



Interim Report

Report No.: 21-04194-0

Initial Date of Issue:

Client Sub Surface

Client Address: 3 Peel Street
Preston
Lancashire
PR2 2QS

Contact(s): Simon Gabbatt

Project 6921C Arkady Industrial Estate, Briscoe
Lane, Newton Heath

Quotation No.: **Date Received:** 12-Feb-2021

Order No.: **Date Instructed:** 12-Feb-2021

No. of Samples: 13

Turnaround (Wkdays): 5 **Results Due:** 18-Feb-2021

Date Approved: **Subcon Results Due:** 05-Mar-2021

Approved By:

Details:

Please note that the interim data available has passed our Quality Control Criteria but has not been verified by an approved signatory and may be subject to amendment on approval. Chemtest cannot therefore be held responsible for decisions made on interim data sets but only for the data submitted on a final report containing an approval date and signature.

Results - Soil

Project: 6921C Arkady Industrial Estate, Briscoe Lane, Newton Heath

Client: Sub Surface	Chemtest Job No.:					21-04194	21-04194	21-04194	21-04194	21-04194	21-04194	21-04194	21-04194	21-04194
Quotation No.:	Chemtest Sample ID.:					1140464	1140465	1140466	1140467	1140468	1140469	1140470	1140471	1140472
	Client Sample ID.:					405	406	327	401	331	332	323	324	335
	Sample Location:					M1	M1	M2	M3	M4	M4	M5	M5	M6
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.50	1.00	0.50	0.10	0.20	1.00	0.50	1.00	0.10
	Bottom Depth (m):					1.00		0.80			2.00	1.00	1.80	
	Date Sampled:					02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021
	Asbestos Lab:					DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD										
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
ACM Detection Stage	U	2192		N/A	-	-	-	-	-	-	-	-	-	-
Moisture	N	2030	%	0.020	15	14	15	16	24	7.3	30	53	11	
PFBS	SN		µg/kg	1.00	To Follow									To Follow
PFPS	SN		µg/kg	1.00	To Follow									To Follow
PFHxS	SN		µg/kg	1.00	To Follow									To Follow
PFHpS	SN		µg/kg	1.00	To Follow									To Follow
PFOS	SN		µg/kg	1.00	To Follow									To Follow
PFNS	SN		µg/kg	1.00	To Follow									To Follow
PFDS	SN		µg/kg	1.00	To Follow									To Follow
PFUdS	SN		µg/kg	1.00	To Follow									To Follow
PFDoS	SN		µg/kg	1.00	To Follow									To Follow
PFBA	SN		µg/kg	3.00	To Follow									To Follow
PFPeA	SN		µg/kg	1.00	To Follow									To Follow
PFHxA	SN		µg/kg	2.00	To Follow									To Follow
PFHpA	SN		µg/kg	1.00	To Follow									To Follow
PFOA	SN		µg/kg	1.00	To Follow									To Follow
PFNA	SN		µg/kg	1.00	To Follow									To Follow
PFDA	SN		µg/kg	1.00	To Follow									To Follow
PFUdA	SN		µg/kg	1.00	To Follow									To Follow
PFDoA	SN		µg/kg	1.00	To Follow									To Follow
pH	M	2010		4.0	8.4	8.0	9.0	8.7	10.9	11.5	9.7	7.4	10.0	
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	1.7	0.86	1.4	0.69	15	5.2	1.4	1.7	2.7	
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	12	
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	4.0	5.3	2.2	7.5	7.9	15	9.0	7.0	4.2	
Sulphate (Total)	M	2430	%	0.010	0.021	0.052	0.15	0.10	0.60	0.22	0.19	0.84	0.10	
Arsenic	M	2450	mg/kg	1.0	4.7	6.7	12	11	26	7.8	17	12	6.5	
Cadmium	M	2450	mg/kg	0.10	0.11	0.10	0.36	0.11	1.2	0.48	0.66	0.14	0.28	
Chromium	M	2450	mg/kg	1.0	4.5	21	17	34	1500	480	15	20	190	
Molybdenum	M	2450	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	19	4.7	< 2.0	< 2.0	< 2.0	
Copper	M	2450	mg/kg	0.50	3.7	19	27	26	170	35	28	17	25	
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.6	1.1	0.19	< 0.10	0.18	
Nickel	M	2450	mg/kg	0.50	5.5	28	14	43	70	18	14	19	18	
Lead	M	2450	mg/kg	0.50	5.6	13	65	15	640	57	220	21	26	

Results - Soil

Project: 6921C Arkady Industrial Estate, Briscoe Lane, Newton Heath

Client: Sub Surface	Chemtest Job No.:					21-04194	21-04194	21-04194	21-04194	21-04194	21-04194	21-04194	21-04194
Quotation No.:	Chemtest Sample ID.:					1140464	1140465	1140466	1140467	1140468	1140469	1140470	1140471
	Client Sample ID.:					405	406	327	401	331	332	323	324
	Sample Location:					M1	M1	M2	M3	M4	M4	M5	M5
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.50	1.00	0.50	0.10	0.20	1.00	0.50	1.00
	Bottom Depth (m):					1.00		0.80			2.00	1.00	1.80
	Date Sampled:					02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021
	Asbestos Lab:					DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD									
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.33
Zinc	M	2450	mg/kg	0.50	15	45	62	63	540	160	87	43	110
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.79	< 0.50	< 0.50	< 0.50	< 0.50
TPH >C6-C10	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C21	N	2670	mg/kg	1.0	< 1.0	< 1.0	6.7	< 1.0	3.9	22	< 1.0	< 1.0	12
TPH >C21-C40	N	2670	mg/kg	1.0	< 1.0	< 1.0	45	< 1.0	2.2	28	< 1.0	< 1.0	910
Total TPH >C6-C40	M	2670	mg/kg	10	< 10	< 10	52	< 10	< 10	49	< 10	< 10	920
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.80	0.72	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	0.31	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.25	< 0.10	1.1	0.87	0.13	< 0.10	0.42
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.31	< 0.10	1.1	0.88	0.17	< 0.10	0.39
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.89	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.75	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	4.8	2.8	< 2.0	< 2.0	< 2.0
Dichlorodifluoromethane	U	2760	µg/kg	1.0	< 1.0						< 1.0		
Chloromethane	M	2760	µg/kg	1.0	< 1.0						< 1.0		
Vinyl Chloride	M	2760	µg/kg	1.0	< 1.0						< 1.0		
Bromomethane	M	2760	µg/kg	20	< 20						< 20		
Chloroethane	U	2760	µg/kg	2.0	< 2.0						< 2.0		
Trichlorofluoromethane	M	2760	µg/kg	1.0	< 1.0						< 1.0		
1,1-Dichloroethene	M	2760	mg/kg	1.0	< 1.0						< 1.0		
Trans 1,2-Dichloroethene	M	2760	mg/kg	1.0	< 1.0						< 1.0		
1,1-Dichloroethane	M	2760	µg/kg	1.0	< 1.0						< 1.0		
cis 1,2-Dichloroethene	M	2760	µg/kg	1.0	< 1.0						< 1.0		
Bromochloromethane	U	2760	µg/kg	5.0	< 5.0						< 5.0		
Trichloromethane	M	2760	µg/kg	1.0	< 1.0						< 1.0		

Results - Soil

Project: 6921C Arkady Industrial Estate, Briscoe Lane, Newton Heath

Client: Sub Surface	Chemtest Job No.:					21-04194	21-04194	21-04194	21-04194	21-04194	21-04194	21-04194	21-04194
Quotation No.:	Chemtest Sample ID.:					1140464	1140465	1140466	1140467	1140468	1140469	1140470	1140471
	Client Sample ID.:					405	406	327	401	331	332	323	324
	Sample Location:					M1	M1	M2	M3	M4	M4	M5	M5
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.50	1.00	0.50	0.10	0.20	1.00	0.50	1.00
	Bottom Depth (m):					1.00		0.80			2.00	1.00	1.80
	Date Sampled:					02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021
	Asbestos Lab:					DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD									
1,1,1-Trichloroethane	M	2760	µg/kg	1.0	< 1.0							< 1.0	
Tetrachloromethane	M	2760	µg/kg	1.0	< 1.0							< 1.0	
1,1-Dichloropropene	U	2760	µg/kg	1.0	< 1.0							< 1.0	
Benzene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	M	2760	µg/kg	2.0	< 2.0							< 2.0	
Trichloroethene	N	2760	µg/kg	1.0	< 1.0							< 1.0	
1,2-Dichloropropane	M	2760	µg/kg	1.0	< 1.0							< 1.0	
Dibromomethane	M	2760	µg/kg	1.0	< 1.0							< 1.0	
Bromodichloromethane	M	2760	µg/kg	5.0	< 5.0							< 5.0	
cis-1,3-Dichloropropene	N	2760	µg/kg	10	< 10							< 10	
Toluene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	< 10							< 10	
1,1,2-Trichloroethane	M	2760	µg/kg	10	< 10							< 10	
Tetrachloroethene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
1,3-Dichloropropane	U	2760	µg/kg	2.0	< 2.0							< 2.0	
Dibromochloromethane	U	2760	µg/kg	10	< 10							< 10	
1,2-Dibromoethane	M	2760	µg/kg	5.0	< 5.0							< 5.0	
Chlorobenzene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2.0	< 2.0							< 2.0	
Ethylbenzene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
Tribromomethane	U	2760	µg/kg	1.0	< 1.0							< 1.0	
Isopropylbenzene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
Bromobenzene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
1,2,3-Trichloropropane	N	2760	µg/kg	50	< 50							< 50	
N-Propylbenzene	U	2760	µg/kg	1.0	< 1.0							< 1.0	
2-Chlorotoluene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
1,3,5-Trimethylbenzene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
4-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0							< 1.0	
Tert-Butylbenzene	U	2760	µg/kg	1.0	< 1.0							< 1.0	
1,2,4-Trimethylbenzene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
Sec-Butylbenzene	U	2760	µg/kg	1.0	< 1.0							< 1.0	
1,3-Dichlorobenzene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
4-Isopropyltoluene	U	2760	µg/kg	1.0	< 1.0							< 1.0	

Results - Soil

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Client: Sub Surface	Chemtest Job No.:					21-04194	21-04194	21-04194	21-04194	21-04194	21-04194	21-04194	21-04194
Quotation No.:	Chemtest Sample ID.:					1140464	1140465	1140466	1140467	1140468	1140469	1140470	1140472
	Client Sample ID.:					405	406	327	401	331	332	323	335
	Sample Location:					M1	M1	M2	M3	M4	M4	M5	M6
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.50	1.00	0.50	0.10	0.20	1.00	0.50	0.10
	Bottom Depth (m):					1.00		0.80			2.00	1.00	
	Date Sampled:					02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021
	Asbestos Lab:					DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD									
1,4-Dichlorobenzene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
N-Butylbenzene	U	2760	µg/kg	1.0	< 1.0							< 1.0	
1,2-Dichlorobenzene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	< 50							< 50	
1,2,4-Trichlorobenzene	M	2760	µg/kg	1.0	< 1.0							< 1.0	
Hexachlorobutadiene	U	2760	µg/kg	1.0	< 1.0							< 1.0	
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	< 2.0							< 2.0	
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCB 28	U	2815	mg/kg	0.010									
PCB 52	U	2815	mg/kg	0.010									
PCB 90+101	U	2815	mg/kg	0.010									
PCB 118	U	2815	mg/kg	0.010									
PCB 153	U	2815	mg/kg	0.010									
PCB 138	U	2815	mg/kg	0.010									
PCB 180	U	2815	mg/kg	0.010									
Total PCBs (7 Congeners)	U	2815	mg/kg	0.10									
Total Phenols	M	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30

Results - Soil

Project: 6921C Arkady Industrial Estate, Briscoe Lane, Newton Heath

Client: Sub Surface	Chemtest Job No.:				21-04194	21-04194	21-04194	21-04194
Quotation No.:	Chemtest Sample ID.:				1140473	1140474	1140475	1140476
	Client Sample ID.:				409	410	413	414
	Sample Location:				M7	M7	M9	M9
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.20	1.00	0.70	1.00
	Bottom Depth (m):				0.40	2.00	1.00	2.00
	Date Sampled:				02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021
	Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
ACM Detection Stage	U	2192		N/A	-	-	-	-
Moisture	N	2030	%	0.020	2.1	31	20	23
PFBS	SN		µg/kg	1.00				
PFPS	SN		µg/kg	1.00				
PFHxS	SN		µg/kg	1.00				
PFHpS	SN		µg/kg	1.00				
PFOS	SN		µg/kg	1.00				
PFNS	SN		µg/kg	1.00				
PFDS	SN		µg/kg	1.00				
PFUdS	SN		µg/kg	1.00				
PFDoS	SN		µg/kg	1.00				
PFBA	SN		µg/kg	3.00				
PFPeA	SN		µg/kg	1.00				
PFHxA	SN		µg/kg	2.00				
PFHpA	SN		µg/kg	1.00				
PFOA	SN		µg/kg	1.00				
PFNA	SN		µg/kg	1.00				
PFDA	SN		µg/kg	1.00				
PFUdA	SN		µg/kg	1.00				
PFDoA	SN		µg/kg	1.00				
pH	M	2010		4.0	10.0	8.7	8.5	11.0
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.56	1.6	1.3	0.88
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	7.9	2.4	4.3	5400
Sulphate (Total)	M	2430	%	0.010	0.035	0.55	0.26	0.20
Arsenic	M	2450	mg/kg	1.0	2.8	17	27	30
Cadmium	M	2450	mg/kg	0.10	0.13	15	7.9	3.5
Chromium	M	2450	mg/kg	1.0	59	16	49	41
Molybdenum	M	2450	mg/kg	2.0	< 2.0	5.2	5.7	3.1
Copper	M	2450	mg/kg	0.50	15	110	310	120
Mercury	M	2450	mg/kg	0.10	< 0.10	0.13	0.34	0.18
Nickel	M	2450	mg/kg	0.50	21	36	130	51
Lead	M	2450	mg/kg	0.50	8.8	50	230	520

Results - Soil

Project: 6921C Arkady Industrial Estate, Briscoe Lane, Newton Heath

Client: Sub Surface	Chemtest Job No.:				21-04194	21-04194	21-04194	21-04194
Quotation No.:	Chemtest Sample ID.:				1140473	1140474	1140475	1140476
	Client Sample ID.:				409	410	413	414
	Sample Location:				M7	M7	M9	M9
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.20	1.00	0.70	1.00
	Bottom Depth (m):				0.40	2.00	1.00	2.00
	Date Sampled:				02-Feb-2021	02-Feb-2021	02-Feb-2021	02-Feb-2021
	Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD				
Selenium	M	2450	mg/kg	0.20	< 0.20	2.8	0.91	0.37
Zinc	M	2450	mg/kg	0.50	51	230	410	720
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
TPH >C6-C10	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C21	N	2670	mg/kg	1.0	< 1.0	< 1.0	35	120
TPH >C21-C40	N	2670	mg/kg	1.0	< 1.0	< 1.0	81	360
Total TPH >C6-C40	M	2670	mg/kg	10	< 10	< 10	120	480
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.58	0.87
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.42	0.32
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.41	0.99
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.35	0.73
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.4	5.3
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.55	1.3
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	0.45	3.6	11
Pyrene	M	2700	mg/kg	0.10	< 0.10	0.50	3.7	11
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.8	5.4
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.6	4.8
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.2	6.4
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.76	2.8
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.4	6.4
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.1	4.7
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.29	1.1
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.95	5.1
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	22	68
Dichlorodifluoromethane	U	2760	µg/kg	1.0		< 1.0		< 1.0
Chloromethane	M	2760	µg/kg	1.0		< 1.0		< 1.0
Vinyl Chloride	M	2760	µg/kg	1.0		< 1.0		< 1.0
Bromomethane	M	2760	µg/kg	20		< 20		< 20
Chloroethane	U	2760	µg/kg	2.0		< 2.0		< 2.0
Trichlorofluoromethane	M	2760	µg/kg	1.0		< 1.0		< 1.0
1,1-Dichloroethene	M	2760	mg/kg	1.0		< 1.0		< 1.0
Trans 1,2-Dichloroethene	M	2760	mg/kg	1.0		< 1.0		< 1.0
1,1-Dichloroethane	M	2760	µg/kg	1.0		< 1.0		< 1.0
cis 1,2-Dichloroethene	M	2760	µg/kg	1.0		< 1.0		< 1.0
Bromochloromethane	U	2760	µg/kg	5.0		< 5.0		< 5.0
Trichloromethane	M	2760	µg/kg	1.0		< 1.0		< 1.0

Results - Soil

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	Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD				
1,1,1-Trichloroethane	M	2760	µg/kg	1.0		< 1.0		< 1.0
Tetrachloromethane	M	2760	µg/kg	1.0		< 1.0		< 1.0
1,1-Dichloropropene	U	2760	µg/kg	1.0		< 1.0		< 1.0
Benzene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	M	2760	µg/kg	2.0		< 2.0		< 2.0
Trichloroethene	N	2760	µg/kg	1.0		< 1.0		< 1.0
1,2-Dichloropropane	M	2760	µg/kg	1.0		< 1.0		< 1.0
Dibromomethane	M	2760	µg/kg	1.0		< 1.0		< 1.0
Bromodichloromethane	M	2760	µg/kg	5.0		< 5.0		< 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10		< 10		< 10
Toluene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10		< 10		< 10
1,1,2-Trichloroethane	M	2760	µg/kg	10		< 10		< 10
Tetrachloroethene	M	2760	µg/kg	1.0		< 1.0		< 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0		< 2.0		< 2.0
Dibromochloromethane	U	2760	µg/kg	10		< 10		< 10
1,2-Dibromoethane	M	2760	µg/kg	5.0		< 5.0		< 5.0
Chlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2.0		< 2.0		< 2.0
Ethylbenzene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	M	2760	µg/kg	1.0		< 1.0		< 1.0
Tribromomethane	U	2760	µg/kg	1.0		< 1.0		< 1.0
Isopropylbenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0
Bromobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50		< 50		< 50
N-Propylbenzene	U	2760	µg/kg	1.0		< 1.0		< 1.0
2-Chlorotoluene	M	2760	µg/kg	1.0		< 1.0		< 1.0
1,3,5-Trimethylbenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0		< 1.0		< 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0		< 1.0		< 1.0
1,2,4-Trimethylbenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0		< 1.0		< 1.0
1,3-Dichlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0		< 1.0		< 1.0

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	Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD				
1,4-Dichlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0
N-Butylbenzene	U	2760	µg/kg	1.0		< 1.0		< 1.0
1,2-Dichlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50		< 50		< 50
1,2,4-Trichlorobenzene	M	2760	µg/kg	1.0		< 1.0		< 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0		< 1.0		< 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0		< 2.0		< 2.0
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCB 28	U	2815	mg/kg	0.010		< 0.010		
PCB 52	U	2815	mg/kg	0.010		< 0.010		
PCB 90+101	U	2815	mg/kg	0.010		< 0.010		
PCB 118	U	2815	mg/kg	0.010		< 0.010		
PCB 153	U	2815	mg/kg	0.010		< 0.010		
PCB 138	U	2815	mg/kg	0.010		< 0.010		
PCB 180	U	2815	mg/kg	0.010		< 0.010		
Total PCBs (7 Congeners)	U	2815	mg/kg	0.10		< 0.10		
Total Phenols	M	2920	mg/kg	0.30	< 0.30	< 0.30	< 0.30	< 0.30

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com