Services Ltd.	
TP106	2.80	0.46	mg/kg	102	MADE GROUND	benz-a-h-anthracene	53-70-3	0.46		DETSC 3303 Environmental Testing Services Ltd.	
TP119	3.00	0.21	mg/kg	102	MADE GROUND	benz-a-h-anthracene	53-70-3	0.21		DETSC 3303 Environmental Testing Services Ltd.	
TP107	1.50	0.11	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	0.11		DETSC 3303 Environmental Testing Services Ltd.	
TP104	0.80	0.1	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.1		DETSC 3433 Environmental Testing Services Ltd.	
TP102	2.50	0.07	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	0.07		DETSC 3303 Environmental Testing Services Ltd.	
TP101	0.30	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP101	0.80	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP102	0.00	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP104	0.80	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP106	0.30	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP107	0.50	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP108	0.80	0.03	mg/kg	102	MADE GROUND	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP109	1.00	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP119	1.00	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP121	1.00	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP121	3.20	0.03	mg/kg	103	Bituminous Material	benz-a-h-anthracene	53-70-3	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	

Histogram, box plot, summary statistics and confidence interval



Dibenzo (ah) anthracene Statistics

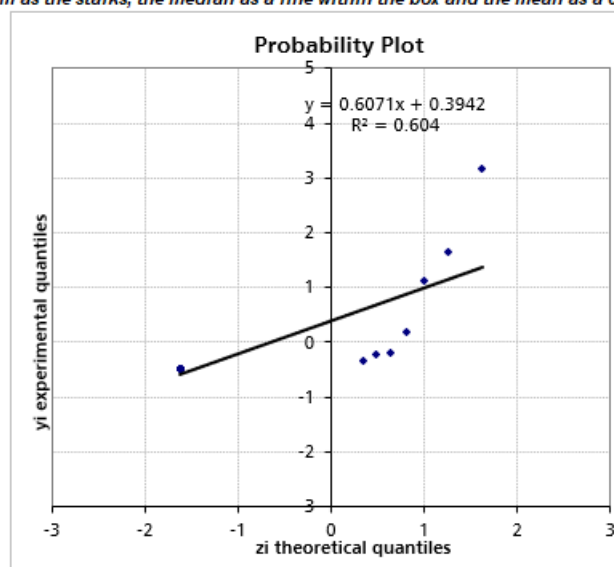
Sample number	18
Maximum	1
Upper Quartile	0.1075
Median	0.03
Lower Quartile	0.03
Minimum	0.029999999
Number exceeding	3 / 18
GAC value	0.31
Mean 'X'	0.2
Standard deviation	0.3
IQR	0.1
95% Confidence Interval	
	0.1 0.3

Maximum value potential outlier

Note: The distribution of sample means converges to a normal distribution as the sample size increases.

Box plot shows the interquartile range as the box, the maximum and minimum as the stalks, the median as a line within the box and the mean as a cross.

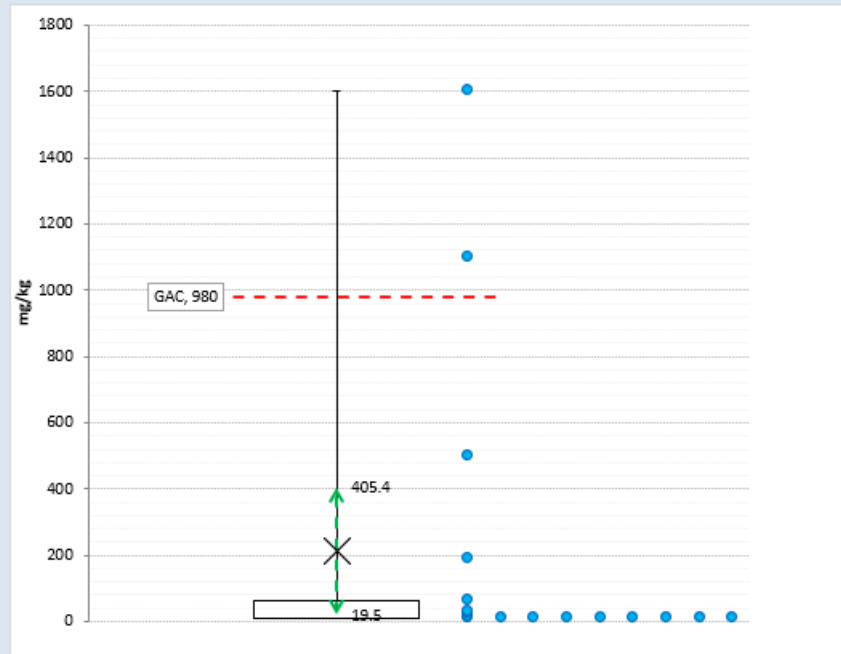
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
18	1.619856259	3.1725031
17	1.25211952	1.6617873
16	1.003147968	1.1330368
15	0.80459638	0.1888395
14	0.633640001	-0.1888395
13	0.479505653	-0.2266074
12	0.33603814	-0.339911
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826
1	-1.619856259	-0.4909826



EPH >C16-21

	Depth	Result (value)	Units	Geology		Determinand		Result (retaining <LOD)	Laboratory		Ref
LocationDetails.LocationID	Top Depth	Collated Result	Result Unit	Legend Code	Legend Code Description	Chemical Name	Chemical Code	Reported Result	Method	Laboratory Name	Sample Reference
TP107	3.30	1600	mg/kg	✓	102	MADE GROUND	EPH >C16-21	P1385	1600	DETSC 3311	Environmental Testing Services Ltd.
TP108	0.20	1100	mg/kg	✓	102	MADE GROUND	EPH >C16-21	P1385	1100	DETSC 3311	Environmental Testing Services Ltd.
TP106	2.80	500	mg/kg	✓	102	MADE GROUND	EPH >C16-21	P1385	500	DETSC 3311	Environmental Testing Services Ltd.
TP119	3.00	190	mg/kg	✓	102	MADE GROUND	EPH >C16-21	P1385	190	DETSC 3311	Environmental Testing Services Ltd.
TP107	1.50	63	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	63	DETSC 3311	Environmental Testing Services Ltd.
TP106	0.30	30	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	30	DETSC 3311	Environmental Testing Services Ltd.
TP109	1.00	23	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	23	DETSC 3311	Environmental Testing Services Ltd.
TP101	0.30	16	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	16	DETSC 3311	Environmental Testing Services Ltd.
TP101	0.80	10	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	< 10	DETSC 3311	Environmental Testing Services Ltd.
TP102	0.00	10	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	< 10	DETSC 3311	Environmental Testing Services Ltd.
TP102	2.50	10	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	< 10	DETSC 3311	Environmental Testing Services Ltd.
TP104	0.80	10	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	< 10	DETSC 3311	Environmental Testing Services Ltd.
TP107	0.50	10	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	< 10	DETSC 3311	Environmental Testing Services Ltd.
TP108	0.80	10	mg/kg	✓	102	MADE GROUND	EPH >C16-21	P1385	< 10	DETSC 3311	Environmental Testing Services Ltd.
TP119	1.00	10	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	< 10	DETSC 3311	Environmental Testing Services Ltd.
TP121	1.00	10	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	< 10	DETSC 3311	Environmental Testing Services Ltd.
TP121	3.20	10	mg/kg	✓	103	Bituminous Material	EPH >C16-21	P1385	< 10	DETSC 3311	Environmental Testing Services Ltd.

Histogram, box plot, summary statistics and confidence interval



EPH >C16-21 Statistics

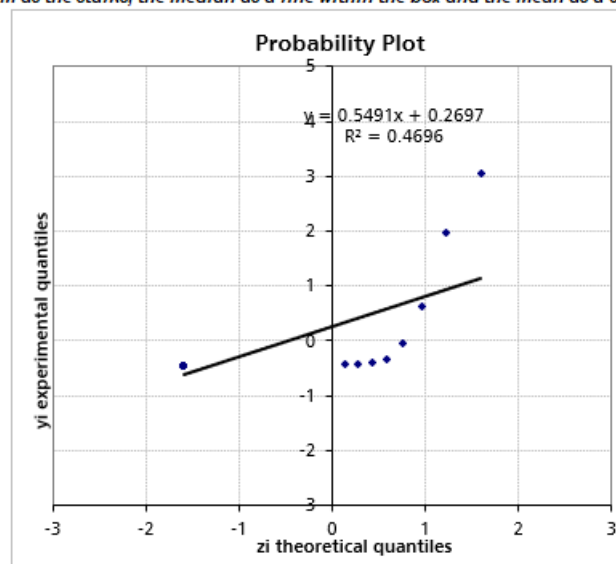
Sample number	17
Maximum	1600
Upper Quartile	63
Median	10
Lower Quartile	10
Minimum	10
Number exceeding	2 / 17
GAC value	980
Mean 'X'	212.5
Standard deviation	453.8
IQR	53.0
95% Confidence Interval	
	19.5
	405.4

Maximum value potential outlier

Note: The distribution of sample means converges to a normal distribution as the sample size increases.

Box plot shows the interquartile range as the box, the maximum and minimum as the stalks, the median as a line within the box and the mean as a cross.

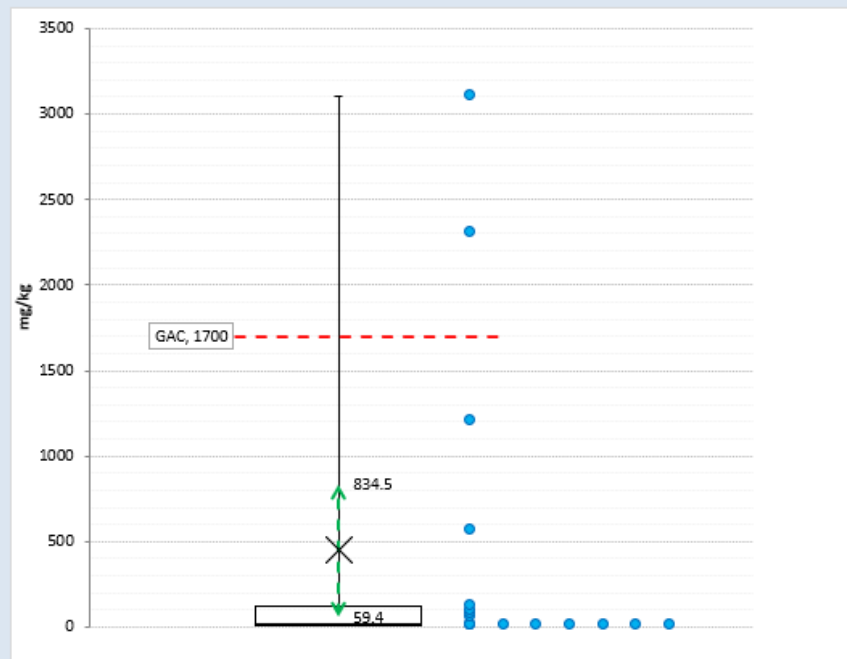
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
17	1.593218818	3.0574589
16	1.220640349	1.9556953
15	0.967421566	0.6335789
14	0.764709674	-0.0495146
13	0.589455798	-0.3293625
12	0.430727299	-0.4020789
11	0.282216147	-0.4175036
10	0.139710299	-0.4329283
1	-1.593218818	-0.4461495
1	-1.593218818	-0.4461495
1	-1.593218818	-0.4461495
1	-1.593218818	-0.4461495
1	-1.593218818	-0.4461495
1	-1.593218818	-0.4461495
1	-1.593218818	-0.4461495
1	-1.593218818	-0.4461495
1	-1.593218818	-0.4461495
1	-1.593218818	-0.4461495



EPH/TPH >C21-36

	Depth	Result (value)	Units	Geology		Determinand		Result (retaining <LOD)	Laboratory		Ref
LocationDetails.LocationID	Top Depth	Collated Result	Result Unit	Legend Code	Legend Code Description	Chemical Name	Chemical Code	Reported Result	Method	Laboratory Name	Sample Reference
TP107	3.30	3100	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	3100		DETSC 3311 Environmental Testing Services Ltd.	
TP108	0.20	2300	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	2300		DETSC 3311 Environmental Testing Services Ltd.	
TP106	2.80	1200	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	1200		DETSC 3311 Environmental Testing Services Ltd.	
TP119	3.00	560	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	560		DETSC 3311 Environmental Testing Services Ltd.	
TP107	1.50	120	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	120		DETSC 3311 Environmental Testing Services Ltd.	
TP101	0.30	93	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	93		DETSC 3311 Environmental Testing Services Ltd.	
TP109	1.00	78	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	78		DETSC 3311 Environmental Testing Services Ltd.	
TP106	0.30	54	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	54		DETSC 3311 Environmental Testing Services Ltd.	
TP107	0.50	12	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	12		DETSC 3311 Environmental Testing Services Ltd.	
TP119	1.00	11	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	11		DETSC 3311 Environmental Testing Services Ltd.	
TP101	0.80	10	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	< 10		DETSC 3311 Environmental Testing Services Ltd.	
TP102	0.00	10	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	< 10		DETSC 3311 Environmental Testing Services Ltd.	
TP102	2.50	10	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	< 10		DETSC 3311 Environmental Testing Services Ltd.	
TP104	0.80	10	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	< 10		DETSC 3311 Environmental Testing Services Ltd.	
TP108	0.80	10	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	< 10		DETSC 3311 Environmental Testing Services Ltd.	
TP121	1.00	10	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	< 10		DETSC 3311 Environmental Testing Services Ltd.	
TP121	3.20	10	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	< 10		DETSC 3311 Environmental Testing Services Ltd.	

Histogram, box plot, summary statistics and confidence interval



EPH/TPH >C21-36 Statistics

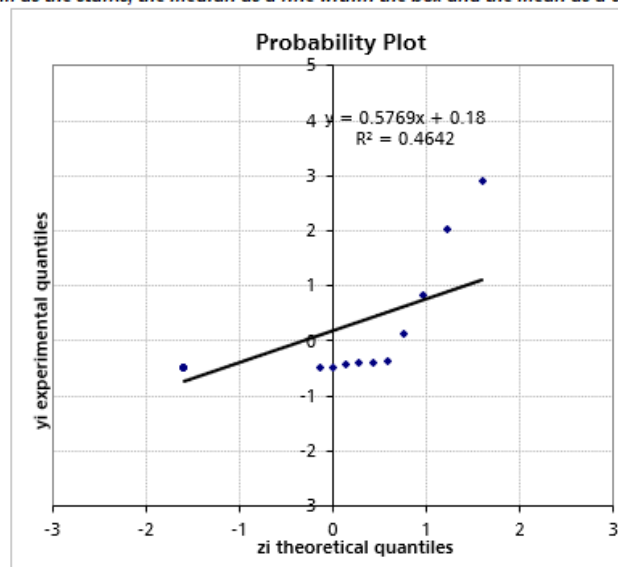
Sample number	17
Maximum	3100
Upper Quartile	120
Median	12
Lower Quartile	10
Minimum	10
Number exceeding	2 / 17
GAC value	1700
Mean 'X'	446.9
Standard deviation	911.4
IQR	110.0
95% Confidence Interval	
	59.4
	834.5

Maximum value potential outlier

Note: The distribution of sample means converges to a normal distribution as the sample size increases.

Box plot shows the interquartile range as the box, the maximum and minimum as the stalks, the median as a line within the box and the mean as a cross.

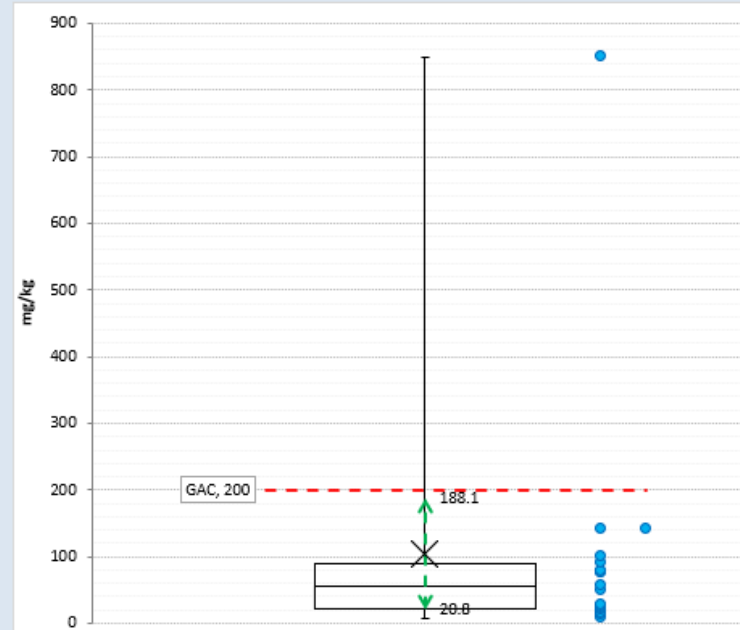
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
17	1.593218818	2.9109319
16	1.220640349	2.0331732
15	0.967421566	0.8262549
14	0.764709674	0.124048
13	0.589455798	-0.3587193
12	0.430727299	-0.3883437
11	0.282216147	-0.4048017
10	0.139710299	-0.4311344
9	0	-0.4772168
8	-0.139710299	-0.478314
1	-1.593218818	-0.4794112
1	-1.593218818	-0.4794112
1	-1.593218818	-0.4794112
1	-1.593218818	-0.4794112
1	-1.593218818	-0.4794112
1	-1.593218818	-0.4794112
1	-1.593218818	-0.4794112



LEAD

	Depth	Result (value)	Units	Geology		Determinand		Result (retaining <LOD)	Laboratory		Ref
LocationDetails.LocationID	Top Depth	Collated Result	Result Unit	Legend Code	Legend Code Description	Chemical Name	Chemical Code	Reported Result	Method	Laboratory Name	Sample Reference
TP107	3.30	850	mg/kg	✓ 102	MADE GROUND	Lead	7439-92-1	850	DETSC 2301	νironmental Testing Services Ltd.	
TP107	1.50	140	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	140	DETSC 2301	νironmental Testing Services Ltd.	
TP119	3.00	140	mg/kg	✓ 102	MADE GROUND	Lead	7439-92-1	140	DETSC 2301	νironmental Testing Services Ltd.	
TP107	0.50	100	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	100	DETSC 2301	νironmental Testing Services Ltd.	
TP108	0.20	89	mg/kg	✓ 102	MADE GROUND	Lead	7439-92-1	89	DETSC 2301	νironmental Testing Services Ltd.	
TP102	2.50	78	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	78	DETSC 2301	νironmental Testing Services Ltd.	
TP119	1.00	75	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	75	DETSC 2301	νironmental Testing Services Ltd.	
TP109	1.00	74	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	74	DETSC 2301	νironmental Testing Services Ltd.	
TP121	3.20	55	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	55	DETSC 2301	νironmental Testing Services Ltd.	
TP121	1.00	49	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	49	DETSC 2301	νironmental Testing Services Ltd.	
TP101	0.30	26	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	26	DETSC 2301	νironmental Testing Services Ltd.	
TP101	0.80	24	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	24	DETSC 2301	νironmental Testing Services Ltd.	
TP106	2.80	21	mg/kg	✓ 102	MADE GROUND	Lead	7439-92-1	21	DETSC 2301	νironmental Testing Services Ltd.	
TP104	0.80	20	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	20	DETSC 2301	νironmental Testing Services Ltd.	
TP102	0.00	14	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	14	DETSC 2301	νironmental Testing Services Ltd.	
TP108	0.80	12	mg/kg	✓ 102	MADE GROUND	Lead	7439-92-1	12	DETSC 2301	νironmental Testing Services Ltd.	
TP106	0.30	8.2	mg/kg	✓ 103	Bituminous Material	Lead	7439-92-1	8.2	DETSC 2301	νironmental Testing Services Ltd.	

Histogram, box plot, summary statistics and confidence interval



Lead Statistics

Sample number	17
Maximum	850
Upper Quartile	89
Median	55
Lower Quartile	21
Minimum	8.199999809
Number exceeding	1 / 17
GAC value	200
Mean 'X'	104.4
Standard deviation	196.7
IQR	68.0
95% Confidence Interval	
	20.8
	188.1

Maximum value potential outlier

Note: The distribution of sample means converges to a normal distribution as the sample size increases.

Box plot shows the interquartile range as the box, the maximum and minimum as the stalks, the median as a line within the box and the mean as a cross.

Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
17	1.593218818	3.7894899
15	0.967421566	0.1808221
15	0.967421566	0.1808221
14	0.764709674	-0.0224832
13	0.589455798	-0.0783921
12	0.430727299	-0.134301
11	0.282216147	-0.1495489
10	0.139710299	-0.1546316
9	0	-0.2512015
8	-0.139710299	-0.2816973
7	-0.282216147	-0.3985978
6	-0.430727299	-0.4087631
5	-0.589455798	-0.424011
4	-0.764709674	-0.4290936
3	-0.967421566	-0.4595894
2	-1.220640349	-0.4697547
1	-1.593218818	-0.4890687

