

Certificate of Analysis

Certificate Number 26-00195

Issued: 16-Jan-26

Client Earth Environmental & Geotechnical Ltd
Ashbourne House
334 Wellington Road North
Stockport
Cheshire
SK4 5DA

Our Reference 26-00195

Client Reference ~ A6542

Order No ~ A6542/RS/01

Contract Title ~ Derby Street Cheetham Hill

Description 2 Groundwater samples.

Date Received 07-Jan-26

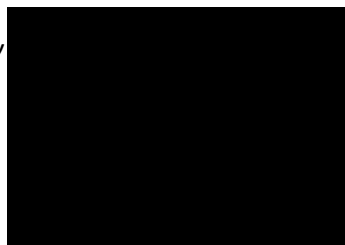
Date Started 07-Jan-26

Date Completed 16-Jan-26

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By



2139

Sample Deviations present. See Deviation Table Section for details.

Normec DETS Limited

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Summary of Chemical Analysis

Water Samples

Our Ref 26-00195

Client Ref ~ A6542

Contract Title ~ Derby Street Cheetham Hill

Lab No	2622390	2622391
Sample ID ~	WS02	WS04
Depth ~	4.98	4.43
Other ID ~		
Sample Type ~	GROUND WATER	GROUND WATER
Sampling Date ~	05/01/2026	05/01/2026
Sampling Time ~	n/s	n/s

Test	Method	LOD	Units		
Metals					
Arsenic, Dissolved	DETSC 2306	0.16	ug/l	4.69	2.53
Barium, Dissolved	DETSC 2306	0.26	ug/l	188.6	112.2
Beryllium, Dissolved	DETSC 2306*	0.1	ug/l	< 0.10	< 0.10
Boron, Dissolved	DETSC 2306*	12	ug/l	131.9	99.66
Cadmium, Dissolved	DETSC 2306	0.03	ug/l	< 0.03	0.03
Chromium, Dissolved	DETSC 2306	0.25	ug/l	< 0.25	< 0.25
Chromium, Hexavalent	DETSC 2203	7	ug/l	< 7.0	< 7.0
Copper, Dissolved	DETSC 2306	0.4	ug/l	1.94	1.75
Lead, Dissolved	DETSC 2306	0.09	ug/l	2.88	0.83
Mercury, Dissolved	DETSC 2306	0.01	ug/l	< 0.01	< 0.01
Nickel, Dissolved	DETSC 2306	0.5	ug/l	1.98	2.92
Selenium, Dissolved	DETSC 2306	0.25	ug/l	0.32	3.48
Vanadium, Dissolved	DETSC 2306	0.6	ug/l	1.55	2.78
Zinc, Dissolved	DETSC 2306	1.3	ug/l	74.25	61.98
Inorganics					
pH	DETSC 2008		pH	7.1	7.1
Cyanide, Total Low Level	DETSC 2131	0.1	ug/l	0.7	3.5
Cyanide, Free Low Level	DETSC 2131	0.1	ug/l	0.1	< 0.1
Cyanide, Complex Low Level	DETSC 2131	0.1	ug/l	0.5	3.5
Phenol - Monohydric Low Level	DETSC 2131	1.5	ug/l	< 1.5	< 1.5
Sulphate as SO4	DETSC 2055	0.1	mg/l	41	57
Sulphide	DETSC 2208	0.01	mg/l	< 0.01	< 0.01
Total Organic Carbon	DETSC 2085	1	mg/l	3.4	3.1
Petroleum Hydrocarbons					
Aliphatic C5-C6	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aliphatic C6-C8	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aliphatic C8-C10	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aliphatic C10-C12	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C12-C16	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C16-C21	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C21-C35	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aliphatic C5-C35	DETSC 3072*	10	ug/l	< 10	< 10
Aromatic C5-C7	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aromatic C7-C8	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aromatic C8-C10	DETSC 3322	0.1	ug/l	< 0.1	< 0.1
Aromatic C10-C12	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C12-C16	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C16-C21	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C21-C35	DETSC 3072*	1	ug/l	< 1.0	< 1.0
Aromatic C5-C35	DETSC 3072*	10	ug/l	< 10	< 10
TPH Ali/Aro Total C5-C35	DETSC 3072*	10	ug/l	< 10	< 10

Summary of Chemical Analysis

Water Samples

Our Ref 26-00195

Client Ref ~ A6542

Contract Title ~ Derby Street Cheetham Hill

Lab No	2622390	2622391
Sample ID ~	WS02	WS04
Depth ~	4.98	4.43
Other ID ~		
Sample Type ~	GROUND WATER	GROUND WATER
Sampling Date ~	05/01/2026	05/01/2026
Sampling Time ~	n/s	n/s

Test	Method	LOD	Units		
Benzene	DETSC 3322	1	ug/l	< 1.0	< 1.0
Toluene	DETSC 3322	1	ug/l	< 1.0	< 1.0
Ethylbenzene	DETSC 3322	1	ug/l	< 1.0	< 1.0
Xylene	DETSC 3322	1	ug/l	< 1.0	< 1.0
MTBE	DETSC 3322	1	ug/l	< 1.0	< 1.0
PAHs					
Naphthalene	DETSC 3304	0.05	ug/l	15	61
Acenaphthylene	DETSC 3304	0.01	ug/l	11	4.6
Acenaphthene	DETSC 3304	0.01	ug/l	23	51
Fluorene	DETSC 3304	0.01	ug/l	16	52
Phenanthrene	DETSC 3304	0.01	ug/l	87	240
Anthracene	DETSC 3304	0.01	ug/l	25	58
Fluoranthene	DETSC 3304	0.01	ug/l	170	210
Pyrene	DETSC 3304	0.01	ug/l	220	230
Benzo(a)anthracene	DETSC 3304	0.01	ug/l	65	110
Chrysene	DETSC 3304	0.01	ug/l	60	93
Benzo(b)fluoranthene	DETSC 3304	0.01	ug/l	67	100
Benzo(k)fluoranthene	DETSC 3304	0.01	ug/l	25	40
Benzo(a)pyrene	DETSC 3304	0.01	ug/l	53	94
Indeno(1,2,3-c,d)pyrene	DETSC 3304	0.01	ug/l	34	55
Dibenzo(a,h)anthracene	DETSC 3304	0.01	ug/l	7.1	8.5
Benzo(g,h,i)perylene	DETSC 3304	0.01	ug/l	36	55
PAH Total	DETSC 3304	0.2	ug/l	910	1500

Information in Support of the Analytical Results

Our Ref 26-00195
 Client Ref ~ A6542
 Contract ~ Derby Street Cheetham Hill

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date		Containers Received	Holding time exceeded for tests	Incorrect container for tests
		Sampled ~				
2622390	WS02 4.98 GROUND WATER	05/01/26		GB 1L x2, GV x2, PB 1L	pH/Cond (1 days)	
2622391	WS04 4.43 GROUND WATER	05/01/26		GB 1L x2, GV x2, PB 1L	pH/Cond (1 days)	

Key: G-Glass P-Plastic B-Bottle V-Vial

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
 Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Key:

~ Sample details are provided by the client and can affect the validity of the results
 * -not accredited.
 # -MCERTS (accreditation only applies if report carries the MCERTS logo).
 \$ -subcontracted.
 n/s -not supplied.
 I/S -insufficient sample.
 U/S -unsuitable sample.
 t/f -to follow.
 nd -not detected.

End of Report Ver 25.10.03