

GENERAL MADE GROUND

SUMMARY OF SOIL ANALYSIS: Residential with Plant Uptake

Contaminant	Units	Exceeding	Max	95% UCL	GAC	Based on
Metals & Inorganics						
Arsenic	mg/kg	1 / 23	37	16.4	37 ^B	
Boron	mg/kg	0 / 23	6	-	530 ^A	
Beryllium	mg/kg	3 / 23	5.1	1.51	1.7 ^A	
Cadmium	mg/kg	0 / 23	1	-	22 ^B	
Chromium	mg/kg	0 / 23	880	-	910 ^A	
Chromium - Hexavalent	mg/kg	0 / 22	<1	-	21 ^B	Allotments - S4UL
Copper	mg/kg	0 / 23	240	-	2900 ^A	
Lead	mg/kg	1 / 23	240	83.4	200 ^B	
Mercury	mg/kg	0 / 23	0.26	-	42 ^A	
Nickel	mg/kg	0 / 23	82	-	140 ^A	
Selenium	mg/kg	0 / 22	1.5	-	270 ^A	
Vanadium	mg/kg	0 / 23	73	-	480 ^A	
Zinc	mg/kg	0 / 23	260	-	4800 ^A	
Cyanide	mg/kg	0 / 23	1.3	-	24 ^C	acute risk exposure - free cyanide
Total Petroleum Hydrocarbons						
EPH >C10-12	mg/kg	0 / 22	57	-	420 ^A	Aromatics (>C10-12) / Aliphatics (>C10-12)
EPH >C12-16	mg/kg	0 / 23	360	-	710 ^A	Aliphatics (C12-16) / Aromatics (C12-16)
EPH >C16-21	mg/kg	1 / 23	1200	220	980 ^A	Aromatics (>C16-21)
EPH >C10-40	mg/kg	- / 23	3900	-	n/a	
Aliphatics >C5-6	mg/kg	0 / 2	<0.01	-	160 ^A	
Aliphatics >C6-8	mg/kg	0 / 2	<0.01	-	530 ^A	
Aliphatics >C8-10	mg/kg	0 / 2	<0.01	-	150 ^A	
Aliphatics >C10-12	mg/kg	0 / 2	5.1	-	760 ^A	
Aliphatics >C12-16	mg/kg	0 / 2	42	-	4300 ^A	
Aliphatics >C16-21	mg/kg	0 / 2	110	-	110000 ^A	Aliphatics (>C16-35)
Aliphatics >C21-35	mg/kg	0 / 2	31	-	110000 ^A	Aliphatics (>C16-35)
Aliphatics >C35-44	mg/kg	0 / 2	<3.4	-	110000 ^A	
Aliphatics >C10-35	mg/kg	- / 2	180	-	n/a	
Aromatics >C5-7	mg/kg	0 / 2	<0.01	-	350 ^A	
Aromatics >C7-8	mg/kg	0 / 2	<0.01	-	790 ^A	
Aromatics >C8-10	mg/kg	0 / 2	<0.01	-	200 ^A	
Aromatics >C10-12	mg/kg	0 / 2	<0.9	-	420 ^A	
Aromatics >C12-16	mg/kg	0 / 2	11	-	710 ^A	
Aromatics >C16-21	mg/kg	0 / 2	50	-	980 ^A	
Aromatics >C21-35	mg/kg	0 / 2	60	-	1700 ^A	
Aromatics >C35-44	mg/kg	0 / 2	<1.4	-	1700 ^A	
BTEX						
Benzene	mg/kg	0 / 4	<0.1	-	0.87 ^B	
Toluene	mg/kg	0 / 4	<0.1	-	790 ^A	
Ethylbenzene	mg/kg	0 / 4	<0.1	-	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 / 3	<0.1	-	320 ^A	o/p-Xylene

Methyl tert-butyl ether	mg/kg	0 / 1	<0.01	-	220 ^D	
Polycyclic Aromatic Hydrocarbons						
Naphthalene	mg/kg	0 / 25	5	-	13 ^A	
Acenaphthylene	mg/kg	0 / 23	0.2	-	1000 ^A	
Acenaphthene	mg/kg	0 / 24	12	-	1200 ^A	
Fluorene	mg/kg	0 / 24	20	-	930 ^A	
Phenanthrene	mg/kg	0 / 24	29	-	470 ^A	
Anthracene	mg/kg	0 / 24	6.5	-	11000 ^A	
Fluoranthene	mg/kg	0 / 24	19	-	930 ^A	
Pyrene	mg/kg	0 / 24	19	-	2100 ^A	
Benzo (a) anthracene	mg/kg	0 / 24	5.4	-	13 ^A	
Chrysene	mg/kg	0 / 24	5.7	-	27 ^A	
Benzo (b) fluoranthene	mg/kg	1 / 24	5.6	1.26	3.7 ^A	
Benzo (k) fluoranthene	mg/kg	0 / 24	2	-	100 ^A	
Benzo (a) pyrene	mg/kg	0 / 24	4.8	-	5 ^B	
Indeno (1,2,3 - cd) pyrene	mg/kg	0 / 24	1.4	-	42 ^A	
Dibenzo (ah) anthracene	mg/kg	1 / 24	0.47	0.118	0.31 ^A	
Benzo (ghi) perylene	mg/kg	0 / 24	2	-	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 / 23	0.9	-	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	0.5	-	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	100	-	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	6.6	-	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	1 / 23	2100	385	1700 ^A	Aromatics(>C21-35)
EPH/TPH >C36-40	mg/kg	0 / 23	150	-	1700 ^A	Aromatics(>C21-35)

Hexachlorocyclopentadiene	mg/kg	- / 1	<0.1	-	n/a	
Magnesium	mg/kg	- / 3	18	-	n/a	
M-Dinitrobenzene	mg/kg	- / 1	<0.1	-	n/a	
n-Butylbenzene	mg/kg	- / 1	<0.01	-	n/a	
O-Dinitrobenzene	mg/kg	- / 1	<0.1	-	n/a	
P-Dinitrobenzene	mg/kg	- / 1	<0.1	-	n/a	
Pentachlorophenol (PCP)	mg/kg	0 / 1	<0.1	-	14 ^A	
Sec-Butylbenzene	mg/kg	- / 1	<0.01	-	n/a	
Sulphide	mg/kg	- / 23	260	-	n/a	
Tert-Butylbenzene	mg/kg	- / 1	<0.01	-	n/a	
Aliphatics & Aromatics >C10-44	mg/kg	- / 2	270	-	n/a	
trans-1,3-Dichloropropene	mg/kg	- / 1	<0.01	-	n/a	

Residential with Plant Uptake assuming 6.0% SOM Generic Assessment Criteria (GAC)

^A LQM/CIEH Suitable for use Levels (S4UL). Copyright Land Quality Management Limited reproduced with permission; Publication Number S4UL 3036. All rights reserved. Top two consumption group applied.

^B Defra Category 4 Screening Levels (C4SLs)

^C Acute Risk GAC (SoBRA derived)

^D GAC derived using CLEA v1.071

^E GAC derived using CLEA v1.071 and SGV report spreadsheet

No outliers were identified in any of the samples

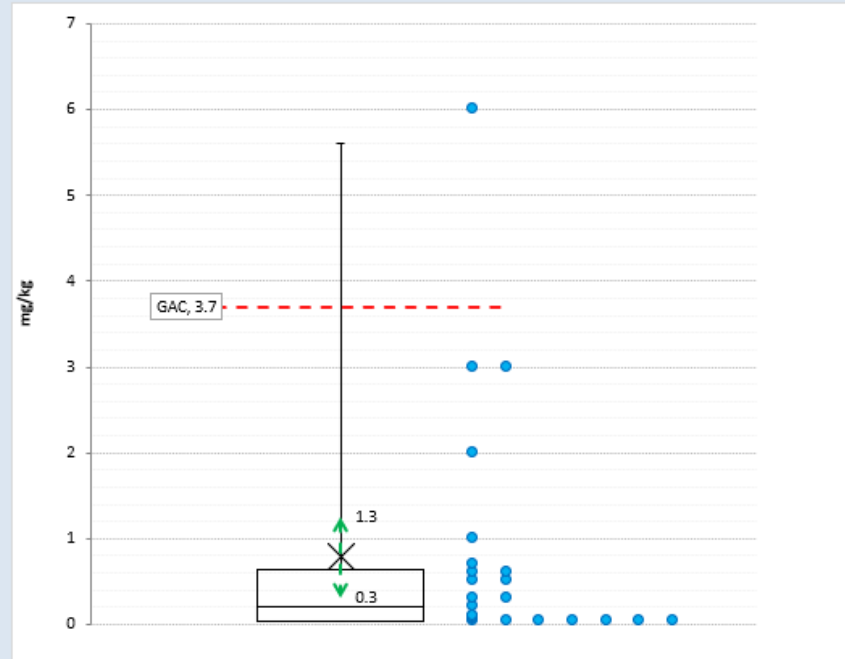
EXPLORATORY HOLES EXCEEDING TIER2 SCREENING VALUES

Contaminant	Hole ID	Concentration (mg/kg)	GAC (mg/kg)	Depth (m bgl)
Benzo (b) fluoranthene	TP110	5.6	3.7	0.2
Beryllium	BH107	5.1	1.7	2
Beryllium	TP116A	2.1	1.7	0.4
Beryllium	TP123	2.3	1.7	0.4
Dibenzo (ah) anthracene	TP110	0.47	0.31	0.2
EPH >C16-21	BH101	1200	980	0.5
EPH/TPH >C21-36	BH101	2100	1700	0.5
Lead	TP110	240	200	0.2

Benzo(b)fluoranthene

	Depth	Result (value)	Units	Geology		Determinand		Result (retaining <LOD)	Laboratory		Ref
Location/Details/LocationID	Top Depth	Collated Result	Result Unit	Legend Code	Legend Code Description	Chemical Name	Chemical Code	Reported Result	Method	Laboratory Name	Sample Reference
TP110	0.20	5.6	mg/kg	102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	5.6		DETSC 3303 Environmental Testing Services Ltd.	
BH101	0.50	3.3	mg/kg	430	SAND and GRAVEL	Benzo(b)fluoranthene	205-99-2	3.3		DETSC 3303 Environmental Testing Services Ltd.	
TP122	0.40	2.7	mg/kg	102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	2.7		DETSC 3303 Environmental Testing Services Ltd.	
BH106	0.20	1.9	mg/kg	101	TOPSOIL	Benzo(b)fluoranthene	205-99-2	1.9		DETSC 3303 Environmental Testing Services Ltd.	
BH103	0.50	1.3	mg/kg	103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	1.3		DETSC 3303 Environmental Testing Services Ltd.	
BH102	0.50	0.73	mg/kg	220	Sandy gravelly CLAY	Benzo(b)fluoranthene	205-99-2	0.73		DETSC 3303 Environmental Testing Services Ltd.	
HP117E	0.00	0.6	mg/kg	102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	0.6		DETSC 3303 Environmental Testing Services Ltd.	
TP103	0.30	0.57	mg/kg	102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	0.57		DETSC 3303 Environmental Testing Services Ltd.	
TP123	0.40	0.49	mg/kg	102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	0.49		DETSC 3303 Environmental Testing Services Ltd.	
BH106	0.20	0.45	mg/kg	101	TOPSOIL	Benzo(b)fluoranthene	205-99-2	0.45		DETSC 3303 Environmental Testing Services Ltd.	
TP103	1.50	0.3	mg/kg	102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	0.3		DETSC 3303 Environmental Testing Services Ltd.	
TP116A	0.40	0.25	mg/kg	102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	0.25		DETSC 3303 Environmental Testing Services Ltd.	
HP114	0.00	0.17	mg/kg	101	TOPSOIL	Benzo(b)fluoranthene	205-99-2	0.17		DETSC 3303 Environmental Testing Services Ltd.	
TP103	1.50	0.1	mg/kg	102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	0.1		DETSC 3433 Environmental Testing Services Ltd.	
BH105	0.20	0.08	mg/kg	103	Bituminous Material	Benzo(b)fluoranthene	205-99-2	0.08		DETSC 3303 Environmental Testing Services Ltd.	
BH107	2.00	0.07	mg/kg	230	Sandy gravelly cobbly SILT/CLAY	Benzo(b)fluoranthene	205-99-2	0.07		DETSC 3303 Environmental Testing Services Ltd.	
BH107	1.00	0.06	mg/kg	102	MADE GROUND	Benzo(b)fluoranthene	205-99-2	0.06		DETSC 3303 Environmental Testing Services Ltd.	
BH104	0.20	0.03	mg/kg	101	TOPSOIL	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
BH104	1.00	0.03	mg/kg	214	Sandy gravelly cobbly CLAY	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
BH108	0.50	0.03	mg/kg	528	Silty sandy cobbly GRAVEL	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
HP111	0.00	0.03	mg/kg	101	TOPSOIL	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
HP113	0.00	0.03	mg/kg	101	TOPSOIL	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
HP115	0.00	0.03	mg/kg	101	TOPSOIL	Benzo(b)fluoranthene	205-99-2	< 0.03		DETSC 3303 Environmental Testing Services Ltd.	
TP120	0.60	0.03	mg/kg	208	Silty gravelly CLAY	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

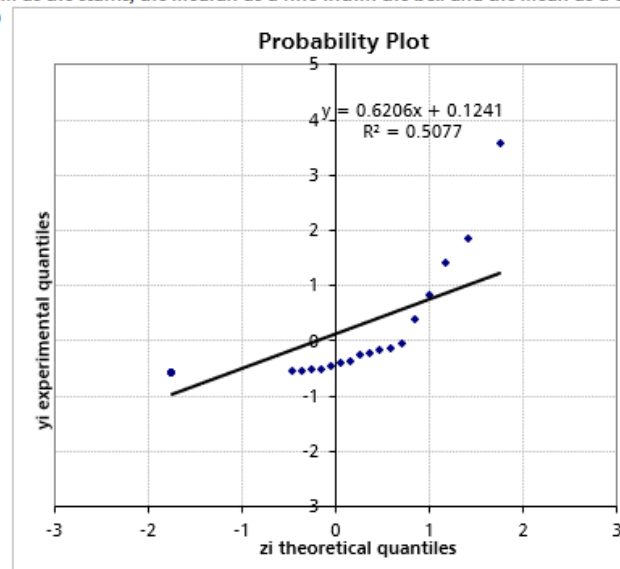
Sample number	24
Maximum	5.599999905
Upper Quartile	0.6325
Median	0.21
Lower Quartile	0.03
Minimum	0.029999999
Number exceeding	1 / 24
GAC value	3.7
Mean 'X'	0.8
Standard deviation	1.3
IQR	0.6
95% Confidence Interval	
	0.3
	1.3

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.

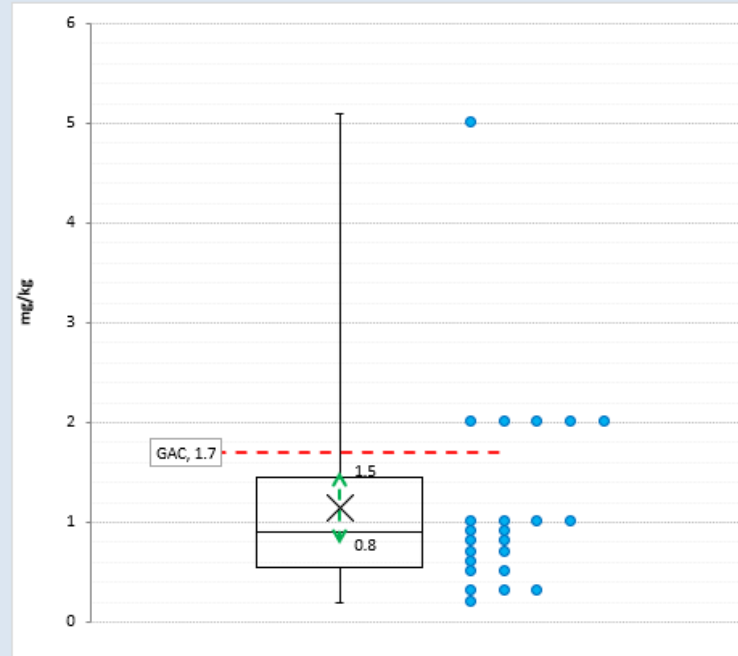
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
24	1.750686071	3.5678488
23	1.40507156	1.8629903
22	1.174986792	1.4182446
21	0.994457883	0.8252503
20	0.841621234	0.3805046
19	0.706302563	-0.0420038
18	0.582841507	-0.1383653
17	0.467698799	-0.1606026
16	0.358458793	-0.219902
15	0.253347103	-0.2495518
14	0.150969215	-0.3607382
13	0.050153583	-0.3978003
12	-0.050153583	-0.4570997
11	-0.150969215	-0.5089867
10	-0.253347103	-0.5238116
9	-0.358458793	-0.531224
8	-0.467698799	-0.5386365
1	-1.750686071	-0.5608737
1	-1.750686071	-0.5608737
1	-1.750686071	-0.5608737
1	-1.750686071	-0.5608737
1	-1.750686071	-0.5608737
1	-1.750686071	-0.5608737
1	-1.750686071	-0.5608737
1	-1.750686071	-0.5608737



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
BH107	2.00	5.1	mg/kg	230	rdy gravelly cobbly SILT/CL	Beryllium	7440-41-7	5.1	DETSC 2301	nvironmental Testing Services Ltd.	
TP123	0.40	2.3	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	2.3	DETSC 2301	nvironmental Testing Services Ltd.	
TP116A	0.40	2.1	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	2.1	DETSC 2301	nvironmental Testing Services Ltd.	
BH104	1.00	1.5	mg/kg	214	y sandy gravelly cobbly CL	Beryllium	7440-41-7	1.5	DETSC 2301	nvironmental Testing Services Ltd.	
TP110	0.20	1.5	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	1.5	DETSC 2301	nvironmental Testing Services Ltd.	
TP122	0.40	1.5	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	1.5	DETSC 2301	nvironmental Testing Services Ltd.	
BH106	0.20	1.4	mg/kg	101	TOPSOIL	Beryllium	7440-41-7	1.4	DETSC 2301	nvironmental Testing Services Ltd.	
TP103	1.50	1.2	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	1.2	DETSC 2301	nvironmental Testing Services Ltd.	
BH104	0.20	1.1	mg/kg	101	TOPSOIL	Beryllium	7440-41-7	1.1	DETSC 2301	nvironmental Testing Services Ltd.	
BH105	0.20	1.1	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	1.1	DETSC 2301	nvironmental Testing Services Ltd.	
BH106	0.20	0.9	mg/kg	101	TOPSOIL	Beryllium	7440-41-7	0.9	DETSC 2301	nvironmental Testing Services Ltd.	
HP117E	0.00	0.9	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	0.9	DETSC 2301	nvironmental Testing Services Ltd.	
BH103	0.50	0.8	mg/kg	103	Bituminous Material	Beryllium	7440-41-7	0.8	DETSC 2301	nvironmental Testing Services Ltd.	
TP103	0.30	0.8	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	0.8	DETSC 2301	nvironmental Testing Services Ltd.	
BH101	0.50	0.7	mg/kg	430	SAND and GRAVEL	Beryllium	7440-41-7	0.7	DETSC 2301	nvironmental Testing Services Ltd.	
TP120	0.60	0.7	mg/kg	208	Silty gravelly CLAY	Beryllium	7440-41-7	0.7	DETSC 2301	nvironmental Testing Services Ltd.	
BH102	0.50	0.6	mg/kg	220	Sandy gravelly CLAY	Beryllium	7440-41-7	0.6	DETSC 2301	nvironmental Testing Services Ltd.	
BH108	0.50	0.5	mg/kg	528	Silty sandy cobbly GRAVEL	Beryllium	7440-41-7	0.5	DETSC 2301	nvironmental Testing Services Ltd.	
HP113	0.00	0.5	mg/kg	101	TOPSOIL	Beryllium	7440-41-7	0.5	DETSC 2301	nvironmental Testing Services Ltd.	
HP111	0.00	0.3	mg/kg	101	TOPSOIL	Beryllium	7440-41-7	0.3	DETSC 2301	nvironmental Testing Services Ltd.	
HP114	0.00	0.3	mg/kg	101	TOPSOIL	Beryllium	7440-41-7	0.3	DETSC 2301	nvironmental Testing Services Ltd.	
HP115	0.00	0.3	mg/kg	101	TOPSOIL	Beryllium	7440-41-7	0.3	DETSC 2301	nvironmental Testing Services Ltd.	
BH107	1.00	0.2	mg/kg	102	MADE GROUND	Beryllium	7440-41-7	0.2	DETSC 2301	nvironmental Testing Services Ltd.	

Histogram, box plot, summary statistics and confidence interval



Beryllium Statistics

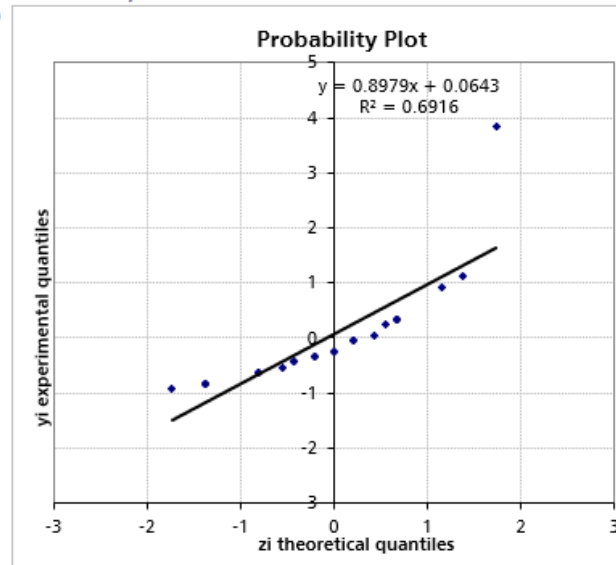
Sample number	23
Maximum	5.099999905
Upper Quartile	1.45
Median	0.9
Lower Quartile	0.55
Minimum	0.200000003
Number exceeding	3 / 23
GAC value	1.7
Mean 'X'	1.1
Standard deviation	1.0
IQR	0.9
95% Confidence Interval	
	0.8 1.5

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.

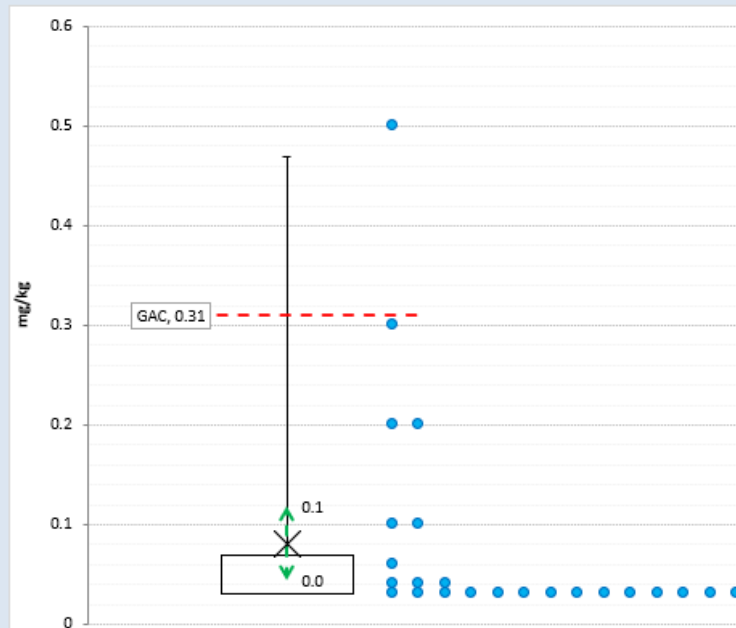
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
23	1.731664396	3.8481546
22	1.382994127	1.1248452
21	1.15034938	0.9303231
18	0.67448975	0.3467568
18	0.67448975	0.3467568
18	0.67448975	0.3467568
17	0.548522283	0.2494957
16	0.430727299	0.0549736
14	0.210428394	-0.0422874
14	0.210428394	-0.0422874
12	0	-0.2368095
12	0	-0.2368095
10	-0.210428394	-0.3340706
10	-0.210428394	-0.3340706
8	-0.430727299	-0.4313316
8	-0.430727299	-0.4313316
7	-0.548522283	-0.5285927
5	-0.812217801	-0.6258537
5	-0.812217801	-0.6258537
2	-1.382994127	-0.8203758
2	-1.382994127	-0.8203758
2	-1.382994127	-0.8203758
1	-1.731664396	-0.9176369



Dibenzo(a,h)anthracene

	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
TP110	0.20	0.47	mg/kg	102	MADE GROUND	enz-a-h-anthraxe	53-70-3	0.47	DETSC 3303	vironmental Testing Services Ltd.	
BH101	0.50	0.28	mg/kg	430	SAND and GRAVEL	enz-a-h-anthraxe	53-70-3	0.28	DETSC 3303	vironmental Testing Services Ltd.	
TP122	0.40	0.19	mg/kg	102	MADE GROUND	enz-a-h-anthraxe	53-70-3	0.19	DETSC 3303	vironmental Testing Services Ltd.	
BH106	0.20	0.16	mg/kg	101	TOPSOIL	enz-a-h-anthraxe	53-70-3	0.16	DETSC 3303	vironmental Testing Services Ltd.	
BH103	0.50	0.14	mg/kg	103	Bituminous Material	enz-a-h-anthraxe	53-70-3	0.14	DETSC 3303	vironmental Testing Services Ltd.	
TP103	1.50	0.1	mg/kg	102	MADE GROUND	enz-a-h-anthraxe	53-70-3	< 0.1	DETSC 3433	vironmental Testing Services Ltd.	
BH102	0.50	0.06	mg/kg	220	Sandy gravelly CLAY	enz-a-h-anthraxe	53-70-3	0.06	DETSC 3303	vironmental Testing Services Ltd.	
HP117E	0.00	0.04	mg/kg	102	MADE GROUND	enz-a-h-anthraxe	53-70-3	0.04	DETSC 3303	vironmental Testing Services Ltd.	
TP103	0.30	0.04	mg/kg	102	MADE GROUND	enz-a-h-anthraxe	53-70-3	0.04	DETSC 3303	vironmental Testing Services Ltd.	
TP123	0.40	0.04	mg/kg	102	MADE GROUND	enz-a-h-anthraxe	53-70-3	0.04	DETSC 3303	vironmental Testing Services Ltd.	
BH104	0.20	0.03	mg/kg	101	TOPSOIL	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
BH104	1.00	0.03	mg/kg	214	y sandy gravelly cobbly CL	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
BH105	0.20	0.03	mg/kg	103	Bituminous Material	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
BH106	0.20	0.03	mg/kg	101	TOPSOIL	enz-a-h-anthraxe	53-70-3	0.03	DETSC 3303	vironmental Testing Services Ltd.	
BH107	1.00	0.03	mg/kg	102	MADE GROUND	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
BH107	2.00	0.03	mg/kg	102	rdy gravelly cobbly SILT/CL	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
BH108	0.50	0.03	mg/kg	528	Silty sandy cobbly GRAVEL	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
HP111	0.00	0.03	mg/kg	101	TOPSOIL	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
HP113	0.00	0.03	mg/kg	101	TOPSOIL	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
HP114	0.00	0.03	mg/kg	101	TOPSOIL	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
HP115	0.00	0.03	mg/kg	101	TOPSOIL	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
TP103	1.50	0.03	mg/kg	102	MADE GROUND	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
TP116A	0.40	0.03	mg/kg	102	MADE GROUND	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	
TP120	0.60	0.03	mg/kg	208	Silty gravelly CLAY	enz-a-h-anthraxe	53-70-3	< 0.03	DETSC 3303	vironmental Testing Services Ltd.	

Dibenzo (ah) anthracene Statistics

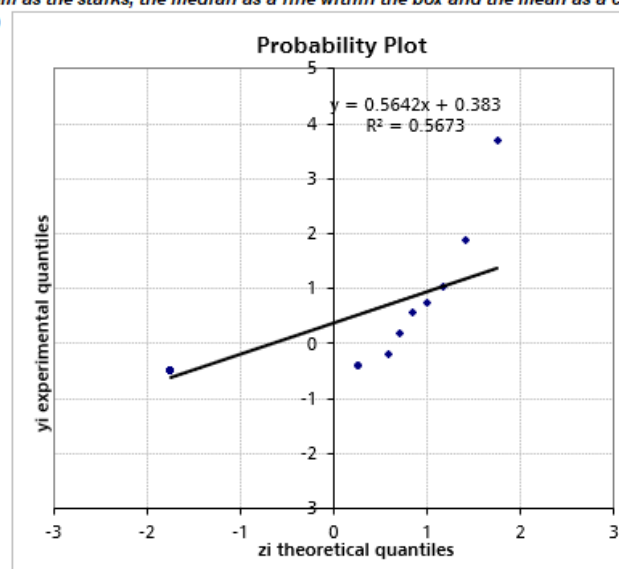


Sample number	24
Maximum	0.4699999999
Upper Quartile	0.07
Median	0.03
Lower Quartile	0.03
Minimum	0.0299999999
Number exceeding	1 / 24
GAC value	0.31
Mean 'X'	0.1
Standard deviation	0.1
IQR	0.0
95% Confidence Interval	0.0 0.1

Maximum value potential outlier

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

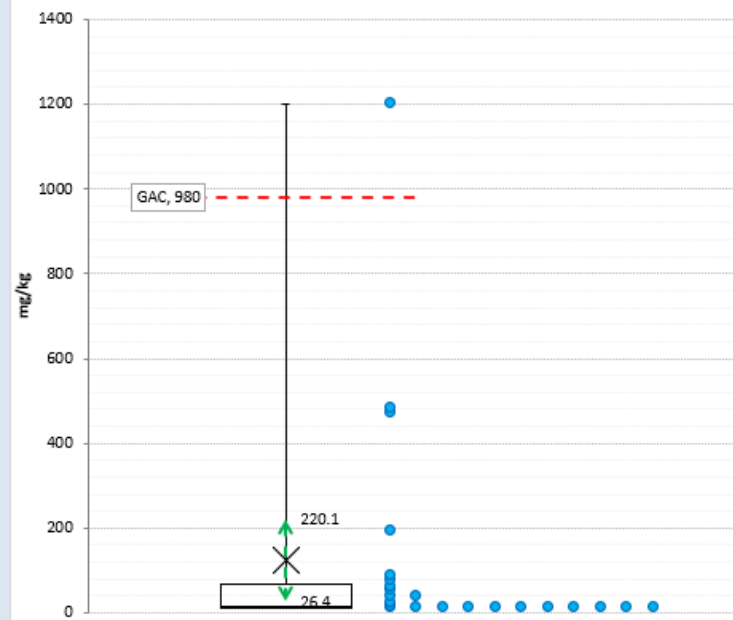
Box plot shows the interquartile range as the box, the maximum and minimum as the stalks, the median as a line within the box and the mean as a cross.

[illegible]

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
BH101	0.50	1200	mg/kg	430	SAND and GRAVEL	EPH >C16-21	P1385	1200		DETSC 3311 Environmental Testing Services Ltd.	
TP123	0.40	480	mg/kg	102	MADE GROUND	EPH >C16-21	P1385	480		DETSC 3311 Environmental Testing Services Ltd.	
TP110	0.20	470	mg/kg	102	MADE GROUND	EPH >C16-21	P1385	470		DETSC 3311 Environmental Testing Services Ltd.	
TP103	0.30	190	mg/kg	102	MADE GROUND	EPH >C16-21	P1385	190		DETSC 3311 Environmental Testing Services Ltd.	
HP117E	0.00	88	mg/kg	102	MADE GROUND	EPH >C16-21	P1385	88		DETSC 3311 Environmental Testing Services Ltd.	
TP103	1.50	74	mg/kg	102	MADE GROUND	EPH >C16-21	P1385	74		DETSC 3311 Environmental Testing Services Ltd.	
BH106	0.20	59	mg/kg	101	TOPSOIL	EPH >C16-21	P1385	59		DETSC 3311 Environmental Testing Services Ltd.	
BH106	0.20	52	mg/kg	101	TOPSOIL	EPH >C16-21	P1385	52		DETSC 3311 Environmental Testing Services Ltd.	
BH102	0.50	37	mg/kg	220	Sandy gravelly CLAY	EPH >C16-21	P1385	37		DETSC 3311 Environmental Testing Services Ltd.	
TP122	0.40	37	mg/kg	102	MADE GROUND	EPH >C16-21	P1385	37		DETSC 3311 Environmental Testing Services Ltd.	
BH105	0.20	24	mg/kg	103	Bituminous Material	EPH >C16-21	P1385	24		DETSC 3311 Environmental Testing Services Ltd.	
BH103	0.50	14	mg/kg	103	Bituminous Material	EPH >C16-21	P1385	14		DETSC 3311 Environmental Testing Services Ltd.	
BH104	0.20	10	mg/kg	101	TOPSOIL	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
BH104	1.00	10	mg/kg	214	y sandy gravelly cobbly CL	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
BH107	1.00	10	mg/kg	102	MADE GROUND	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
BH107	2.00	10	mg/kg	230	rdy gravelly cobbly SILT/CL	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
BH108	0.50	10	mg/kg	528	Silty sandy cobbly GRAVEL	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
HP111	0.00	10	mg/kg	101	TOPSOIL	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
HP113	0.00	10	mg/kg	101	TOPSOIL	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
HP114	0.00	10	mg/kg	101	TOPSOIL	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
HP115	0.00	10	mg/kg	101	TOPSOIL	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
TP116A	0.40	10	mg/kg	102	MADE GROUND	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	
TP120	0.60	10	mg/kg	208	Silty gravelly CLAY	EPH >C16-21	P1385	< 10		DETSC 3311 Environmental Testing Services Ltd.	

Histogram, box plot, summary statistics and confidence interval



EPH >C16-21 Statistics

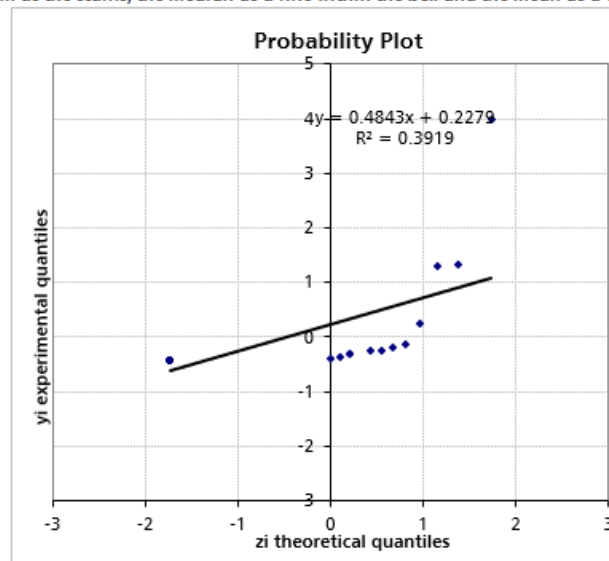
Sample number	23
Maximum	1200
Upper Quartile	66.5
Median	14
Lower Quartile	10
Minimum	10
Number exceeding	1 / 23
GAC value	980
Mean 'X'	123.3
Standard deviation	269.8
IQR	56.5
95% Confidence Interval	
26.4	220.1

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.

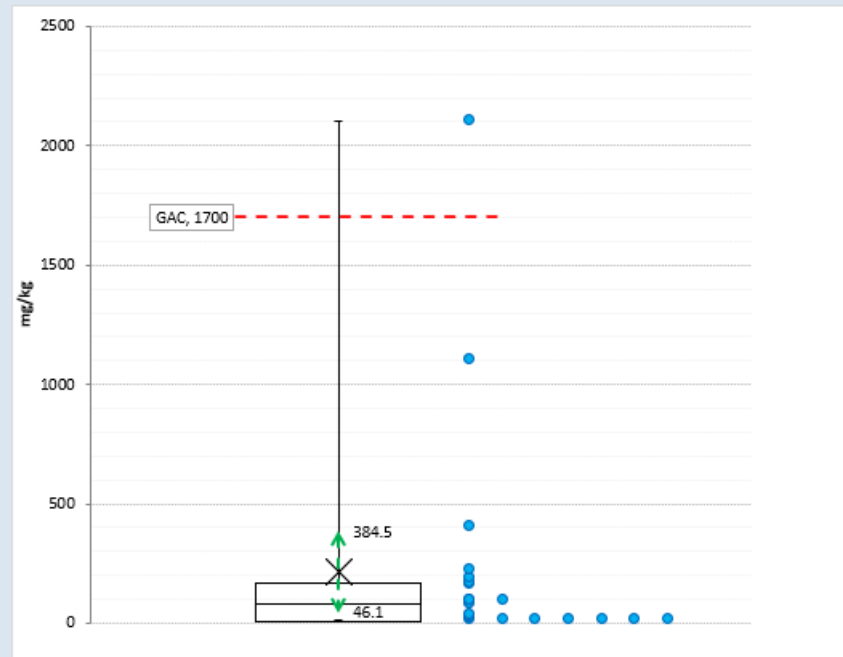
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
23	1.731664396	3.9901993
22	1.382994127	1.3220103
21	1.15034938	1.2849521
20	0.967421566	0.2473231
19	0.812217801	-0.1306704
18	0.67448975	-0.1825518
17	0.548522283	-0.2381391
16	0.430727299	-0.2640798
14	0.210428394	-0.3196671
14	0.210428394	-0.3196671
13	0.104633456	-0.3678427
12	0	-0.4049009
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242
1	-1.731664396	-0.4197242



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
BH101	0.50	2100	mg/kg	430	SAND and GRAVEL	EPH/TPH >C21-36	P1779	2100	DETSC 3311	Environmental Testing Services Ltd.	
TP110	0.20	1100	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	1100	DETSC 3311	Environmental Testing Services Ltd.	
TP103	0.30	400	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	400	DETSC 3311	Environmental Testing Services Ltd.	
BH106	0.20	220	mg/kg	101	TOPSOIL	EPH/TPH >C21-36	P1779	220	DETSC 3311	Environmental Testing Services Ltd.	
HP117E	0.00	190	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	190	DETSC 3311	Environmental Testing Services Ltd.	
TP123	0.40	170	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	170	DETSC 3311	Environmental Testing Services Ltd.	
TP103	1.50	160	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	160	DETSC 3311	Environmental Testing Services Ltd.	
BH106	0.20	93	mg/kg	101	TOPSOIL	EPH/TPH >C21-36	P1779	93	DETSC 3311	Environmental Testing Services Ltd.	
BH102	0.50	91	mg/kg	220	Sandy gravelly CLAY	EPH/TPH >C21-36	P1779	91	DETSC 3311	Environmental Testing Services Ltd.	
TP122	0.40	91	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	91	DETSC 3311	Environmental Testing Services Ltd.	
BH107	1.00	79	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	79	DETSC 3311	Environmental Testing Services Ltd.	
BH105	0.20	78	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	78	DETSC 3311	Environmental Testing Services Ltd.	
BH108	0.50	36	mg/kg	528	Silty sandy cobbly GRAVEL	EPH/TPH >C21-36	P1779	36	DETSC 3311	Environmental Testing Services Ltd.	
BH103	0.50	28	mg/kg	103	Bituminous Material	EPH/TPH >C21-36	P1779	28	DETSC 3311	Environmental Testing Services Ltd.	
HP111	0.00	26	mg/kg	101	TOPSOIL	EPH/TPH >C21-36	P1779	26	DETSC 3311	Environmental Testing Services Ltd.	
TP116A	0.40	20	mg/kg	102	MADE GROUND	EPH/TPH >C21-36	P1779	20	DETSC 3311	Environmental Testing Services Ltd.	
BH104	0.20	10	mg/kg	101	TOPSOIL	EPH/TPH >C21-36	P1779	< 10	DETSC 3311	Environmental Testing Services Ltd.	
BH104	1.00	10	mg/kg	214	y sandy gravelly cobbly CL	EPH/TPH >C21-36	P1779	< 10	DETSC 3311	Environmental Testing Services Ltd.	
BH107	2.00	10	mg/kg	230	rdy gravelly cobbly SILT/CL	EPH/TPH >C21-36	P1779	< 10	DETSC 3311	Environmental Testing Services Ltd.	
HP113	0.00	10	mg/kg	101	TOPSOIL	EPH/TPH >C21-36	P1779	< 10	DETSC 3311	Environmental Testing Services Ltd.	
HP114	0.00	10	mg/kg	101	TOPSOIL	EPH/TPH >C21-36	P1779	< 10	DETSC 3311	Environmental Testing Services Ltd.	
HP115	0.00	10	mg/kg	101	TOPSOIL	EPH/TPH >C21-36	P1779	< 10	DETSC 3311	Environmental Testing Services Ltd.	
TP120	0.60	10	mg/kg	208	Silty gravelly CLAY	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

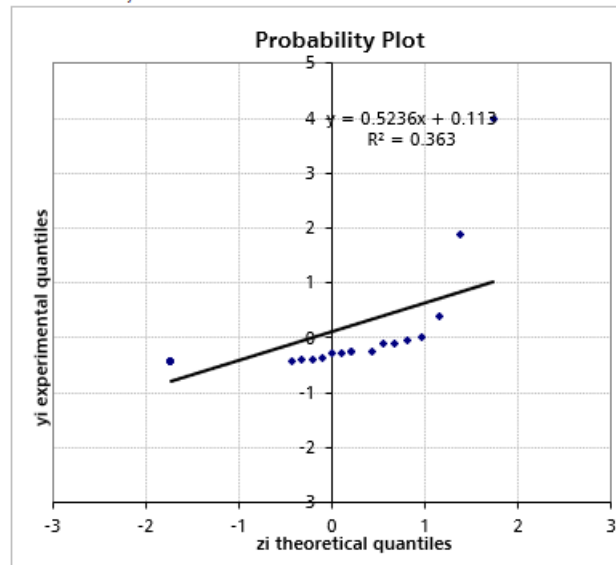
Sample number	23
Maximum	2100
Upper Quartile	165
Median	78
Lower Quartile	10
Minimum	10
Number exceeding	1 / 23
GAC value	1700
Mean 'X'	215.3
Standard deviation	471.7
IQR	155.0
95% Confidence Interval	
	46.1 384.5

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.

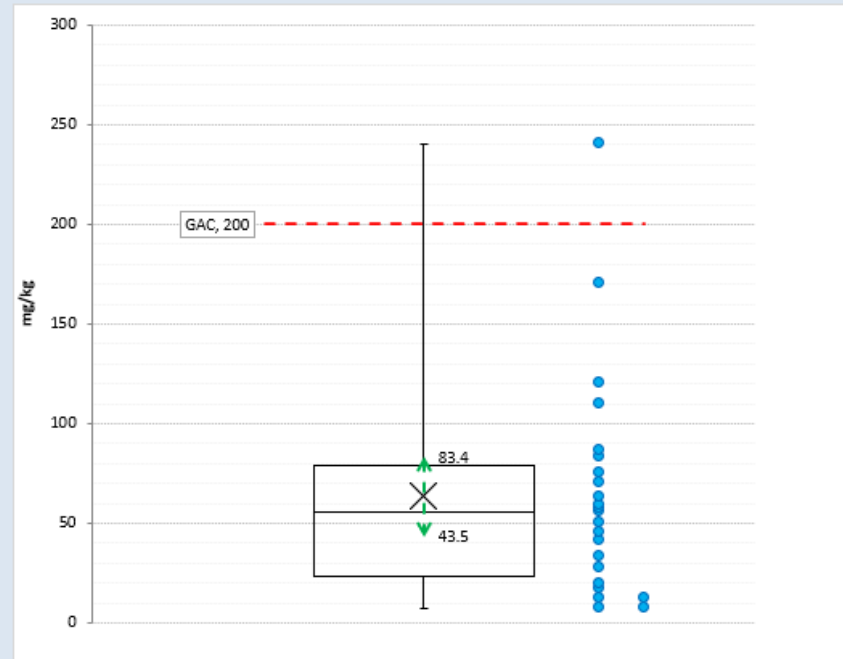
Rank	zi (theoretical quantiles - X axis)	yi (experimental quantiles - Y axis)
23	1.731664396	3.9958713
22	1.382994127	1.8757034
21	1.15034938	0.3915858
20	0.967421566	0.0099556
19	0.812217801	-0.0536495
18	0.67448975	-0.0960528
17	0.548522283	-0.1172545
16	0.430727299	-0.2593058
14	0.210428394	-0.2635461
14	0.210428394	-0.2635461
13	0.104633456	-0.2889881
12	0	-0.2911083
11	-0.104633456	-0.3801553
10	-0.210428394	-0.3971167
9	-0.318639364	-0.401357
8	-0.430727299	-0.414078
1	-1.731664396	-0.4352797
1	-1.731664396	-0.4352797
1	-1.731664396	-0.4352797
1	-1.731664396	-0.4352797
1	-1.731664396	-0.4352797
1	-1.731664396	-0.4352797
1	-1.731664396	-0.4352797



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
TP110	0.20	240	mg/kg	102	MADE GROUND	Lead	7439-92-1	240		DETSC 2301	Environmental Testing Services Ltd.
TP103	0.30	170	mg/kg	102	MADE GROUND	Lead	7439-92-1	170		DETSC 2301	Environmental Testing Services Ltd.
TP123	0.40	120	mg/kg	102	MADE GROUND	Lead	7439-92-1	120		DETSC 2301	Environmental Testing Services Ltd.
BH105	0.20	110	mg/kg	103	Bituminous Material	Lead	7439-92-1	110		DETSC 2301	Environmental Testing Services Ltd.
BH106	0.20	86	mg/kg	101	TOPSOIL	Lead	7439-92-1	86		DETSC 2301	Environmental Testing Services Ltd.
TP122	0.40	83	mg/kg	102	MADE GROUND	Lead	7439-92-1	83		DETSC 2301	Environmental Testing Services Ltd.
BH104	1.00	75	mg/kg	214	y sandy gravelly cobbly CL	Lead	7439-92-1	75		DETSC 2301	Environmental Testing Services Ltd.
BH106	0.20	70	mg/kg	101	TOPSOIL	Lead	7439-92-1	70		DETSC 2301	Environmental Testing Services Ltd.
HP117E	0.00	63	mg/kg	102	MADE GROUND	Lead	7439-92-1	63		DETSC 2301	Environmental Testing Services Ltd.
BH104	0.20	59	mg/kg	101	TOPSOIL	Lead	7439-92-1	59		DETSC 2301	Environmental Testing Services Ltd.
BH102	0.50	57	mg/kg	220	Sandy gravelly CLAY	Lead	7439-92-1	57		DETSC 2301	Environmental Testing Services Ltd.
BH101	0.50	56	mg/kg	430	SAND and GRAVEL	Lead	7439-92-1	56		DETSC 2301	Environmental Testing Services Ltd.
BH103	0.50	50	mg/kg	103	Bituminous Material	Lead	7439-92-1	50		DETSC 2301	Environmental Testing Services Ltd.
TP116A	0.40	45	mg/kg	102	MADE GROUND	Lead	7439-92-1	45		DETSC 2301	Environmental Testing Services Ltd.
HP113	0.00	41	mg/kg	101	TOPSOIL	Lead	7439-92-1	41		DETSC 2301	Environmental Testing Services Ltd.
TP103	1.50	33	mg/kg	102	MADE GROUND	Lead	7439-92-1	33		DETSC 2301	Environmental Testing Services Ltd.
BH107	1.00	27	mg/kg	102	MADE GROUND	Lead	7439-92-1	27		DETSC 2301	Environmental Testing Services Ltd.
HP111	0.00	19	mg/kg	101	TOPSOIL	Lead	7439-92-1	19		DETSC 2301	Environmental Testing Services Ltd.
HP115	0.00	17	mg/kg	101	TOPSOIL	Lead	7439-92-1	17		DETSC 2301	Environmental Testing Services Ltd.
BH108	0.50	12	mg/kg	528	Silty sandy cobbly GRAVEL	Lead	7439-92-1	12		DETSC 2301	Environmental Testing Services Ltd.
TP120	0.60	12	mg/kg	208	Silty gravelly CLAY	Lead	7439-92-1	12		DETSC 2301	Environmental Testing Services Ltd.
HP114	0.00	7	mg/kg	101	TOPSOIL	Lead	7439-92-1	7		DETSC 2301	Environmental Testing Services Ltd.
BH107	2.00	6.9	mg/kg	230	rdy gravelly cobbly SILT/CL	Lead	7439-92-1	6.9		DETSC 2301	Environmental Testing Services Ltd.

Histogram, box plot, summary statistics and confidence interval



Lead Statistics

Sample number	23
Maximum	240
Upper Quartile	79
Median	56
Lower Quartile	23
Minimum	6.900000095
Number exceeding	1 / 23
GAC value	200
Mean 'X'	63.4
Standard deviation	55.7
IQR	56.0
95% Confidence Interval	
	43.5 83.4

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)
23	1.731664396	3.1720983
22	1.382994127	1.9145379
21	1.15034938	1.0162806
20	0.967421566	0.8366291
19	0.812217801	0.4054656
18	0.67448975	0.3515701
17	0.548522283	0.2078489
16	0.430727299	0.1180232
15	0.318639364	-0.0077328
14	0.210428394	-0.0795934
13	0.104633456	-0.1155237
12	0	-0.1334889
11	-0.104633456	-0.2412797
10	-0.210428394	-0.3311055
9	-0.318639364	-0.4029661
8	-0.430727299	-0.5466872
7	-0.548522283	-0.6544781
6	-0.67448975	-0.7981993
5	-0.812217801	-0.8341296
3	-1.15034938	-0.9239553
3	-1.15034938	-0.9239553
2	-1.382994127	-1.0137811
1	-1.731664396	-1.0155776

