

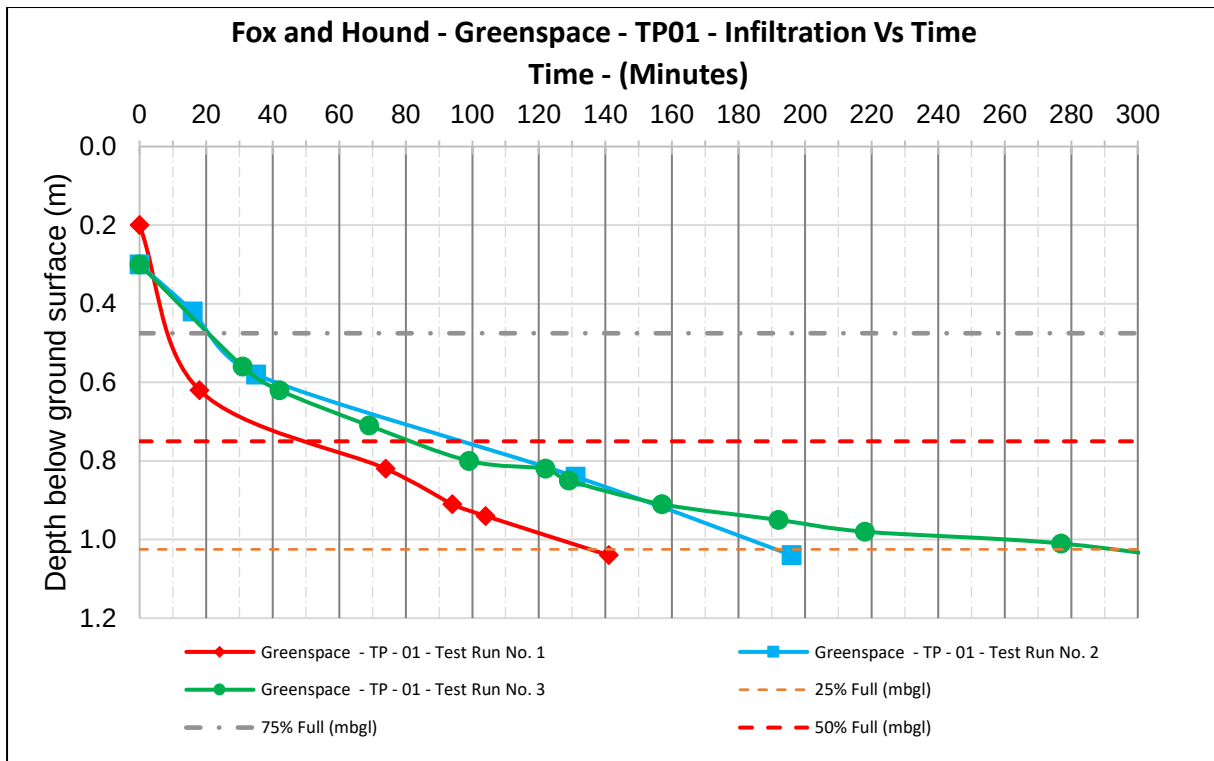
11.3 Appendix 2.1– Site Investigation

11.3.1 Site Investigation Photos





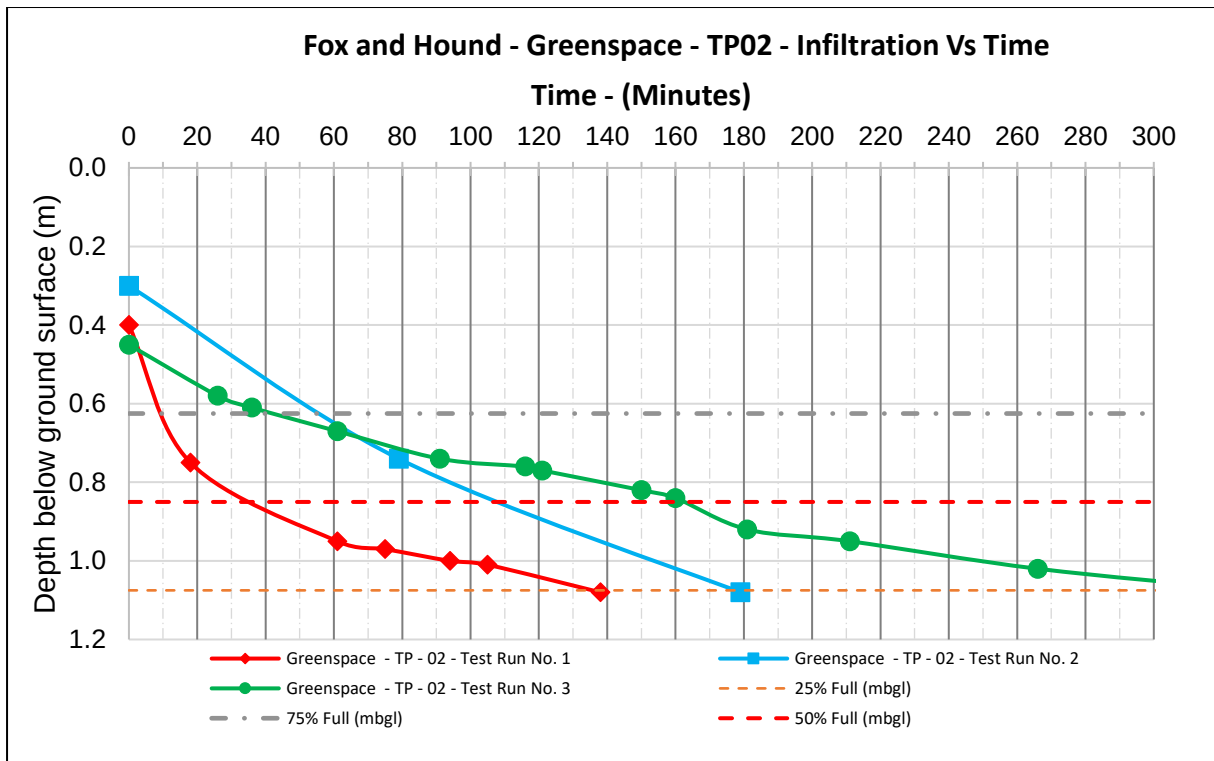
11.3.2 Infiltration Testing Graph (TP01)



11.3.3 Infiltration Data and Results (TP01)

Greenspace - TP - 01 - Test Run No. 1									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
1.1	0.2	0.00	0	0	0 0:00	11:46:00	1.025	0.75	0.475
0.68	0.6	0.30	18	1080.00	0:18	12:04:00	1.025	0.75	0.475
0.48	0.8	1.23	74	4440.00	1:14	13:00:00	1.025	0.75	0.475
0.39	0.9	1.57	94	5640.00	1:34	13:20:00	1.025	0.75	0.475
0.36	0.9	1.73	104	6240.00	1:44	13:30:00	1.025	0.75	0.475
0.26	1.0	2.35	141	8460.00	2:21	14:07:00	1.025	0.75	0.475
Reached 25% within 24 hours. Second run undertaken.									
Greenspace - TP - 01 - Test Run No. 2									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
1	0.3	0.00	0	0	0 0:00	14:19:00	1.025	0.75	0.475
0.88	0.4	0.27	16	960.00	0:16	14:35:00	1.025	0.75	0.475
0.72	0.6	0.58	35	2100.00	0:35	14:54:00	1.025	0.75	0.475
0.46	0.8	2.18	131	7860.00	2:11	16:30:00	1.025	0.75	0.475
0.26	1.0	3.27	196	11760.00	3:16	17:35:00	1.025	0.75	0.475
Reached 25% within 24 hours. Second run undertaken.									
Greenspace - TP - 01 - Test Run No. 3									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
1	0.3	0.00	0	0	0 0:00	09:13:00	1.025	0.75	0.475
0.74	0.6	0.52	31	1860.00	0:31	09:44:00	1.025	0.75	0.475
0.68	0.6	0.70	42	2520.00	0:42	09:55:00	1.025	0.75	0.475
0.59	0.7	1.15	69	4140.00	1:09	10:22:00	1.025	0.75	0.475
0.5	0.8	1.65	99	5940.00	1:39	10:52:00	1.025	0.75	0.475
0.48	0.8	2.03	122	7320.00	2:02	11:15:00	1.025	0.75	0.475
0.45	0.9	2.15	129	7740.00	2:09	11:22:00	1.025	0.75	0.475
0.39	0.9	2.62	157	9420.00	2:37	11:50:00	1.025	0.75	0.475
0.35	1.0	3.20	192	11520.00	3:12	12:25:00	1.025	0.75	0.475
0.32	1.0	3.63	218	13080.00	3:38	12:51:00	1.025	0.75	0.475
0.29	1.0	4.62	277	16620.00	4:37	13:50:00	1.025	0.75	0.475
0.23	1.1	5.53	332	19920.00	5:32	14:45:00	1.025	0.75	0.475

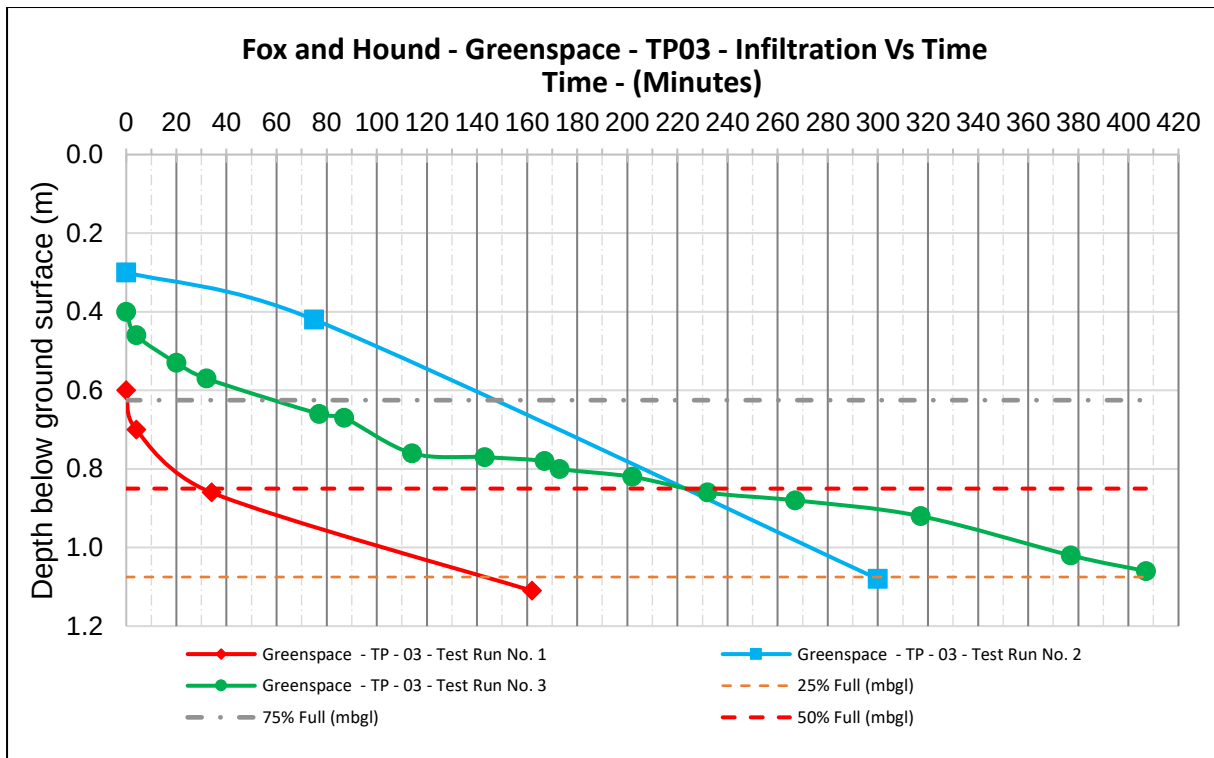
11.3.4 Infiltration Testing Graph (TP02)



11.3.5 Infiltration Data and Results (TP02)

Greenspace - TP - 02 - Test Run No. 1									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	0.9	0.4	0.00	0	0 0:00	13:07:00	1.075	0.85	0.625
	0.55	0.8	0.30	18	1080.00 0:18	13:25:00	1.075	0.85	0.625
	0.35	1.0	1.02	61	3660.00 1:01	14:08:00	1.075	0.85	0.625
	0.33	1.0	1.25	75	4500.00 1:15	14:22:00	1.075	0.85	0.625
	0.3	1.0	1.57	94	5640.00 1:34	14:41:00	1.075	0.85	0.625
	0.29	1.0	1.75	105	6300.00 1:45	14:52:00	1.075	0.85	0.625
	0.22	1.1	2.30	138	8280.00 2:18	15:25:00	1.075	0.85	0.625
Reached 25% within 24 hours. Second run undertaken.									
Greenspace - TP - 02 - Test Run No. 2									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	1	0.3	0.00	0	0 0:00	15:09:00	1.075	0.85	0.625
	0.56	0.7	1.32	79	4740.00 1:19	16:28:00	1.075	0.85	0.625
	0.22	1.1	2.98	179	10740 2:59	18:08:00	1.075	0.85	0.625
Reached 25% within 24 hours. Second run undertaken.									
Greenspace - TP - 02 - Test Run No. 3									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	0.85	0.5	0.00	0	0 0:00	09:19:00	1.075	0.85	0.625
	0.72	0.6	0.43	26	1560.00 0:26	09:45:00	1.075	0.85	0.625
	0.69	0.6	0.60	36	2160.00 0:36	09:55:00	1.075	0.85	0.625
	0.63	0.7	1.02	61	3660.00 1:01	10:20:00	1.075	0.85	0.625
	0.56	0.7	1.52	91	5460.00 1:31	10:50:00	1.075	0.85	0.625
	0.54	0.8	1.93	116	6960.00 1:56	11:15:00	1.075	0.85	0.625
	0.53	0.8	2.02	121	7260.00 2:01	11:20:00	1.075	0.85	0.625
	0.48	0.8	2.50	150	9000.00 2:30	11:49:00	1.075	0.85	0.625
	0.46	0.8	2.67	160	9600.00 2:40	11:59:00	1.075	0.85	0.625
	0.38	0.9	3.02	181	10860.00 3:01	12:20:00	1.075	0.85	0.625
	0.35	1.0	3.52	211	12660.00 3:31	12:50:00	1.075	0.85	0.625
	0.28	1.0	4.43	266	15960.00 4:26	13:45:00	1.075	0.85	0.625
	0.23	1.1	5.43	326	19560.00 5:26	14:45:00	1.075	0.85	0.625
	0.22	1.1	5.93	356	21360.00 5:56	15:15:00	1.075	0.85	0.625

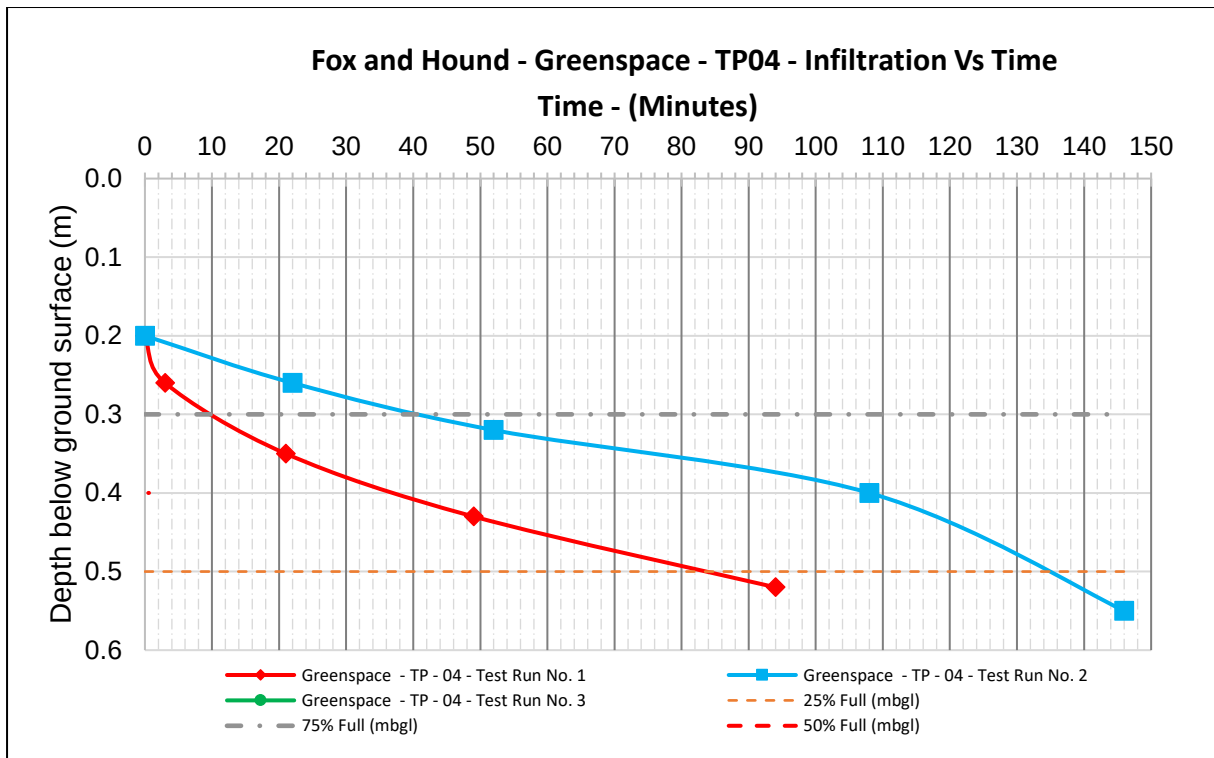
11.3.6 Infiltration Testing Graph (TP03)



11.3.7 Infiltration Data and Results (TP03)

Greenspace - TP - 03 - Test Run No. 1									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	0.7	0.6	0.00	0	0 0:00	13:26:00	1.075	0.85	0.625
	0.6	0.7	0.07	4	240.00 0:04	13:30:00	1.075	0.85	0.625
	0.44	0.9	0.57	34	2040.00 0:34	14:00:00	1.075	0.85	0.625
	0.19	1.1	2.70	162	9720.00 2:42	16:08:00	1.075	0.85	0.625
Reached 25% within 24 hours. Second run undertaken.									
Greenspace - TP - 03 - Test Run No. 2									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	1	0.3	0.00	0	0 0:00	13:13:00	1.075	0.85	0.625
	0.88	0.4	1.25	75	4500.00 1:15	14:28:00	1.075	0.85	0.625
	0.22	1.1	5.00	300	18000 5:00	18:13:00	1.075	0.85	0.625
Reached 25% within 24 hours. Second run undertaken.									
Greenspace - TP - 03 - Test Run No. 3									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	0.9	0.4	0.00	0	0 0:00	08:28:00	1.075	0.85	0.625
	0.84	0.5	0.07	4	240.00 0:04	08:32:00	1.075	0.85	0.625
	0.77	0.6	0.33	20	1200.00 0:20	08:48:00	1.075	0.85	0.625
	0.73	0.7	0.53	32	1920.00 0:32	09:00:00	1.075	0.85	0.625
	0.64	0.8	1.28	77	4620.00 1:17	09:45:00	1.075	0.85	0.625
	0.6	0.9	1.45	87	5220.00 1:27	09:55:00	1.075	0.85	0.625
	0.54	1.0	1.90	114	6840.00 1:54	10:22:00	1.075	0.85	0.625
	0.53	1.1	2.38	143	8580.00 2:23	10:51:00	1.075	0.85	0.625
	0.52	1.2	2.78	167	10020.00 2:47	11:15:00	1.075	0.85	0.625
	0.5	1.3	2.88	173	10380.00 2:53	11:21:00	1.075	0.85	0.625
	0.48	1.4	3.37	202	12120.00 3:22	11:50:00	1.075	0.85	0.625
	0.44	1.5	3.87	232	13920.00 3:52	12:20:00	1.075	0.85	0.625
	0.42	1.6	4.45	267	16020.00 4:27	12:55:00	1.075	0.85	0.625
	0.38	1.7	5.28	317	19020.00 5:17	13:45:00	1.075	0.85	0.625
	0.28	1.8	6.28	377	22620.00 6:17	14:45:00	1.075	0.85	0.625
	0.24	1.9	6.78	407	24420.00 6:47	15:15:00	1.075	0.85	0.625

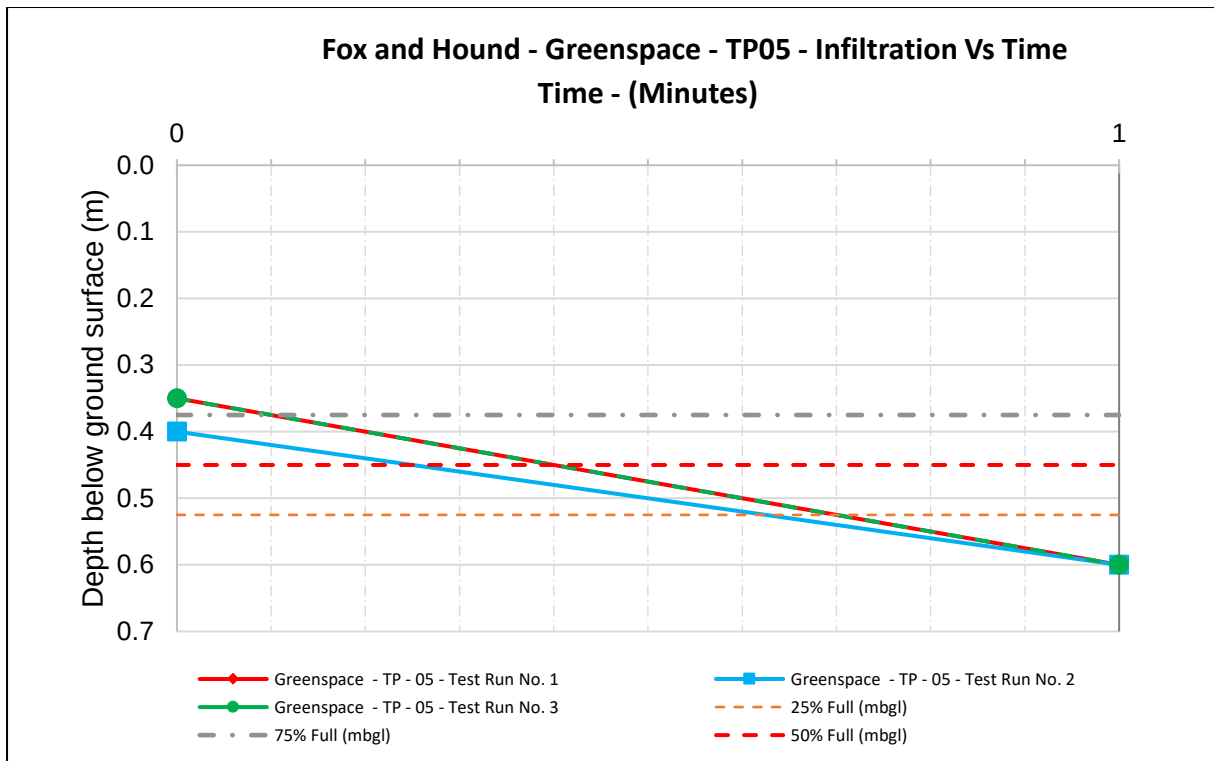
11.3.8 Infiltration Testing Graph (TP04)



11.3.9 Infiltration Data and Results (TP04)

Greenspace - TP - 04 - Test Run No. 1									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	0.4	0.2	0.00	0	0 0:00	10:26:00	0.5	0.40	0.3
	0.34	0.3	0.05	3	180.00 0:03	10:29:00	0.5	0.40	0.3
	0.25	0.4	0.35	21	1260.00 0:21	10:47:00	0.5	0.40	0.3
	0.17	0.4	0.82	49	2940.00 0:49	11:15:00	0.5	0.40	0.3
	0.08	0.5	1.57	94	5640.00 1:34	12:00:00	0.5	0.40	0.3
Reached 25% within 24 hours. Second run undertaken.									
Greenspace - TP - 04 - Test Run No. 2									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	0.4	0.2	0.00	0	0 0:00	12:04:00	0.5	0.40	0.3
	0.34	0.3	0.37	22	1320.00 0:22	12:26:00	0.5	0.40	0.3
	0.28	0.3	0.87	52	3120 0:52	12:56:00	0.5	0.40	0.3
	0.2	0.4	1.80	108	6480.00 1:48	13:52:00	0.5	0.40	0.3
	0.05	0.6	2.43	146	8760 2:26	14:30:00	0.5	0.40	0.3
Reached 25% within 24 hours. Second run undertaken.									

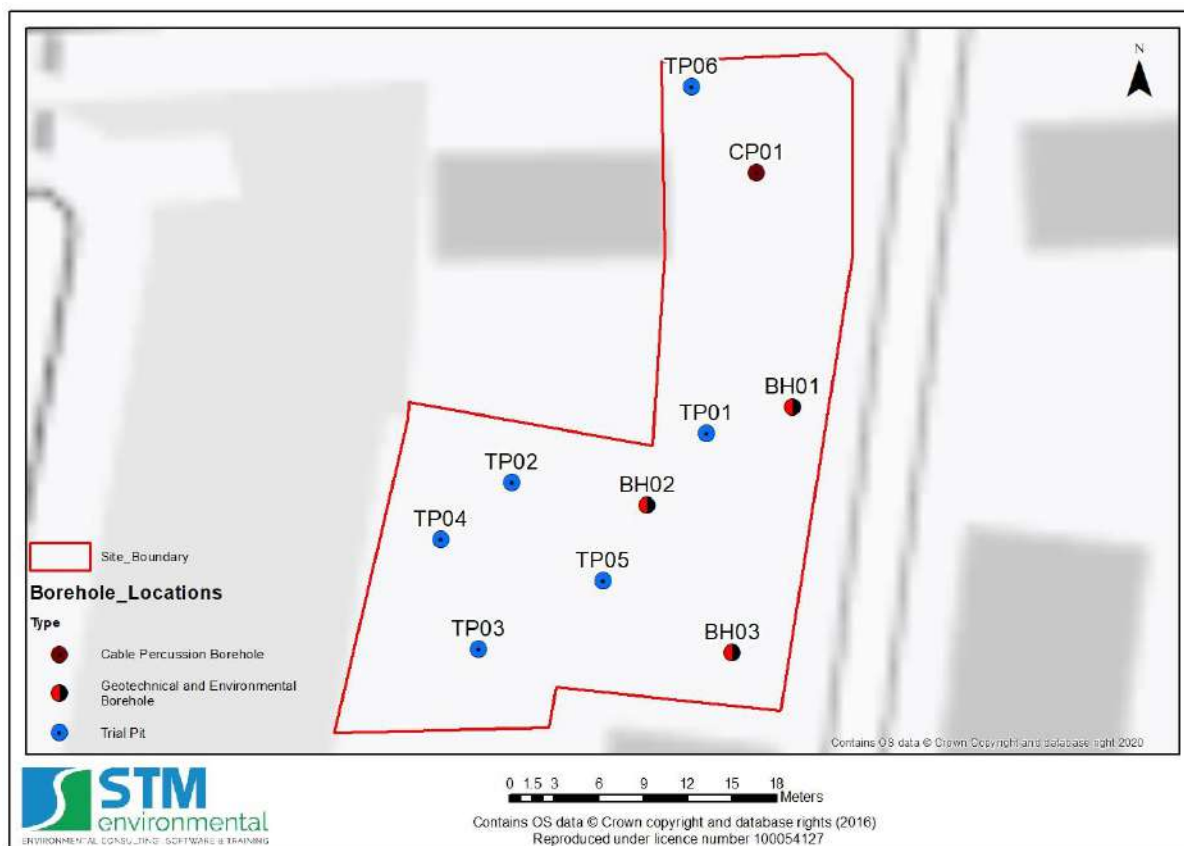
11.3.10 Infiltration Testing Graph (TP05)



11.3.11 Infiltration Data and Results (TP05)

Greenspace - TP - 05 - Test Run No. 1									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	0.25	0.4	0.00	0	0 0:00	12:01:00	0.525	0.45	0.375
	0	0.6	0.02	1	60.00 0:01	12:02:00	0.525	0.45	0.375
Reached 25% within 24 hours. Second run undertaken.									
Greenspace - TP - 05 - Test Run No. 2									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	0.2	0.4	0.00	0	0 0:00	10:14:00	0.525	0.45	0.375
	0	0.6	0.02	1	60.00 0:01	10:15:00	0.525	0.45	0.375
Reached 25% within 24 hours. Second run undertaken.									
Greenspace - TP - 05 - Test Run No. 3									
Insert time according to the measured units									
Dip Reading	Water Level Above Base	Depth (mbgl)	Time (hours)	Time (minutes)	Time (s)	Time	25% Full (mbgl)	50% Full (mbgl)	75% Full (mbgl)
	0.25	0.4	0.00	0	0 0:00	10:18:00	0.525	0.45	0.375
	0	0.6	0.02	1	60.00 0:01	10:19:00	0.525	0.45	0.375

11.3.12 Borehole and Trial Pit Location Map



11.3.13 Laboratory Analysis – Contamination

PDF to follow this page.

Certificate of Analysis

Client: STM Environmental Consultants

Project: 24050904

Quote: BEC240233964 V3.1

Project Ref: Former Fox and Hounds Public H

Site: Former Fox and Hounds Public House

Contact: Parminder Bhatia

Address: Unit 6, Crane Mews
32 Gould Road
Twickenham
London
TW2 6RS

E-Mail: Parminder@stmenvironmental.co.uk

Phone: 07760 469 516

No. Samples Received: 12

Date Received: 09/05/2024

Analysis Completed: 30/05/2024

Date Issued: 30/05/2024

Report Type: Version 01

This report supersedes any versions previously issued by the laboratory



Reported by Customer Service Co-Ordinator
Samantha Edwards
01283 554 541
Samantha.Edwards@socotec.co.uk

**Project Number: 24050904****Client:** STM Environmental Consultants**Date Issued:** 30/05/2024**Project Name:** Former Fox and Hounds Public H - Former Fox and Hounds Public House**Samples Analysed**

<u>Text ID</u>	<u>Sample Reference</u>	<u>Sampling Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
24050904-001	BH01/1-0-ES-0.30-0.30	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-002	BH01/2-0-ES-0.80-0.80	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-003	BH02/1-0-ES-0.20-0.20	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-004	BH02/2-0-ES-0.90-0.90	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-005	BH03/1-0-ES-0.30-0.30	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-006	TP01/1-0-ES-0.30-0.30	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-007	TP02/1-0-ES-0.40-0.40	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-008	TP03/1-0-ES-0.30-0.30	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-009	TP04/1-0-ES-0.70-0.70	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-010	TP05/1-0-ES-0.40-0.40	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-011	TP06/1-0-ES-0.30-0.30	01/05/2024 10:00:00	SOLID	Silt Sample
24050904-012	TP06/2-0-ES-0.80-0.80	01/05/2024 10:00:00	SOLID	Silt Sample

Analysis Results

SOCOTEC Sample ID:				24050904-001	24050904-002	24050904-003	24050904-004	24050904-005
Sampling Date:				01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00
Customer ID:				BH01/1-0-ES-0.30-0.	BH01/2-0-ES-0.80-0.	BH02/1-0-ES-0.20-0.	BH02/2-0-ES-0.90-0.	BH03/1-0-ES-0.30-0.
Method Code	Analysis	MDL	Accred.	30	80	20	90	30
CLANDPREP	Total Moisture at 35°C	0.1 %	N	15.0	10.6	15.0	14.0	18.8
	Major Constituents	-	N	SILT	SILT	SILT	SILT	SILT
	Minor Constituents	-	N	Gravel	Gravel	Gravel	Gravel	Gravel
	Miscellaneous Constituents	-	N	Miscellaneous	Miscellaneous	Miscellaneous	Miscellaneous	Miscellaneous
	Colour of Material	-	N	Brown	Brown	Brown	Brown	Brown
SUB002	Asbestos Identification	-	N	AM	CH	NAIIS	CH	NAIIS
SUB002	Asbestos Stage 2	0.001 %	N	<0.001	<0.001		<0.001	
PHSOIL	pH (2.5:1 extraction)	1 pH units	M^A	8.6	8.8	9.3	9.2	8.6
WSLM59	Total Organic Carbon	0.02 % m/m	U^A	3.97	1.95	2.90	2.83	16.3
SFAPI	Total Cyanide	0.5 mg/kg	M^A	<0.6	<0.6	<0.6	<0.6	<0.6
SFAPI	Phenol Index	0.5 mg/kg	U^A	<0.6	<0.6	<0.6	<0.6	0.7
SFAPI	Sulphide as S	0.5 mg/kg	N^A	<0.6	<0.6	<0.6	<0.6	<0.6
ICPACIDS	Acid Soluble Sulphate as SO4	20 mg/kg	M^A	1210	954	957	792	1500
ICPMSS	Arsenic as As	0.3 mg/kg	M^A	16.3	18.6	16.3	14.1	67.8
ICPMSS	Cadmium as Cd	0.2 mg/kg	M^A	0.9	0.5	0.8	0.7	1.0
ICPMSS	Total Chromium as Cr	1.2 mg/kg	M^A	25.8	21.8	23.4	24.5	26.9
ICPMSS	Copper as Cu	1.6 mg/kg	M^A	150.6	41.9	54.8	36.6	539.9
ICPMSS	Lead as Pb	0.7 mg/kg	M^A	686.3	310.2	222.5	155.3	1571
ICPMSS	Mercury as Hg	0.5 mg/kg	M^A	0.6	0.8	<0.5	<0.5	1.5
ICPMSS	Nickel as Ni	2 mg/kg	M^A	31.6	34.2	32.2	31.3	45.7
ICPMSS	Selenium as Se	0.5 mg/kg	M^A	<0.5	<0.5	<0.5	<0.5	<0.5
ICPMSS	Zinc as Zn	16 mg/kg	M^A	482.0	147.8	267.2	211.0	673.1
ICPBOR	Boron as B	0.5 mg/kg	M^A	1.2	1.2	2.8	2.3	1.1
BTEXHSA	Benzene (HS_1D_AR)	10 µg/kg	M^A	<12		<12		<12
	Toluene (HS_1D_AR)	10 µg/kg	M^A	<12		<12		<12
	Ethylbenzene (HS_1D_AR)	10 µg/kg	M^A	<12		<12		<12
	m/p-Xylene (HS_1D_AR)	20 µg/kg	M^A	<24		<24		<25
	o-Xylene (HS_1D_AR)	10 µg/kg	M^A	<12		<12		<12
TPHFIDUS	>C10-C40 (EH_1D_Total)	10 mg/kg	U^A		101		207	
GROHSA/BTEXHSA	Total GRO C5-C10 (HS_1D_Total)	0.2 mg/kg	M^A	<0.235		<0.235		<0.246
	C5-C6 Aliphatic (HS_1D_AL)	0.2 mg/kg	M^A	<0.235		<0.235		<0.246
	>C6-C8 Aliphatic (HS_1D_AL)	0.2 mg/kg	M^A	<0.235		<0.235		<0.246
	>C8-C10 Aliphatic (HS_1D_AL)	0.2 mg/kg	M^A	<0.235		<0.235		<0.246
	C5-C7 Aromatic (HS_1D_AR)	0.01 mg/kg	M^A	<0.012		<0.012		<0.012
	>C7-C8 Aromatic (HS_1D_AR)	0.01 mg/kg	M^A	<0.012		<0.012		<0.012
TPHFIDUS (Aliphatic)	>C8-C10 Aromatic (HS_1D_AR)	0.04 mg/kg	M^A	<0.048		<0.048		<0.049
	Total TPH >C8-C40 (Aliphatic) (EH_CU_1D_AL)	20 mg/kg	U^A	44.0		<23.5		<24.6
	>C10-C12 (Aliphatic) (EH_CU_1D_AL)	4 mg/kg	U^A	<4.71		<4.71		<4.93
	>C12-C16 (Aliphatic) (EH_CU_1D_AL)	4 mg/kg	U^A	4.71		<4.71		<4.93
	>C16-C21 (Aliphatic) (EH_CU_1D_AL)	4 mg/kg	U^A	5.36* a		<4.71* a		5.82* a
	>C21-C35 (Aliphatic) (EH_CU_1D_AL)	10 mg/kg	U^A	26.6		<11.8		<12.3
	>C35-C44 (Aliphatic) (EH_CU_1D_AL)	6 mg/kg	N^A	10.2		<7.06		<7.39
TPHFIDUS (Aromatic)	Total TPH >C8-C40 (Aromatic) (EH_CU_1D_AR)	20 mg/kg	U^A	141		53.8		805
	>C10-C12 (Aromatic) (EH_CU_1D_AR)	4 mg/kg	U^A	10.4		8.50		9.79
	>C12-C16 (Aromatic) (EH_CU_1D_AR)	4 mg/kg	U^A	20.7		17.2		34.1
	>C16-C21 (Aromatic) (EH_CU_1D_AR)	4 mg/kg	U^A	18.2		12.5		190
	>C21-C35 (Aromatic) (EH_CU_1D_AR)	10 mg/kg	U^A	88.9		15.4		558
	>C35-C44 (Aromatic) (EH_CU_1D_AR)	6 mg/kg	N^A	<7.06		<7.06		17.9
	Acenaphthene	0.08 mg/kg	M^A	0.10	<0.09	<0.09	0.26	0.62
PAHMSUS	Acenaphthylene	0.08 mg/kg	U^A	0.16	<0.09	<0.09	0.11	1.88
	Anthracene	0.08 mg/kg	U^A	0.32	0.11	<0.09	0.49	5.27
	Benzo[a]anthracene	0.08 mg/kg	M^A	2.08	0.64	0.17	1.87	21.5
	Benzo[a]pyrene	0.08 mg/kg	M^A	2.36	0.74	0.21	2.08	17.6
	Benzo[b]fluoranthene	0.08 mg/kg	M^A	3.21	0.98	0.29	2.65	24.1
	Benzo[g,h,i]perylene	0.08 mg/kg	M^A	1.31	0.45	0.14	1.22	7.06
	Benzo[k]fluoranthene	0.08 mg/kg	M^A	1.18	0.39	0.11	0.99	9.17
	Chrysene	0.08 mg/kg	M^A	1.91	0.67	0.20	1.71	18.4
	Dibenzo[a,h]anthracene	0.08 mg/kg	M^A	0.34	0.12	<0.09	0.30	2.58
	Fluoranthene	0.08 mg/kg	M^A	4.53	1.42	0.37	4.47	57.9
	Fluorene	0.08 mg/kg	M^A	<0.09	<0.09	<0.09	0.15	2.79
	Indeno[1,2,3-cd]pyrene	0.08 mg/kg	M^A	1.41	0.48	0.15	1.31	8.55
	Naphthalene	0.08 mg/kg	M^A	0.19	<0.09	<0.09	0.17	0.64
	Phenanthrene	0.08 mg/kg	M^A	1.89	0.63	0.19	2.40	46.3
	Pyrene	0.08 mg/kg	M^A	3.63	1.13	0.31	3.71	46.5
Total PAH 16	1.28 mg/kg	U^A	24.7	8.12	2.70	23.9	277	
SVOCSW	1,2,4-Trichlorobenzene	0.1 mg/kg	N^A	<0.1				
	1,2-Dichlorobenzene	0.1 mg/kg	U^A	<0.1				
	1,3-Dichlorobenzene	0.1 mg/kg	U^A	<0.1				
	1,4-Dichlorobenzene	0.1 mg/kg	U^A	<0.1				
	1-Methylnaphthalene	0.1 mg/kg	U^A	0.2				
	2,4,5-Trichlorophenol	0.1 mg/kg	U^A	<0.1				
	2,4,6-Trichlorophenol	0.1 mg/kg	U^A	<0.1				
	2,4-Dichlorophenol	0.1 mg/kg	U^A	<0.1				
	2,4-Dimethylphenol	0.1 mg/kg	U^A	<0.1				
	2,4-Dinitrophenol	0.5 mg/kg	N^A	<0.6				
	2,4-Dinitrotoluene	0.2 mg/kg	U^A	<0.2				
	2,6-Dinitrotoluene	0.5 mg/kg	U^A	<0.6				
	2-Chloronaphthalene	0.1 mg/kg	U^A	<0.1				
	2-Chlorophenol	0.1 mg/kg	U^A	<0.1				
	2-Methylnaphthalene	0.1 mg/kg	U^A	0.2				
	2-Methylphenol	0.1 mg/kg	U^A	<0.1				
	2-Nitroaniline	0.5 mg/kg	N^A	<0.6				

Analysis Results

SOCOTEC Sample ID:	24050904-001	24050904-002	24050904-003	24050904-004	24050904-005
Sampling Date:	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00
Customer ID:	BH01/1-0-ES-0.30-0.	BH01/2-0-ES-0.80-0.	BH02/1-0-ES-0.20-0.	BH02/2-0-ES-0.90-0.	BH03/1-0-ES-0.30-0.
MDL	30	80	20	90	30
Accred.	U ^A	U ^A	U ^A	U ^A	U ^A

Method Code	Analysis	MDL	Accred.	24050904-001	24050904-002	24050904-003	24050904-004	24050904-005
SVOCSW	2-Nitrophenol	0.1 mg/kg	U ^A	<0.1				
	3- & 4-Methylphenol	0.1 mg/kg	U ^A	<0.1				
	3-Nitroaniline	0.5 mg/kg	N ^A	<0.6				
	4,6-Dinitro-2-methylphenol	0.2 mg/kg	N ^A	<0.2				
	4-Bromophenyl-phenylether	0.1 mg/kg	U ^A	<0.1				
	4-Chloro-3-methylphenol	0.1 mg/kg	U ^A	<0.1				
	4-Chloroaniline	0.5 mg/kg	N ^A	<0.6				
	4-Chlorophenol	0.5 mg/kg	U ^A	<0.6				
	4-Chlorophenyl-phenylether	0.1 mg/kg	U ^A	<0.1				
	4-Nitroaniline	0.6 mg/kg	N ^A	<0.7				
	4-Nitrophenol	0.5 mg/kg	N ^A	<0.6				
	Acenaphthene	0.1 mg/kg	U ^A	<0.1				
	Acenaphthylene	0.1 mg/kg	U ^A	<0.1				
	Anthracene	0.1 mg/kg	U ^A	0.2				
	Azobenzene	0.3 mg/kg	N ^A	<0.4				
	Benzo[a]anthracene	0.2 mg/kg	U ^A	1.1				
	Benzo[a]pyrene	0.2 mg/kg	U ^A	1.1				
	Benzo[b]fluoranthene	0.2 mg/kg	U ^A	1.5				
	Benzo[g,h,i]perylene	0.5 mg/kg	U ^A	0.7				
	Benzo[k]fluoranthene	0.2 mg/kg	U ^A	0.5				
	Benzoic Acid	0.5 mg/kg	N ^A	<0.6				
	Benzyl alcohol	0.5 mg/kg	U ^A	<0.6				
	Biphenyl	0.1 mg/kg	U ^A	<0.1				
	bis(2-Chloroethoxy)methane	0.1 mg/kg	U ^A	<0.1				
	bis(2-Chloroethyl)ether	0.1 mg/kg	U ^A	<0.1				
	bis(2-Chloroisopropyl)ether	0.5 mg/kg	U ^A	<0.6				
	bis(2-Ethylhexyl)phthalate	0.2 mg/kg	U ^A	<0.2				
	Butylbenzylphthalate	0.2 mg/kg	U ^A	<0.2				
	Carbazole	0.3 mg/kg	N ^A	<0.4				
	Chrysene	0.2 mg/kg	U ^A	1.1				
	Coronene	0.3 mg/kg	N ^A	<0.4				
	Dibenzo[a,h]anthracene	0.5 mg/kg	U ^A	<0.6				
	Dibenzofuran	0.1 mg/kg	U ^A	<0.1				
	Diethylphthalate	0.1 mg/kg	U ^A	<0.1				
	Dimethylphthalate	0.1 mg/kg	U ^A	<0.1				
	DI-n-butylphthalate	0.1 mg/kg	U ^A	<0.1				
	DI-n-octylphthalate	0.2 mg/kg	U ^A	<0.2				
	Diphenyl ether	0.1 mg/kg	U ^A	<0.1				
	Fluoranthene	0.2 mg/kg	U ^A	1.9				
	Fluorene	0.2 mg/kg	U ^A	<0.2				
	Hexachlorobenzene	0.1 mg/kg	U ^A	<0.1				
	Hexachlorobutadiene	0.1 mg/kg	N ^A	<0.1				
	Hexachlorocyclopentadiene	0.1 mg/kg	N ^A	<0.1				
	Hexachloroethane	0.1 mg/kg	U ^A	<0.1				
	Indeno[1,2,3-cd]pyrene	0.5 mg/kg	U ^A	0.9				
	Isophorone	0.1 mg/kg	N ^A	<0.1				
	Naphthalene	0.1 mg/kg	U ^A	0.2				
	Nitrobenzene	0.5 mg/kg	U ^A	<0.6				
	N-Nitroso-di-n-propylamine	0.9 mg/kg	N ^A	<1.1				
	N-Nitrosodiphenylamine	0.1 mg/kg	N ^A	<0.1				
	Pentachlorophenol	0.5 mg/kg	N ^A	<0.6				
	Phenanthrene	0.1 mg/kg	U ^A	0.8				
	Phenol	0.1 mg/kg	U ^A	<0.1				
	Pyrene	0.2 mg/kg	U ^A	1.3				

Analysis Results

SOCOTEC Sample ID:				24050904-006	24050904-007	24050904-008	24050904-009	24050904-010
Sampling Date:				01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00
Customer ID:				TP01/1-0-ES-0.30-0.	TP02/1-0-ES-0.40-0.	TP03/1-0-ES-0.30-0.	TP04/1-0-ES-0.70-0.	TP05/1-0-ES-0.40-0.
Method Code	Analysis	MDL	Accred.	30	40	30	70	40
CLANDPREP	Total Moisture at 35°C	0.1 %	N	11.5	9.5	12.0	12.0	9.7
	Major Constituents	-	N	SILT	SILT	SILT	SILT	SILT
	Minor Constituents	-	N	Gravel	Gravel	Gravel	Gravel	Gravel
	Miscellaneous Constituents	-	N	n/a	n/a	n/a	n/a	n/a
	Colour of Material	-	N	Brown	Brown	Brown	Brown	Brown
SUB002	Asbestos Identification	-	N	NAIS	NAIS	NAIS	NAIS	NAIS
PHSOIL	pH (2.5:1 extraction)	1 pH units	M ^A	8.5	8.8	8.4	8.5	8.3
WSLM59	Total Organic Carbon	0.02 % m/m	U ^A	0.71	0.87	1.32	0.84	1.02
SFAPI	Total Cyanide	0.5 mg/kg	M ^A	<0.6	<0.6	<0.6	<0.6	<0.6
SFAPI	Phenol Index	0.5 mg/kg	U ^A	<0.6	<0.6	<0.6	<0.6	<0.6
SFAPI	Sulphide as S	0.5 mg/kg	N ^A	<0.6	<0.6	<0.6	<0.6	<0.6
ICPACIDS	Acid Soluble Sulphate as SO ₄	20 mg/kg	M ^A	593	621	688	683	1270
ICPMSS	Arsenic as As	0.3 mg/kg	M ^A	12.9	10.0	8.8	4.8	12.3
ICPMSS	Cadmium as Cd	0.2 mg/kg	M ^A	0.4	0.5	0.6	0.8	0.5
ICPMSS	Total Chromium as Cr	1.2 mg/kg	M ^A	41.8	26.8	23.7	18.3	25.1
ICPMSS	Copper as Cu	1.6 mg/kg	M ^A	27.1	22.2	23.0	21.9	22.6
ICPMSS	Lead as Pb	0.7 mg/kg	M ^A	57.9	45.3	78.9	53.2	86.5
ICPMSS	Mercury as Hg	0.5 mg/kg	M ^A	<0.5	<0.5	<0.5	<0.5	<0.5
ICPMSS	Nickel as Ni	2 mg/kg	M ^A	36.0	30.3	25.3	30.8	31.2
ICPMSS	Selenium as Se	0.5 mg/kg	M ^A	<0.5	<0.5	<0.5	<0.5	<0.5
ICPMSS	Zinc as Zn	16 mg/kg	M ^A	89.2	75.6	99.2	87.6	75.8
ICPBOR	Boron as B	0.5 mg/kg	M ^A	2.2	1.7	1.8	1.1	2.5
BTXHSA	Benzene (HS_1D_AR)	10 µg/kg	M ^A	<11* _B	<11* _B	<11* _B		<11* _B
	Toluene (HS_1D_AR)	10 µg/kg	M ^A	<11	<11	<11		<11
	Ethylbenzene (HS_1D_AR)	10 µg/kg	M ^A	<11	<11	<11		<11
	m/p-Xylene (HS_1D_AR)	20 µg/kg	M ^A	<23	<22	<23		<22
	o-Xylene (HS_1D_AR)	10 µg/kg	M ^A	<11	<11	<11		<11
TPHFIDUS	>C10-C40 (EH_1D_Total)	10 mg/kg	U ^A				172	
GROHSA/BTEXHSA	Total GRO C5-C10 (HS_1D_Total)	0.2 mg/kg	M ^A	<0.226	<0.221	<0.227		<0.221
	C5-C6 Aliphatic (HS_1D_AL)	0.2 mg/kg	M ^A	<0.226	<0.221	<0.227		<0.221
	>C6-C8 Aliphatic (HS_1D_AL)	0.2 mg/kg	M ^A	<0.226* _B	<0.221* _B	<0.227* _B		<0.221* _B
	>C8-C10 Aliphatic (HS_1D_AL)	0.2 mg/kg	M ^A	<0.226	<0.221	<0.227		<0.221
	C5-C7 Aromatic (HS_1D_AR)	0.01 mg/kg	M ^A	<0.011* _B	<0.011* _B	<0.011* _B		<0.011* _B
	>C7-C8 Aromatic (HS_1D_AR)	0.01 mg/kg	M ^A	<0.011	<0.011	<0.011		<0.011
	>C8-C10 Aromatic (HS_1D_AR)	0.04 mg/kg	M ^A	<0.045	<0.044	<0.046		<0.044
TPHFIDUS (Aliphatic)	Total TPH >C8-C40 (Aliphatic) (EH_CU_1D_AL)	20 mg/kg	U ^A	<22.6	<22.1	<22.7		129
	>C10-C12 (Aliphatic) (EH_CU_1D_AL)	4 mg/kg	U ^A	<4.52	<4.42	<4.55		<4.43
	>C12-C16 (Aliphatic) (EH_CU_1D_AL)	4 mg/kg	U ^A	<4.52	<4.42	<4.55		<4.43
	>C16-C21 (Aliphatic) (EH_CU_1D_AL)	4 mg/kg	U ^A	<4.52* _B	<4.42* _B	<4.55* _B		4.84* _B
	>C21-C35 (Aliphatic) (EH_CU_1D_AL)	10 mg/kg	U ^A	<11.3	<11.0	<11.4		89.7
	>C35-C44 (Aliphatic) (EH_CU_1D_AL)	6 mg/kg	N ^A	<6.78	<6.63	<6.82		38.3
	Total TPH >C8-C40 (Aromatic) (EH_CU_1D_AR)	20 mg/kg	U ^A	38.7	28.5	31.3		59.6
TPHFIDUS (Aromatic)	>C10-C12 (Aromatic) (EH_CU_1D_AR)	4 mg/kg	U ^A	7.10	6.67	6.00		4.51
	>C12-C16 (Aromatic) (EH_CU_1D_AR)	4 mg/kg	U ^A	11.8	8.08	7.69		8.15
	>C16-C21 (Aromatic) (EH_CU_1D_AR)	4 mg/kg	U ^A	8.82	6.03	7.07		<4.43
	>C21-C35 (Aromatic) (EH_CU_1D_AR)	10 mg/kg	U ^A	<11.3	<11.0	<11.4		42.5
	>C35-C44 (Aromatic) (EH_CU_1D_AR)	6 mg/kg	N ^A	<6.78	7.52	7.20		<6.64
	Acenaphthene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	0.32	<0.09
	Acenaphthylene	0.08 mg/kg	U ^A	<0.09	<0.09	<0.09	<0.09	<0.09
PAHMSUS	Anthracene	0.08 mg/kg	U ^A	<0.09	<0.09	<0.09	0.61	<0.09
	Benzo[a]anthracene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	1.84	0.30
	Benzo[a]pyrene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	1.91	0.34
	Benzo[b]fluoranthene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	2.42	0.47
	Benzo[g,h,i]perylene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	1.09	0.24
	Benzo[k]fluoranthene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	0.95	0.19
	Chrysene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	1.70	0.33
	Dibenzo[a,h]anthracene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	0.27	<0.09
	Fluoranthene	0.08 mg/kg	M ^A	0.10	<0.09	<0.09	4.60	0.67
	Fluorene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	0.17	<0.09
	Indeno[1,2,3-cd]pyrene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	1.15	0.21
	Naphthalene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	0.11	<0.09
	Phenanthrene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	2.77	0.36
	Pyrene	0.08 mg/kg	M ^A	<0.09	<0.09	<0.09	3.75	0.53
	Total PAH 16	1.28 mg/kg	U ^A	1.46	<1.41	<1.45	23.7	4.18
SVOCSW	1,2,4-Trichlorobenzene	0.1 mg/kg	N ^A			<0.1		
	1,2-Dichlorobenzene	0.1 mg/kg	U ^A			<0.1		
	1,3-Dichlorobenzene	0.1 mg/kg	U ^A			<0.1		
	1,4-Dichlorobenzene	0.1 mg/kg	U ^A			<0.1		
	1-Methylnaphthalene	0.1 mg/kg	U ^A			<0.1		
	2,4,5-Trichlorophenol	0.1 mg/kg	U ^A			<0.1		
	2,4,6-Trichlorophenol	0.1 mg/kg	U ^A			<0.1		
	2,4-Dichlorophenol	0.1 mg/kg	U ^A			<0.1		
	2,4-Dimethylphenol	0.1 mg/kg	U ^A			<0.1		
	2,4-Dinitrophenol	0.5 mg/kg	N ^A			<0.6		
	2,4-Dinitrotoluene	0.2 mg/kg	U ^A			<0.2		
	2,6-Dinitrotoluene	0.5 mg/kg	U ^A			<0.6		
	2-Chloronaphthalene	0.1 mg/kg	U ^A			<0.1		
	2-Chlorophenol	0.1 mg/kg	U ^A			<0.1		
	2-Methylnaphthalene	0.1 mg/kg	U ^A			<0.1		
	2-Methylphenol	0.1 mg/kg	U ^A			<0.1		
	2-Nitroaniline	0.5 mg/kg	N ^A			<0.6		
	2-Nitrophenol	0.1 mg/kg	U ^A			<0.1		

Analysis Results

SOCOTEC Sample ID:	24050904-006	24050904-007	24050904-008	24050904-009	24050904-010
Sampling Date:	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00	01/05/2024 10:00
Customer ID:	TP01/1-0-ES-0.30-0.	TP02/1-0-ES-0.40-0.	TP03/1-0-ES-0.30-0.	TP04/1-0-ES-0.70-0.	TP05/1-0-ES-0.40-0.
MDL	30	40	30	70	40
Accred.					

Method Code	Analysis	MDL	Accred.	24050904-006	24050904-007	24050904-008	24050904-009	24050904-010
SVOCSW	3- & 4-Methylphenol	0.1 mg/kg	U ^A			<0.1		
	3-Nitroaniline	0.5 mg/kg	N ^A			<0.6		
	4,6-Dinitro-2-methylphenol	0.2 mg/kg	N ^A			<0.2		
	4-Bromophenyl-phenylether	0.1 mg/kg	U ^A			<0.1		
	4-Chloro-3-methylphenol	0.1 mg/kg	U ^A			<0.1		
	4-Chloroaniline	0.5 mg/kg	N ^A			<0.6		
	4-Chlorophenol	0.5 mg/kg	U ^A			<0.6		
	4-Chlorophenyl-phenylether	0.1 mg/kg	U ^A			<0.1		
	4-Nitroaniline	0.6 mg/kg	N ^A			<0.7		
	4-Nitrophenol	0.5 mg/kg	N ^A			<0.6		
	Acenaphthene	0.1 mg/kg	U ^A			<0.1		
	Acenaphthylene	0.1 mg/kg	U ^A			<0.1		
	Anthracene	0.1 mg/kg	U ^A			<0.1		
	Azobenzene	0.3 mg/kg	N ^A			<0.3		
	Benzo[a]anthracene	0.2 mg/kg	U ^A			<0.2		
	Benzo[a]pyrene	0.2 mg/kg	U ^A			<0.2		
	Benzo[b]fluoranthene	0.2 mg/kg	U ^A			<0.2		
	Benzo[g,h,i]perylene	0.5 mg/kg	U ^A			<0.6		
	Benzo[k]fluoranthene	0.2 mg/kg	U ^A			<0.2		
	Benzoic Acid	0.5 mg/kg	N ^A			<0.6		
	Benzyl alcohol	0.5 mg/kg	U ^A			<0.6		
	Biphenyl	0.1 mg/kg	U ^A			<0.1		
	bis(2-Chloroethoxy)methane	0.1 mg/kg	U ^A			<0.1		
	bis(2-Chloroethyl)ether	0.1 mg/kg	U ^A			<0.1		
	bis(2-Chloroisopropyl)ether	0.5 mg/kg	U ^A			<0.6		
	bis(2-Ethylhexyl)phthalate	0.2 mg/kg	U ^A			<0.2		
	Butylbenzylphthalate	0.2 mg/kg	U ^A			<0.2		
	Carbazole	0.3 mg/kg	N ^A			<0.3		
	Chrysene	0.2 mg/kg	U ^A			<0.2		
	Coronene	0.3 mg/kg	N ^A			<0.3		
	Dibenzo[a,h]anthracene	0.5 mg/kg	U ^A			<0.6		
	Dibenzofuran	0.1 mg/kg	U ^A			<0.1		
	Diethylphthalate	0.1 mg/kg	U ^A			<0.1		
	Dimethylphthalate	0.1 mg/kg	U ^A			<0.1		
	Di-n-butylphthalate	0.1 mg/kg	U ^A			<0.1		
	Di-n-octylphthalate	0.2 mg/kg	U ^A			<0.2		
	Diphenyl ether	0.1 mg/kg	U ^A			<0.1		
	Fluoranthene	0.2 mg/kg	U ^A			<0.2		
	Fluorene	0.2 mg/kg	U ^A			<0.2		
	Hexachlorobenzene	0.1 mg/kg	U ^A			<0.1		
	Hexachlorobutadiene	0.1 mg/kg	N ^A			<0.1		
	Hexachlorocyclopentadiene	0.1 mg/kg	N ^A			<0.1		
	Hexachloroethane	0.1 mg/kg	U ^A			<0.1		
	Indeno[1,2,3-cd]pyrene	0.5 mg/kg	U ^A			<0.6		
	Isophorone	0.1 mg/kg	N ^A			<0.1		
	Naphthalene	0.1 mg/kg	U ^A			<0.1		
	Nitrobenzene	0.5 mg/kg	U ^A			<0.6		
	N-Nitroso-di-n-propylamine	0.9 mg/kg	N ^A			<1.0		
	N-Nitrosodiphenylamine	0.1 mg/kg	N ^A			<0.1		
	Pentachlorophenol	0.5 mg/kg	N ^A			<0.6		
	Phenanthrene	0.1 mg/kg	U ^A			<0.1		
	Phenol	0.1 mg/kg	U ^A			<0.1		
	Pyrene	0.2 mg/kg	U ^A			<0.2		

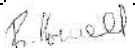
Analysis Results

SOCOTEC Sample ID: 24050904-011 24050904-012

Sampling Date: 01/05/2024 10:00 01/05/2024 10:00

Customer ID: TP06/1-0-ES-0.30-0. TP06/2-0-ES-0.80-0.

Method Code	Analysis	MDL	Accred.	30	80
CLANDPREP	Total Moisture at 35°C	0.1 %	N	16.0	14.1
	Major Constituents	-	N	SILT	SILT
	Minor Constituents	-	N	Gravel	Gravel
	Miscellaneous Constituents	-	N	n/a	n/a
	Colour of Material	-	N	Brown	Brown
SUB002	Asbestos Identification	-	N	NAIS	NAIS
PHSOIL	pH (2.5:1 extraction)	1 pH units	M ^A	8.6	8.7
WSLM59	Total Organic Carbon	0.02 % m/m	U ^A	1.23	0.81
SFAPI	Total Cyanide	0.5 mg/kg	M ^A	<0.6	<0.6
SFAPI	Phenol Index	0.5 mg/kg	U ^A	<0.6	<0.6
SFAPI	Sulphide as S	0.5 mg/kg	N ^A	<0.6	<0.6
ICPACIDS	Acid Soluble Sulphate as SO ₄	20 mg/kg	M ^A	643	540
ICPMSS	Arsenic as As	0.3 mg/kg	M ^A	8.1	6.3
ICPMSS	Cadmium as Cd	0.2 mg/kg	M ^A	0.6	0.6
ICPMSS	Total Chromium as Cr	1.2 mg/kg	M ^A	23.1	28.7
ICPMSS	Copper as Cu	1.6 mg/kg	M ^A	25.2	14.9
ICPMSS	Lead as Pb	0.7 mg/kg	M ^A	127.1	19.8
ICPMSS	Mercury as Hg	0.5 mg/kg	M ^A	<0.5	<0.5
ICPMSS	Nickel as Ni	2 mg/kg	M ^A	25.6	29.3
ICPMSS	Selenium as Se	0.5 mg/kg	M ^A	<0.5	<0.5
ICPMSS	Zinc as Zn	16 mg/kg	M ^A	74.0	63.2
ICPBOR	Boron as B	0.5 mg/kg	M ^A	0.9	1.1
BTXHSA	Benzene (HS_1D_AR)	10 µg/kg	M ^A	<12 ^a	
	Toluene (HS_1D_AR)	10 µg/kg	M ^A	<12	
	Ethylbenzene (HS_1D_AR)	10 µg/kg	M ^A	<12	
	m/p-Xylene (HS_1D_AR)	20 µg/kg	M ^A	<24	
	o-Xylene (HS_1D_AR)	10 µg/kg	M ^A	<12	
TPHFIDUS	>C10-C40 (EH_1D_Total)	10 mg/kg	U ^A		24.6
GROHSA/BTEXHSA	Total GRO C5-C10 (HS_1D_Total)	0.2 mg/kg	M ^A	<0.238	
	C5-C6 Aliphatic (HS_1D_AL)	0.2 mg/kg	M ^A	<0.238	
	>C6-C8 Aliphatic (HS_1D_AL)	0.2 mg/kg	M ^A	<0.238 ^a	
	>C8-C10 Aliphatic (HS_1D_AL)	0.2 mg/kg	M ^A	<0.238	
	C5-C7 Aromatic (HS_1D_AR)	0.01 mg/kg	M ^A	<0.012 ^a	
	>C7-C8 Aromatic (HS_1D_AR)	0.01 mg/kg	M ^A	<0.012	
TPHFIDUS (Aliphatic)	>C8-C10 Aromatic (HS_1D_AR)	0.04 mg/kg	M ^A	<0.048	
	Total TPH >C8-C40 (Aliphatic) (EH_CU_1D_AL)	20 mg/kg	U ^A	25.2	
	>C10-C12 (Aliphatic) (EH_CU_1D_AL)	4 mg/kg	U ^A	<4.76	
	>C12-C16 (Aliphatic) (EH_CU_1D_AL)	4 mg/kg	U ^A	8.75	
	>C16-C21 (Aliphatic) (EH_CU_1D_AL)	4 mg/kg	U ^A	<4.76 ^a	
	>C21-C35 (Aliphatic) (EH_CU_1D_AL)	10 mg/kg	U ^A	<11.9	
TPHFIDUS (Aromatic)	>C35-C44 (Aliphatic) (EH_CU_1D_AL)	6 mg/kg	N ^A	<7.14	
	Total TPH >C8-C40 (Aromatic) (EH_CU_1D_AR)	20 mg/kg	U ^A	32.4	
	>C10-C12 (Aromatic) (EH_CU_1D_AR)	4 mg/kg	U ^A	<4.76	
	>C12-C16 (Aromatic) (EH_CU_1D_AR)	4 mg/kg	U ^A	9.24	
	>C16-C21 (Aromatic) (EH_CU_1D_AR)	4 mg/kg	U ^A	5.82	
	>C21-C35 (Aromatic) (EH_CU_1D_AR)	10 mg/kg	U ^A	13.2	
PAHMSUS	>C35-C44 (Aromatic) (EH_CU_1D_AR)	6 mg/kg	N ^A	8.72	
	Acenaphthene	0.08 mg/kg	M ^A	<0.10	<0.09
	Acenaphthylene	0.08 mg/kg	U ^A	<0.10	<0.09
	Anthracene	0.08 mg/kg	U ^A	<0.10	<0.09
	Benzo[a]anthracene	0.08 mg/kg	M ^A	0.15	<0.09
	Benzo[a]pyrene	0.08 mg/kg	M ^A	0.15	<0.09
	Benzo[b]fluoranthene	0.08 mg/kg	M ^A	0.21	<0.09
	Benzo[g,h,i]perylene	0.08 mg/kg	M ^A	<0.10	<0.09
	Benzo[k]fluoranthene	0.08 mg/kg	M ^A	<0.10	<0.09
	Chrysene	0.08 mg/kg	M ^A	0.15	<0.09
	Dibenzo[a,h]anthracene	0.08 mg/kg	M ^A	<0.10	<0.09
	Fluoranthene	0.08 mg/kg	M ^A	0.28	<0.09
	Fluorene	0.08 mg/kg	M ^A	<0.10	<0.09
	Indeno[1,2,3-cd]pyrene	0.08 mg/kg	M ^A	<0.10	<0.09
	Naphthalene	0.08 mg/kg	M ^A	<0.10	<0.09
	Phenanthrene	0.08 mg/kg	M ^A	0.11	<0.09
	Pyrene	0.08 mg/kg	M ^A	0.23	<0.09
	Total PAH 16	1.28 mg/kg	U ^A	2.14	<1.49

ASBESTOS ANALYSIS RESULTS											Detection limit of Method SCI-ASB-020 is 0.001% Sampling has been carried out by a third party		
SOCOTEC Asbestos Limited Certificate of Analysis for Asbestos in Soils, Sediments and Aggregates													
1089													
Client:		SOCOTEC Environmental Chemistry								Page 1 of 1			
Address:		Etwall House, Bretby Business Park, Ashby Road, Burton upon Trent								Report No:	ANO-0503-29840		
For the attention of:		SOCOTEC Environmental Chemistry								Report Date:	15/05/2024		
Site Address:		Former Fox and Hounds Public House								Project Number:	24050904		
Sample Number	Sample Date	Sample Location & Matrix	Test Date	Total Sample Dry Weight (g)	Weight of <10mm Fraction (g)	Asbestos(g) in >10mm	Asbestos(g) in <10mm	% Asbestos by weight of Total Dried Sample	Moisture Content	Asbestos Fibre Types Identified			
1	01/05/24	BH01/1-0-ES-0.30-0.30 Soils	15/05/2024	367.3	324.0	0.00000	0.00154	<0.001		NADIS >10mm, Amosite (Free Fibres) <10mm Stage 2			
2	01/05/24	BH01/2-0-ES-0.80-0.80 Soils	15/05/2024	388.1	372.1	0.00000	0.00183	<0.001		NADIS >10mm, Chrysotile (Free Fibres) <10mm Stage 2			
3	01/05/24	BH02/1-0-ES-0.20-0.20 Soils	15/05/2024	424.2	360.9	0.00000	0.00000			NADIS Stage 1			
4	01/05/24	BH02/2-0-ES-0.90-0.90 Soils	15/05/2024	433.3	402.7	0.00000	0.00164	<0.001		NADIS >10mm, Chrysotile (Free Fibres) <10mm Stage 2			
5	01/05/24	BH03/1-0-ES-0.30-0.30 Soils	15/05/2024	584.9	539.8	0.00000	0.00000			NADIS Stage 1			
6	01/05/24	TP01/1-0-ES-0.30-0.30 Soils	15/05/2024	280.9	237.4	0.00000	0.00000			NADIS Stage 1			
7	01/05/24	TP02/1-0-ES-0.40-0.40 Soils	15/05/2024	565.6	565.6		0.00000			NADIS Stage 1			
8	01/05/24	TP03/1-0-ES-0.30-0.30 Soils	15/05/2024	343.5	343.5		0.00000			NADIS Stage 1			
9	01/05/24	TP04/1-0-ES-0.70-0.70 Soils	15/05/2024	559.4	544.1	0.00000	0.00000			NADIS Stage 1			
10	01/05/24	TP05/1-0-ES-0.40-0.40 Soils	15/05/2024	322.6	322.6		0.00000			NADIS Stage 1			
11	01/05/24	TP06/1-0-ES-0.30-0.30 Soils	15/05/2024	401.5	370.3	0.00000	0.00000			NADIS Stage 1			
12	01/05/24	TP06/2-0-ES-0.80-0.80 Soils	15/05/2024	545.9	533.9	0.00000	0.00000			NADIS Stage 1			
Keys	NAACR = Not Analysed at Clients Request				NAIIS = No Asbestos Identified in Sample (Identification Only)				Name:	Rachel Howell	Authorised Signatory:		
	* visible to naked eye				NADIS = No Asbestos Detected in Sample (ID & Quant Only)				Position:	Lab Analyst			

The sample analysis for the above results was carried out using the procedures detailed in SOCOTEC Asbestos Limited in house method (SCI-ASB-020) based on EA document Quantification of asbestos in soil and associated materials - Draft 2017. Fibre identification was carried out using SOCOTEC Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), and fibre counting during sedimentation test, where applicable, was carried out using SOCOTEC Asbestos Ltd in house method (SCI/ASB/003) based on HSE's HSG 248. The sedimentation test does not discriminate non-asbestos fibres. Uncertainty of Measurement (UoM) estimate is +/- 29% for full quantitative analysis based on reproducibility analysis at 0.1%. Sampling is outside the UoM estimate. Recommended sample weight is 1kg-2kg, samples less than 1kg are classified as deviating samples. Any opinions or interpretations are outside the scope of our UKAS accreditation.

Deviating Sample Report

<u>Sample Reference</u>	<u>Text ID</u>	<u>Method Code</u>	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
BH01/1-0-ES-0.30-0.30	24050904-001	BTEXHSA						✓
BH01/1-0-ES-0.30-0.30	24050904-001	GROHSA/BTEXHSA						✓
BH01/1-0-ES-0.30-0.30	24050904-001	SVOCSW						✓
BH02/1-0-ES-0.20-0.20	24050904-003	BTEXHSA						✓
BH02/1-0-ES-0.20-0.20	24050904-003	GROHSA/BTEXHSA						✓
BH03/1-0-ES-0.30-0.30	24050904-005	BTEXHSA						✓
BH03/1-0-ES-0.30-0.30	24050904-005	GROHSA/BTEXHSA						✓
TP03/1-0-ES-0.30-0.30	24050904-008	SVOCSW						✓

Analysis Method

<u>Method Code</u>	<u>Method Description</u>	<u>Analysis Method</u>
BTEXHSA	BTEX by GCFID	As Received
CLANDPREP	CLand Prep and Dry Weight Correction to 35°C	As Received
CLANDPREP	Solid Material Description	As Received
GROHSA/BTEXHSA	GRO CWG UK (C5-C10) Ali/Aro Split	As Received
ICPACIDS	Sulphate as SO4 (Acid Soluble)	Air Dried & Ground
ICPBOR	Boron (Water Soluble) by ICPOES	Air Dried & Ground
ICPMSS	Arsenic in Solids by ICPMS	Air Dried & Ground
ICPMSS	Cadmium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Chromium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Copper in Solids by ICPMS	Air Dried & Ground
ICPMSS	Lead in Solids by ICPMS	Air Dried & Ground
ICPMSS	Mercury in Solids by ICPMS	Air Dried & Ground
ICPMSS	Nickel in Solids by ICPMS	Air Dried & Ground
ICPMSS	Selenium in Solids by ICPMS	Air Dried & Ground
ICPMSS	Zinc in Solids by ICPMS	Air Dried & Ground
PAHMSUS	16 PAHs by GCMS	As Received
PHSOIL	pH (2.5:1)	As Received
SFAPI	Cyanide (Total) by SFA	As Received
SFAPI	Phenol Index (Total) by SFA	As Received
SFAPI	Sulphide by SFA	As Received
SUB002	Asbestos Stage 1 (with Stage 2 Trigger)	
SUB002	Asbestos Stage 2: Quantification	
SVOCSW	SVOCs (Target List) by GCMS	As Received
TPHFIDUS	TPH (>C10-C40) Total	As Received
TPHFIDUS (Aliphatic)	TPH (CWG UK) Aliphatic Split with Carbon Banding	As Received
TPHFIDUS (Aromatic)	TPH (CWG UK) Aromatic Split with Carbon Banding	As Received
WSLM59	TOC: Total Organic Carbon	Air Dried & Ground



Project Number: 24050904

Client: STM Environmental Consultants

Date Issued: 30/05/2024

Project Name: Former Fox and Hounds Public H - Former Fox and Hounds Public House

Result Report Notes

Letters alongside results signify that the result has associated report notes.

The report notes are as follows:

Letter

Note

- | | |
|---|--|
| A | Due to the matrix of the sample the laboratory has had to deviate from our standard protocols to be able to process the sample and provide a result. Where applicable the accreditation has been removed and this should be taken into consideration when utilising the data. |
| B | The QC associated with this result has not wholly met the QMS requirements, the accreditation has therefore been removed. However, the Laboratory has confidence in the performance of the method as a whole and that the integrity of the data has not been significantly compromised. |
| C | Due to matrix interference, the internal standard and/or surrogate has not met the QMS requirements. This should be taken into consideration when utilising the data. |
| D | A non-standard volume or mass has been used for this test which has resulted in a raised detection limit. |
| E | Due to the parameter value being beyond our calibration range (and following the maximum size of dilution allowed, where applicable), the result cannot be quantified and as such the result will appear as a greater than symbol (>) with the accreditation removed. This data should be used for indicative purposes only. |
| F | Based on the sample history, appearance and smell a dilution was applied prior to testing. Unfortunately, the result is either above (>) or below (<) our calibration range. Results above our calibration range have accreditation removed. The data should be used for indicative purposes only. |
| G | The day 5 oxygen reading was below the capability of the instrument to detect, and therefore the calculated BOD has been reported unaccredited for guidance purposes only. |

HWOL Acronym Key

Acronym

Description

HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e everything extracted by the solvent(s)
CU	Clean up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
+	Operator to indicate cumulative e.g. EH_CU+HS_1D_Total

SVOCSW - N-Nitrosodiphenylamine

N-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from diphenylamine. For this reason we will report a combined result for N-Nitrosodiphenylamine and Diphenylamine.



Project Number: [24050904](#)

Client: STM Environmental Consultants

Date Issued: 30/05/2024

Project Name: Former Fox and Hounds Public H - Former Fox and Hounds Public House

Additional Information

This report refers to samples as received. SOCOTEC UK Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

The accreditation codes are as follows:

U = UKAS accredited analysis
M = MCERT accredited analysis
N = Unaccredited analysis

Any accreditation marked with ^ signify results are reported on a dry weight basis of 35 ° c.

All Air Dried and Ground Samples (ADG) are oven dried at less than 35° c.

This report shall not be reproduced except in full, without written approval of the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any results marked with * are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following (Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

IS = Insufficient Sample to complete analysis
NA = Sample is not amenable for the required analysis
ND = Results cannot be determined

Items listed with a 'SUB' method code prefix have been carried out by another SOCOTEC department or by an external subcontracted laboratory.

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the subcontracted lab for information regarding any deviancies for this analysis.

Summaries of analysis methods are available upon request.

End of Certificate of Analysis