

Former structure / feature	Intrusive location	Below ground structures		Visual/Olfactory Evidence of Contamination		
		Depth (m bgl)	Details of structures/ Made Ground depth	Depth (m bgl)	Strata	Details
Gasholder 1 - infilled below ground tank	TP25-25	1.1 – 1.4	Redbrick wall and redbrick support column. (Wall of Gasholder B)	-	-	No visual or olfactory contamination observed.
	MW25-13	0.2	Position terminated & relocated due to potential foundation.	-	-	-
	MW25-13A	-	Made Ground encountered to 5 m bgl.	0.35 – 0.6	Made Ground	Clinker.
				0.6 – 1.45	Made Ground	Clinker. Faint hydrocarbon odour.
				1.5 - 5	Made Ground	Clinker. Faint to moderate tar/ hydrocarbon odour. Black staining, moderate to strong odours and sheens at 2.5 to 2.7 and 3.9 to 4.2 m bgl.
				5 - 7	Wolston Clay Member	Faint odour.
				7 – 7.7	Wolston Clay Member	Faint tar odours (likely from groundwater).
	MW25-33	6.0	Refusal at 6.0 m bgl (potential gasholder tank base). Made Ground encountered to 6 m bgl.	0.6 – 3.0	Made Ground	Clinker, coal and ceramic. Faint hydrocarbon odour from 1 m bgl.
				3.0 – 5.5	Made Ground	Clinker. Strong hydrocarbon odours and sheen.
				5.5 – 6.0	Made Ground	Clinker. Strong tar odour and sheens present.
	TP25-04	0.2 – 0.96	Western wall of the trial pit - Concrete grade beam	-	-	No visual or olfactory contamination observed.
		1.1	Eastern portion of the trial pit - Orange plastic pipe circa 15cm in diameter orientated north/south.			
		1.7 - >2.0	Western wall of the trial pit - Concrete wall (suspected gasholder tank wall). The entire width of the concrete wall could not be exposed due to the overlying grade beam.			
	TP25-05	0.1 – 0.86	Central portion of the trial pit - Concrete grade beam. Approximately 0.5 m width.	2.2 – 2.3	Made Ground	Moderate hydrocarbon odour and silvery sheen.
		1.5	Northern portion of the trial pit - yellow plastic pipe approximately 250 mm diameter orientated east/west.			
	TP25-06	0.8	Central portion of the trial pit – brick wall circa 0.46 m width (suspected gasholder tank wall).	0.55 – 1.0	Made ground – outside gasholder	Moderate hydrocarbon odour. Occasional blue and green staining on bricks.
		0.85	Northern portion of the trial pit – Two cast iron pipes circa 4-inch diameter orientated east/west. Southern-most pipe is broken.	1.0 – 2.0	Made ground - Outside gasholder	Moderate hydrocarbon odour and occasional black staining
		1.6	Northern portion of the trial pit – Cast iron pipe circa 30 cm diameter orientated east/west.	-	-	-
	TP25-17	1.3	Broken clay duct with 3 black cables within.	0.8 – 2.4	Made Ground	Occasional clinker.
Gasholder 2 - infilled below ground tank	MW25-10	-	Made Ground encountered to 6.3 m bgl overlying natural clay.	1.85 – 2.7	Made Ground	Coke & timber. Moderate hydrocarbon odour and black staining between 2.5 and 2.6 m bgl.
				2.7 – 6.3	Made Ground	Clinker & timber. Moderate to strong hydrocarbon odour & sheens.
	MW25-30	Surface concrete	Significant rebar within concrete surface slab – core terminated & relocated.	-	-	-
	MW25-30A	0.8 / 0.9	Concrete slab – suspected foundation of Block 1. Position relocated	-	-	No visual or olfactory contamination observed.
	MW25-30B	-	Made Ground encountered to 5.3 m bgl overlying natural clay.	1.1 – 5.1	Made Ground	Coal and rubber. Moderate to strong hydrocarbon odour from 2 m bgl and sheens on core exterior from 2.1 m bgl. Black staining from 2.7 m bgl.
	TP25-07	0.1 – 0.86	West of the trial pit - Concrete grade beam.	-	-	No visual or olfactory contamination observed.
		1.5, 1.6	Concrete encountered in the west and east.			

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		and 2.0				
	TP25-08	1.1	Pea gravel present at 1.10 m bgl in northern wall of trial pit. Potential service within the pea gravel.	-	-	No visual or olfactory contamination observed.
		1.3 - >2.5	Northern portion of pit - Red brick wall in poor condition (suspected gasholder tank wall).			
	TP25-09	0.3	Eastern portion of pit - Concrete grade foundation. Made Ground encountered to 4.0 m bgl.	0.8 – 4.0	Made Ground	Mild hydrocarbon odour.
		0.8 – 1.2	Centre-north of trial pit - rectangular concrete slab approximately 0.4 m width x 0.10 m thick. Pea gravel below the concrete slab with a ~0.2 m diameter brown plastic pipe within.	3.8	Made Ground	Water has a slight sheen and mild hydrocarbon odour.
		2.5 - 4	Part of a former redbrick structure removed from trial pit ~0.8 m x 0.4 m.			
	VW25-14	0.76 – 0.83	Corner of wooden structure.	-	-	No visual or olfactory contamination observed.
Gasholder 3 - infilled below ground tank	MW25-17	4.2 – 4.6	Concrete with redbrick onto natural sand.	0.5 – 1.9	Made Ground	Coal, clinker and timber. Faint to moderate tar / hydrocarbon odour from 0.7 m bgl.
				1.9 – 4.2	Made Ground	Metal and timber. Faint hydrocarbon odour on timber fragments.
	MW25-22	-	Base not encountered. Made ground to >4 m bgl.	0.44 – 0.82	Made Ground	Coke and ceramic. Faint hydrocarbon odour.
				0.82 – 1.1	Made Ground	Coke, coal and rope. Faint hydrocarbon odour.
				1.1 – 1.3	Made Ground	Rusty orange staining.
				1.3 – 4.0	Made Ground	Timber, metal, ceramic and timber. Faint tar / organic odour.
	TP25-10	-	Made Ground encountered to >2.9 m bgl.	0.3 – 0.9	Made Ground (Inside footprint of gasholder tank)	Tarmacadam, and occasional wood.
				2.5 – 2.9	Made Ground (Inside footprint of gasholder tank)	Dark grey and black staining with moderate hydrocarbon and sulphuric odour (within the water column).
	TP25-11	1.5	Concrete across the base of the trial pit.	0.08 – 1.5	Made Ground	Tarmacadam, and occasional wood. Moderate hydrocarbon odour at 0.4 m bgl.
	TP25-12	-	Made Ground encountered to >1.9 m bgl.	0.08 – 1.9	Made Ground	Coke and occasional wood.
				1.3 – 1.9	Made Ground	Moderate hydrocarbon odour.
				1.5	Made Ground	Silvery sheen and moderate hydrocarbon odour noted on water.
	TP25-13	1.3	Concrete across the base of the trial pit.	0.08 – 1.3	Made Ground	Tarmacadam and occasional wood.
				0.4	Made Ground	Moderate hydrocarbon odour.
	VW25-11	0.55	Solid base identified.	-	-	No visual or olfactory contamination observed.
	VW25-11A	-	Made Ground encountered to >1.0 m bgl.	0.06 – 0.15	Made Ground	Slag.
				0.9 – 1.0	Made Ground	Mild hydrocarbon odour.
Gasholder 4 - above ground structure with concrete slab	MW25-26	0.6 – 0.85	Concrete slab (suspected Gasholder base slab)	-	-	No visual or olfactory contamination observed.
	TP25-14	0.3 – 0.7	Concrete slab circa 0.4 m thick (suspected Gasholder base slab)	0.65 – 0.77	Made Ground	Tarmacadam.
		0.5	Black pipe (service) in the western wall of the trial pit.			

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		Depth (m bgl)	Details of structures/ Made Ground depth	Depth (m bgl)	Strata	Details
	TP25-15	1.1	Porous concrete pipe located along the edge of the former concrete gasholder base. 30 cm diameter orientated north-west south-east.	-	-	No visual or olfactory contamination observed.
		1.2 – 1.6	Concrete slab circa 0.4 m thick (suspected Gasholder base slab)			
	TP25-16	1.3	Porous concrete pipe located along the edge of the former concrete gasholder base. 30 cm diameter orientated north-west south-east.	-	-	No visual or olfactory contamination observed.
		1.4	Concrete slab (suspected Gasholder base slab)			
	VW25-07	-	Made Ground encountered to >1.1 m bgl.	-	-	No visual or olfactory contamination observed.
Primary purifiers	MW25-09	0.35	Concrete base – potential foundation from Block 2. Position relocated.	-	-	No visual or olfactory contamination observed.
	MW25-09A	0.2	Concrete base – potential foundation from Block 2. Position relocated.	-	-	No visual or olfactory contamination observed.
	MW25-11	-	Made Ground encountered to 1.8 m bgl.	0.05 – 1.8	Made Ground	Charcoal.
	TP25-21	1.7	Hard flat obstruction across base of pit.	0.3 – 1.7	Made Ground	Charcoal.
				1.5	Made Ground	Mild hydrocarbon odour and silvery sheen on water and saturated soils.
	VW25-01 (MW25-09B)	0.8	Position terminated due to brick structure.	0.25 – 0.8	Made Ground	Coke, clinker, slag, potential foul lime.
Oxide shed	MW25-12	-	Made Ground encountered to 1.8 m bgl.	0.06 – 0.9	Made Ground	Coke, clinker and wood.
				0.9 – 1.8	Made Ground	Coke and clinker. Faint burnt odour.
Benzol washer (and nearby structures)	MW25-32	1.15 – 1.5	Concrete with brick matrix. Made Ground encountered to 1.7 m bgl.	0.0 – 0.4	Made Ground	Ash, charcoal and coke.
				0.4 – 1.15	Made Ground	Ash, glass and plastic.
				1.5 – 1.7	Made Ground	Very faint hydrocarbon odour.
				1.7 – 2.8	Wolston Sand & Gravel	Faint hydrocarbon odour, reducing with depth.
	VW25-18	0.55	Brick foundation encountered across southern and eastern extent of pit.	0.9 – 1.2	Made Ground	Black staining, strong tarry odour and sheen.
Meter house	MW25-31	-	Terminated at 0.3 m bgl due to concrete cobbles / boulders. Position relocated.	0.0 – 0.3	Made Ground	Wood and glass.
	MW25-31A	1.1	Metallic flat surface underlain by whole bricks. Made Ground encountered to 1.6 m bgl.	0.0 – 1.2	Made Ground	Charcoal.
				1.2 – 1.6	Made Ground	Glass. Mild tar odour.
Boiler house (and nearby structures)	MW25-21	-	Made Ground encountered to 0.6 m bgl.	3.4 – 3.8	Wolston Sand & Gravel	Brown / black staining. No odours noted.
	VW25-17	-	Made Ground encountered to 0.9 m bgl.	-	-	No visual or olfactory contamination observed.
	VW25-25	-	Made Ground encountered to 0.6 m bgl.	-	-	No visual or olfactory contamination observed.
Purifier catch boxes / possible tar wells	MW25-14	2 – 2.5	Concrete with brick matrix.	0.24 – 1.9	Made Ground	Charcoal, metal.
				1.9 – 2.0	Made Ground	Tarry sludge (no visual product) with a strong tarry odour.
	TP25-20	0.5 – 1.6	Corbelled redbrick wall in the centre of the pit.	0.3 – 1.6	Made Ground	Charcoal.
		2.2 – 2.6	Concrete slab in the west of the pit. Approximately 40 cm thick.	1.6 – 2.1	Made Ground	Wood. Black with a dark blue hue. Strong sulphuric and sweet odour.
Unknow structures to the northwest of the purifier catch boxes – possible purifiers	MW25-09C	0.0 – 0.95	Vertical concrete wall on western edge of hand put. Vertical brick wall on eastern edge of hand pit.	0.0 – 0.95	Made Ground	Coke and ash.
		0.95 – 1.3	Reinforced concrete.	4 – 7	Made Ground	Moderate tar odour & black staining.
		1.3 – 6.5	Red brick structure (potential wall)	7 – 8.5	Made Ground	Strong tar odour, sheen, small speckles of brown product.

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		Depth (m bgl)	Details of structures/ Made Ground depth	Depth (m bgl)	Strata	Details
		6.5 – 9.45	Fibrous wood layer, becoming intermixed with clay to 9.45 m bgl.	8.5 – 9.45	Made Ground	Moderate tar odour.
Diesel generator / electricity sub station	MW25-35	-	Made Ground encountered to 1.1 m bgl.	0.2 – 0.7	Made Ground	Charcoal and coke.
				0.7 – 1.1	Made Ground	Coke, clinker and ash.
Tar well	MW25-18	3 – 3.4	Concrete and brick matrix onto natural clay.	3 – 3.4	Made Ground	Mild burn odour with occasional black staining.
				3.4 – 4.5	Wolston Sand & Gravel	Mild burn tar odour.
				4.5 – 4.8	Wolston Sand & Gravel	Mottled grey and black staining. Mild burnt odour.
Scrubbers	MW25-16	Surface concrete	Significant rebar within concrete surface slab – core terminated and relocated.	-	-	-
	MW25-16A	-	Made Ground encountered to 1.85 m bgl.	0.18 – 0.7	Made Ground	Ash, coke and slag. Milt to moderate tarry odour.
				0.7 – 1.4	Made Ground	Coke and clinker. Moderate tar odour. Black staining from 1.35 m bgl with pockets of tar, silvery sheen, and strong tar odour.
				1.4 – 1.75	Made Ground	Wood. Strong petrol / tar odour. Silvery sheen and blue hue.
				1.75 – 1.85	Made Ground	Timber / wood, charcoal. Strong fuel and tar odour, black staining and small pockets of black tar.
				1.85 – 2.25	Wolston Sand & Gravel	Residual tar through fissures, silver sheen and strong fuel / tar odour.
				2.25 – 3.4	Wolston Sand & Gravel	Mild hydrocarbon odour.
				3.4 – 4.0	Wolston Sand & Gravel	Moderate tar odour at 3.4 to 3.7 m bgl and brownish black product within sandy layers at 0.37 – 4 m bgl. Strong tar odour and sheen.
				4.0 – 4.9	Wolston Sand & Gravel	Mild tar odour.
Unknown structure to the north of the scrubbers	MW25-15	0.39	Concrete base. Position relocated.	-	-	No visual or olfactory contamination observed.
	MW25-15A	0.38	Concrete base. Position relocated.	-	-	No visual or olfactory contamination observed.
	MW25-15B	0.42	Concrete base. Position relocated.	-	-	No visual or olfactory contamination observed.
	MW25-15C	-	Made Ground encountered to 2.6 m bgl.	0.6 – 1.85	Made Ground	Slag, coke and clinker.
				1.85 – 2.6	Made Ground	Coke and clinker.
				7.5 – 7.8	Wolston Sand & Gravel	Yellowish staining.
				7.4 – 8.9	Wolston Sand & Gravel	Faint hydrocarbon odour. Slight grey staining to 7.7 m bgl.
	VW25-19	0.5	Yellow warning tape east-west.	-	-	No visual or olfactory contamination observed.
	VW25-19A	-	Made Ground encountered to >1.5 m bgl.	0.0 – 1.5	Made Ground	Coal and occasional clinker (from 0.5 m bgl).
Condensers & exhauster/pump house	MW25-29	-	Made Ground encountered to 2.35 m bgl.	2.35 – 2.5	Wolston Sand & Gravel	Mottled black faint tar odours to 2.5 m bgl.
				3.5 – 4.0	Wolston Sand & Gravel	Fain tar odour with bands of thin dark grey staining.
				6.2 – 10.0	Wolston Sand & Gravel	Mild tar odour, becoming moderate from 8.4 m bgl and mild by 10 m bgl. Silvery sheen between 8.4 and 8.5 m bgl.
	VW25-12	0.6 – 1.2	Concrete beam encountered over suspected concrete foundation.	-	-	No visual or olfactory contamination observed.

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Retort houses	MW25-27	1.2 – 2.0	Concrete with red brick matrix.	0.4 – 1.2	Made Ground	Coke.
				2.0 – 3.5	Wolston Sand & Gravel	Mild tar odour. Yellowish staining, very strong odour and rainbow sheen from 3.2 m bgl.
				3.5 – 5.0	Wolston Sand & Gravel	Mild tar odour. From 4.1 m bgl, mottled black, strong odour, silvery sheen and small pockets of dark brown / black product / NAPL.
				5.0 – 8.2	Wolston Sand & Gravel	Strong tar odour and silvery sheen (to 6.9 m bgl). Dark grey staining and strong odour from 6.8 to 8.2 m bgl. Mild tar odours from 7.7 to 9 m bgl.
				7.5 – 7.7	Wolston Sand & Gravel	Moderate almond odour.
				8.2 - 10	Wolston Sand & Gravel	Mild tar odour to 9 m bgl. Mild organic odour from 9 to 10 m bgl.
Chimneys	TP25-18	0.3	Concrete grade beams with rebar across the northern half of the trial pit.	1.5 – 2.6	Made Ground	Occasional clinker and charcoal.
		1.3 – 2.5	Concrete and redbrick structure in the centre of the trial pit. Two vertical metallic circular pipes present within the brick structure at 1.3 to 2.5 m bgl. Pipes are 30 cm diameter (western pipe) and 10 cm diameter (eastern pipe).	1.2 – 1.4	Made Ground	Pulverised Fuel Ash (PFA)
				2.6 - >4	Made Ground	Mild to moderate hydrocarbon odour and slight sheen.
CWG Plant	MW25-20	1.3 – 1.4	Concrete layer.	0.9 – 1.3	Made Ground	Coke and charcoal.
				3.0 – 3.3	Wolston Sand & Gravel	Moderate hydrocarbon / fuel odour, silvery sheen and black mottling.
				3.3 – 7.65	Wolston Sand & Gravel	Strong fuel odour, silvery sheen through sand and black staining. Silvery sheen and very strong fuel odour to 6.5 m bgl.
				7.65 – 8.7	Wolston Sand & Gravel	Mild organic / fuel odour.
				8.7 - 10	Wolston Clay Member	Mild organic odour.
Former diesel tank (southeast)	MW25-34	1.6 – 2.1	Cast iron structure with base (potentially part of former structure).	0.37 – 0.75	Made Ground	Coal.
				0.95 – 1.5	Made Ground	Faint hydrocarbon odour.
				5.5 – 5.6	Wolston Sand & Gravel	Yellow staining.
				6 – 8.2	Wolston Sand & Gravel	Strong hydrocarbon odours. Rainbow sheens from 6.3 m bgl and black staining from 8 m bgl.
				8.2 – 8.7	Wolston Clay Member	Odour and sheens on core – likely from groundwater.
Managers house and unknown structures in the south of Area B	VW25-15	-	Made Ground encountered to 1.0 m bgl	0.2 – 1.0	Made Ground	Coal and clinker.
	VW25-16	0.45	Suspected brick foundation.	-	-	No visual or olfactory contamination observed.
	VW25-16A	-	Made Ground encountered to 1.1 m bgl	-	-	No visual or olfactory contamination observed.
Outside of known structures (Area B)	MW25-05	0.45	Location terminated within Made Ground at 0.45 m bgl due a sandstone cobble.	-	-	No visual or olfactory contamination observed.
	MW25-05A	-	Made Ground encountered to 1.65 m bgl	0.8 – 1.0	Made Ground	Ash, coke, clinker. Mild burnt odour.
				1.0 – 1.35	Made Ground	Charcoal, clinker. No odours.
				1.35 –	Made Ground	Charcoal. String sweet hydrocarbon odour

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				1.65		
				1.65 – 2.2	Made Ground	Dark grey mottling. Mild hydrocarbon odour, disappearing with depth.
				2.2 – 3.5	Wolston Sand & Gravel	Mild organic odour.
	MW25-08	-	Made Ground encountered to 2.6 m bgl.	5.3 – 8.2	Wolston Sand & Gravel	Strong hydrocarbon odours and sheens observed.
				0.4 – 0.75	Made Ground	Coal, clinker.
				0.75 – 1.5	Made Ground	Coke, clinker. Faint tar odour 0.75 – 1.2 m bgl, organic odour from 1.2 m bgl.
				1.5 – 2.6	Made Ground	Coke, clinker, wood. Faint organic odour.
				0.4 – 0.65	Made Ground	Coke, clinker and rubber.
				-	-	No visual or olfactory contamination observed.
				0.3 – 0.8	Made Ground	Coke.
	MW25-19	0.65	Position terminated due to concrete base. Position relocated.	0.8 – 4.8	Made Ground	Faint organic odour.
				-	-	No visual or olfactory contamination observed.
	MW25-19A	-	Made Ground encountered to 1.55 m bgl.	-	-	No visual or olfactory contamination observed.
	MW25-24	-	Made Ground encountered to 0.8m bgl.	-	-	No visual or olfactory contamination observed.
				-	-	No visual or olfactory contamination observed.
	VW25-08	-	Made Ground encountered to 0.96 m bgl.	-	-	No visual or olfactory contamination observed.
	VW25-09	-	Made Ground encountered to >1.0 m bgl.	0.33 – 1.0	Made Ground	Mild hydrocarbon odour, becoming faint from 0.75 m bgl.
Outside of known structures (Area C)	VW25-10	0.6	Two clay pipes and electrical cable.	-	-	No visual or olfactory contamination observed.
	VW25-13	0.36 – 0.73	Concrete beam.	-	-	No visual or olfactory contamination observed.
	MW25-28	0.53	Position terminated due to earth cables at base of pit. Position relocated.	-	-	No visual or olfactory contamination observed.
	MW25-28A	-	Made Ground encountered to 0.75m bgl.	0.5 – 0.75	Made Ground	Faint tar odour.
				0.7 – 1.0		Faint tar odour.
				3.7 – 7.6		Occasional black staining.
	VW25-05	-	Made Ground encountered to 0.4 m bgl.	-	-	No visual or olfactory contamination observed.
	VW25-06	-	Made Ground encountered to 0.53 m bgl.	0.53 – 0.8	-	Black staining with mild hydrocarbon odour.

Appendix E: Laboratory Reports

Worley Consulting
Studio 1NW
The Quorum
Bond Street
Bristol
BS1 3AE

t: 01179105123

e: leanne.carr@worley.com
ingrid.laubscher@worley.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 25-005445

Replaces Analytical Report Number: 25-005445, issue no. 1
Additional analysis undertaken.
Leachate TPH (EC10 - EC40) added to samples 444962-444965 by laboratory.
Result correction.

Results for soil TPH and PAH in sample 444965 corrected by laboratory.

Project / Site name:	Cadent Hinckley	Samples received on:	05/02/2025
Your job number:	00401	Samples instructed on/ Analysis started on:	06/02/2025
Your order number:	415001-00017_00401	Analysis completed by:	05/03/2025
Report Issue Number:	2	Report issued on:	05/03/2025
Samples Analysed:	25 soil samples - 4 leachate samples		

Signed:

Joanna Wawrzeczko
Joanna Wawrzeczko
Senior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :	soils	- 4 weeks from reporting
	leachates	- 2 weeks from reporting
	waters	- 2 weeks from reporting
	asbestos	- 6 months from reporting
	air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	444952	444953	444954	444955	444956
Sample Reference	TP25-01	TP25-01	TP25-02	TP25-02	TP25-03
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.30	1.00	1.00	3.60	0.40
Date Sampled	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken	1030	1035	1400	1405	1600
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	55.6	< 0.1	24.2	< 0.1	37.7
Moisture Content	%	0.01	NONE	5.5	13	10	20	12
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DKI	-	-	-	DKI
Analysis completed	N/A	N/A	N/A	11/02/2025	-	-	-	11/02/2025

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.4	8.3	8.6	8.2	9.5
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	69	100	130	210	240
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	34.6	51.2	65.8	105	121
Sulphide	mg/kg	1	MCERTS	3.1	< 1.0	16	160	22
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	13	38	17	13	37
Elemental Sulphur	mg/kg	5	MCERTS	19	< 5.0	69	< 5.0	25
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	3.8	5.1	< 0.5	< 0.5	8.5
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	1	0.7	0.6	1.6	1.3
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.7	1.9	1.1	1.7	3.9

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				444952	444953	444954	444955	444956
Sample Reference				TP25-01	TP25-01	TP25-02	TP25-02	TP25-03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	1.00	1.00	3.60	0.40
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1030	1035	1400	1405	1600
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.07	< 0.05	0.06	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.17	< 0.05	0.08	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.17	< 0.05	0.07	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.1	< 0.05	0.06	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.11	< 0.05	0.09	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.08	< 0.05	0.06	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	10	14	18	11	9.4
Boron (water soluble)	mg/kg	0.2	MCERTS	1.1	0.7	1	0.7	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13	23	17	13	24
Copper (aqua regia extractable)	mg/kg	1	MCERTS	17	16	22	18	32
Lead (aqua regia extractable)	mg/kg	1	MCERTS	21	14	260	9.9	17
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	12	23	11	21	23
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.1	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	78	50	82	54	73

Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444952	444953	444954	444955	444956
Sample Reference				TP25-01	TP25-01	TP25-02	TP25-02	TP25-03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	1.00	1.00	3.60	0.40
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1030	1035	1400	1405	1600
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	-	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	-	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	-	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	-	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	-	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	-	< 10	< 10	< 10	250
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Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444952	444953	444954	444955	444956
Sample Reference				TP25-01	TP25-01	TP25-02	TP25-02	TP25-03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	1.00	1.00	3.60	0.40
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1030	1035	1400	1405	1600
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

VOCs

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	U/S *U/S f
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	U/S *U/S f
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	U/S *U/S f
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	U/S *U/S f
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	U/S *U/S f

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	444957	444958	444959	444960	444961
Sample Reference	TP25-03	MW25-01	MW25-01	MW25-01	MW25-02
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.40	0.45	1.40	3.80	0.25
Date Sampled	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken	1605	1115	1410	1555	1115
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	10.6	< 0.1	< 0.1	46.9
Moisture Content	%	0.01	NONE	16	28	19	18	7.4
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	Not-detected	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	DKI	-	-	DKI
Analysis completed	N/A	N/A	N/A	-	11/02/2025	-	-	11/02/2025

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.2	8.1	8.2	8.3	11.5
Total Cyanide	mg/kg	1	MCERTS	< 1.0	82	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	82	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	91	530	74	450	200
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	45.6	263	36.9	223	99.9
Sulphide	mg/kg	1	MCERTS	5.3	71	6.8	100	12
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	75	110	54	46	150
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	2000	8.1	9.4	37
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	2.5	70	13	0.7	3.1
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	0.6	7.8	0.3	1.7	1
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	0.0019	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.6	9.1	0.8	1.8	2.7

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				444957	444958	444959	444960	444961
Sample Reference				TP25-03	MW25-01	MW25-01	MW25-01	MW25-02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.40	0.45	1.40	3.80	0.25
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1605	1115	1410	1555	1115
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	4.4	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	1.1	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	2.4	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	1.6	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	4.7	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	1.6	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	6.6	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	6	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	2.6	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	2.9	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	4	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	2.1	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	3.5	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	2	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.32	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	2.3	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	48.1	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	10	24	2.9	14	14
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	6.4	0.9	0.7	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.6	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	52	8.8	18	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	100	11	21	23
Lead (aqua regia extractable)	mg/kg	1	MCERTS	11	62	5.5	14	54
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.4	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	19	23	26	19	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.7	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	47	120	71	54	58

Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444957	444958	444959	444960	444961
Sample Reference				TP25-03	MW25-01	MW25-01	MW25-01	MW25-02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.40	0.45	1.40	3.80	0.25
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1605	1115	1410	1555	1115
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	0.31	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	5.4	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	50	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	63	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	150	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	270	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	0.26	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	4.3	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	26	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	56	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	96	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	180	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	-	< 10	< 10	< 10
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Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444957	444958	444959	444960	444961
Sample Reference				TP25-03	MW25-01	MW25-01	MW25-01	MW25-02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.40	0.45	1.40	3.80	0.25
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1605	1115	1410	1555	1115
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

VOCs

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	0.04	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	0.049	< 0.005	< 0.005	< 0.005

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	444962	444963	444964	444965	444966
Sample Reference	MW25-02	MW25-03	MW25-03	MW25-04A	MW25-04A
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.30	1.20	0.70	1.30
Date Sampled	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken	1137	1507	1510	1205	1443
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	40.4	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	11	23	11	41
Total mass of sample received	kg	0.1	NONE	0.8	0.8	0.8	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	Not-detected	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	-	DKI	-	DKI	-
Analysis completed	N/A	N/A	N/A	-	11/02/2025	-	11/02/2025	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.8	8.9	8.2	7.6	6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	35	1.4
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	35	1.4
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	120	57	300	3700	4000
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	59.9	28.5	152	1850	1990
Sulphide	mg/kg	1	MCERTS	5.8	< 1.0	2.9	21	58
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	59	6.3	48	42	280
Elemental Sulphur	mg/kg	5	MCERTS	32	< 5.0	7.9	110	1800
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	16	< 0.5	1.6	19	210
Organic Matter	%	0.1	MCERTS	-	-	-	19	18
Organic Matter (automated)	%	0.1	MCERTS	0.7	1	1.7	-	-
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	2.7	2.3	4	76	23

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444962	444963	444964	444965	444966
Sample Reference				MW25-02	MW25-03	MW25-03	MW25-04A	MW25-04A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.30	1.20	0.70	1.30
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1137	1507	1510	1205	1443
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.11	0.16	17	0.43
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.53	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.14	< 0.05	0.58	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.11	< 0.05	1.3	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.99	0.13	8.2	0.13
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.2	< 0.05	1.5	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	1.2	0.1	5.6	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	1.1	0.08	4.6	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.5	< 0.05	1.8	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.61	< 0.05	1.9	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.69	< 0.05	1.8	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.19	< 0.05	0.48	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.54	< 0.05	1	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.22	< 0.05	0.55	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.05	< 0.05	0.13	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.34	< 0.05	0.67	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	6.92	< 0.80	47.8	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.8	7.4	7.9	27	130
Boron (water soluble)	mg/kg	0.2	MCERTS	1.6	1.1	1.3	3.3	3.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	24	18	34	5.8	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12	24	22	25	29
Lead (aqua regia extractable)	mg/kg	1	MCERTS	16	210	13	54	14
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	0.7	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	12	34	8.1	39
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	1.9	24
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	47	110	73	23	56

Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444962	444963	444964	444965	444966
Sample Reference				MW25-02	MW25-03	MW25-03	MW25-04A	MW25-04A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.30	1.20	0.70	1.30
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1137	1507	1510	1205	1443
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	0.045 ~	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	0.066 ~	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	0.028 ~	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	37	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	16	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	12	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	72	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	140	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	0.11 ~	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	0.093 ~	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	-	0.13 ~	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	2.3	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	11	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	11	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	34	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	58	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	210	< 10	-	< 10
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Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444962	444963	444964	444965	444966
Sample Reference				MW25-02	MW25-03	MW25-03	MW25-04A	MW25-04A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.30	1.20	0.70	1.30
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1137	1507	1510	1205	1443
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

VOCs

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	0.11 ~	0.01
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	0.094 ~	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	0.018 ~	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	0.062 ~	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	0.033 ~	< 0.005

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	444967	444968	444969	444970	444971
Sample Reference	MW25-04A	MW25-02	DUP-2	MW52-03	DUP-1
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	2.10	1.50	None Supplied	3.00	None Supplied
Date Sampled	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken	1510	1115	None Supplied	1520	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	20	18	21	19	18
Total mass of sample received	kg	0.1	NONE	0.6	0.8	0.6	0.8	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	-	-
Analysis completed	N/A	N/A	N/A	-	-	-	-	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8	8.5	8.6	8.4	8.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	200	66	160	270	300
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	97.6	33.1	82.4	137	152
Sulphide	mg/kg	1	MCERTS	3.6	2	3	120	210
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	67	21	72	31	37
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	17	11
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	11	0.9	13	< 0.5	< 0.5
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	0.4	0.3	0.4	1.6	1.3
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.0022	-	-	0.0092	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	0.6	1.1	0.5	1.9	1.8

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	444967	444968	444969	444970	444971
Sample Reference	MW25-04A	MW25-02	DUP-2	MW52-03	DUP-1
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	2.10	1.50	None Supplied	3.00	None Supplied
Date Sampled	03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken	1510	1115	None Supplied	1520	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	2.4	13	2.4	6.5	5.9
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	0.7	0.4	0.5	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8.9	12	8	14	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	11	13	17	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	7.1	6.6	6.5	9	9.3
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	10	16	9.8	18	20
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.2	< 1.0	1.3	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	39	32	34	53	51

Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444967	444968	444969	444970	444971
Sample Reference				MW25-04A	MW25-02	DUP-2	MW52-03	DUP-1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.10	1.50	None Supplied	3.00	None Supplied
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1510	1115	None Supplied	1520	None Supplied
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	88	< 10	< 10	< 10	< 10
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Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444967	444968	444969	444970	444971
Sample Reference				MW25-04A	MW25-02	DUP-2	MW52-03	DUP-1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.10	1.50	None Supplied	3.00	None Supplied
Date Sampled				03/02/2025	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken				1510	1115	None Supplied	1520	None Supplied
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		
VOCs								
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	444972	444973	444974	444975	444976
Sample Reference	TP25-04	TP25-04	TP25-05	TP25-05	TP25-05
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.30	2.00	0.35	2.20	2.10
Date Sampled	03/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Time Taken	1030	1035	1445	1510	1455
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	33.9	34	31.2	24.2	51.2
Moisture Content	%	0.01	NONE	8.7	17	7.3	12	17
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	DKI	-	DKI	-	-
Analysis completed	N/A	N/A	N/A	11/02/2025	-	11/02/2025	-	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	11.5	9	9.5	8.2	8.9
Total Cyanide	mg/kg	1	MCERTS	< 1.0	2.3	< 1.0	61	1.5
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	2.3	< 1.0	61	1.5
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	210	1400	980	4800	1600
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	106	685	488	2420	814
Sulphide	mg/kg	1	MCERTS	2.4	5.1	6.2	78	23
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	21	25	21	120	45
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	10	19	1200	54
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	< 0.5	17	0.8
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	< 0.1	0.6	0.7	2.3	0.6
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	0.0037
Loss on Ignition @ 450°C	%	0.2	MCERTS	0.8	1.7	2.3	2.4	1.3

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				444972	444973	444974	444975	444976
Sample Reference				TP25-04	TP25-04	TP25-05	TP25-05	TP25-05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	0.35	2.20	2.10
Date Sampled				03/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Time Taken				1030	1035	1445	1510	1455
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.4	2.7	2.8	0.33
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.24	0.22	3.5	0.52
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	3.2	0.17
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.05	0.12	7.4	0.3
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.5	0.67	27	3.4
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.13	0.2	8.8	0.66
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.95	1	41	4.4
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.93	0.89	35	3.8
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.63	0.62	19	2.1
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.7	0.61	16	2.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	1.1	0.82	18	2.6
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.53	0.35	9.9	1.1
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.97	0.76	19	2.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.71	0.48	8.4	1.4
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.14	0.09	2	0.32
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.79	0.49	8.5	1.4

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	8.74	10.1	228	26.7
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	14	13	22	11
Boron (water soluble)	mg/kg	0.2	MCERTS	1.2	2.1	2.3	3.7	3.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	0.3	< 0.2	0.5	0.3
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13	20	16	42	15
Copper (aqua regia extractable)	mg/kg	1	MCERTS	22	38	24	47	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	14	73	29	80	60
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	17	13	30	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	54	130	57	86	85

Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444972	444973	444974	444975	444976
Sample Reference				TP25-04	TP25-04	TP25-05	TP25-05	TP25-05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	0.35	2.20	2.10
Date Sampled				03/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Time Taken				1030	1035	1445	1510	1455
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	6.7	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	78	8.1
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	110	15
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	220	15
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	410	39

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	0.51	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	-	0.7	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	10	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	100	10
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	260	30
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	290	31
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	660	72

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	11	< 10	-	-
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Analytical Report Number: 25-005445
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				444972	444973	444974	444975	444976
Sample Reference				TP25-04	TP25-04	TP25-05	TP25-05	TP25-05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	0.35	2.20	2.10
Date Sampled				03/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Time Taken				1030	1035	1445	1510	1455
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

VOCs

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	0.51	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	0.36	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number	444958	444962	444963	444965
Sample Reference	MW25-01	MW25-02	MW25-03	MW25-04A
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A
Depth (m)	0.45	0.50	0.30	0.70
Date Sampled	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken	1115	1137	1507	1205
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status	

General Inorganics

pH (automated)	pH Units	N/A	ISO 17025	8.3	7.9	8.2	7.8
Electrical Conductivity	µS/cm	10	ISO 17025	270	130	160	640
Total Cyanide	mg/l	0.01	ISO 17025	0.052	< 0.010	< 0.010	0.18
Complex Cyanide	mg/l	0.01	ISO 17025	0.0523	< 0.0100	< 0.0100	0.1798
Free Cyanide	mg/l	0.01	ISO 17025	< 0.010	< 0.010	< 0.010	< 0.010
Thiocyanate as SCN	mg/l	0.2	ISO 17025	0.4	< 0.2	< 0.2	< 0.2
Sulphate as SO ₄	mg/l	0.045	ISO 17025	34.5	9.14	18.7	284
Elemental Sulphur	mg/l	20	NONE	< 20	< 20	< 20	< 20
Sulphide	mg/l	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005
Chloride	mg/l	0.15	ISO 17025	11	9	5.2	4.9
Ammoniacal Nitrogen as NH ₄ ⁺	mg/l	0.015	NONE	6.4	2.8	0.18	2
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	77	27	11	5.9
Total Suspended Solids	mg/l	2	NONE	< 2.0	< 2.0	< 2.0	< 2.0

Phenols by HPLC

Catechol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Resorcinol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylphenol & Dimethylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cresols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Naphthols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
2-Isopropylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Phenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Trimethylphenol (2,3,5-)	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005

Total Phenols

Total Phenols (HPLC)	mg/l	0.0035	NONE	< 0.0035	< 0.0035	< 0.0035	< 0.0035
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Speciated PAHs

Naphthalene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	0.00021	< 0.00001
Acenaphthylene	mg/l	0.00001	NONE	0.00032	< 0.00001	< 0.00001	< 0.00001
Acenaphthene	mg/l	0.00001	NONE	0.00227	< 0.00001	< 0.00001	< 0.00001
Fluorene	mg/l	0.00001	NONE	0.00145	0.00004	0.00003	< 0.00001
Phenanthrene	mg/l	0.00001	NONE	0.00089	0.00018	0.00011	< 0.00001
Anthracene	mg/l	0.00001	NONE	0.00042	< 0.00001	< 0.00001	< 0.00001
Fluoranthene	mg/l	0.00001	NONE	0.00047	0.00009	0.00004	< 0.00001
Pyrene	mg/l	0.00001	NONE	0.00028	0.00006	0.00003	< 0.00001
Benzo(a)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Chrysene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(b)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(k)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(a)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Dibenz(a,h)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(ghi)perylene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Total PAH

Total EPA-16 PAHs	mg/l	0.00016	NONE	0.0061	0.00038	0.00041	< 0.00016
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Analytical Report Number: 25-005445
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number	444958	444962	444963	444965
Sample Reference	MW25-01	MW25-02	MW25-03	MW25-04A
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A
Depth (m)	0.45	0.50	0.30	0.70
Date Sampled	03/02/2025	03/02/2025	03/02/2025	03/02/2025
Time Taken	1115	1137	1507	1205
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Heavy Metals / Metalloids

Arsenic (dissolved)	mg/l	0.001	ISO 17025	0.009	0.005	0.001	0.007
Cadmium (dissolved)	mg/l	0.00008	ISO 17025	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Chromium (hexavalent)	mg/l	0.005	ISO 17025	< 0.005	< 0.005	< 0.005	< 0.005
Chromium (dissolved)	mg/l	0.0004	ISO 17025	0.0043	0.0048	< 0.0004	< 0.0004
Copper (dissolved)	mg/l	0.0007	ISO 17025	0.0065	0.0047	0.0009	0.0008
Iron (dissolved)	mg/l	0.004	ISO 17025	1.4	4.2	0.089	0.12
Lead (dissolved)	mg/l	0.001	ISO 17025	0.004	0.004	< 0.001	< 0.001
Mercury (dissolved)	mg/l	0.0005	ISO 17025	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Nickel (dissolved)	mg/l	0.0003	ISO 17025	0.0052	0.005	0.0005	0.0007
Selenium (dissolved)	mg/l	0.004	ISO 17025	< 0.004	< 0.004	< 0.004	< 0.004
Zinc (dissolved)	mg/l	0.0004	ISO 17025	0.0082	0.0095	0.0019	0.0037

Petroleum Hydrocarbons

TPH - Aliphatic >EC5 - EC6 _{HS 1D AL}	mg/l	0.001	NONE	< 0.0010	-	-	-
TPH - Aliphatic >EC6 - EC8 _{HS 1D AL}	mg/l	0.001	NONE	< 0.0010	-	-	-
TPH - Aliphatic >EC8 - EC10 _{HS 1D AL}	mg/l	0.001	NONE	< 0.0010	-	-	-
TPH - Aliphatic >EC10 - EC12	mg/l	0.01	NONE	< 0.01	-	-	-
TPH - Aliphatic >EC12 - EC16	mg/l	0.01	NONE	< 0.01	-	-	-
TPH - Aliphatic >EC16 - EC21	mg/l	0.01	NONE	< 0.01	-	-	-
TPH - Aliphatic >EC21 - EC35	mg/l	0.01	NONE	< 0.01	-	-	-
Total TPH Aliphatic >EC10 - EC35	mg/l	0.01	NONE	< 0.01	-	-	-

TPH - Aromatic >EC5 - EC7 _{HS 1D AR}	mg/l	0.001	NONE	< 0.0010	-	-	-
TPH - Aromatic >EC7 - EC8 _{HS 1D AR}	mg/l	0.001	NONE	< 0.0010	-	-	-
TPH - Aromatic >EC8 - EC10 _{HS 1D AR}	mg/l	0.001	NONE	< 0.0010	-	-	-
TPH - Aromatic >EC10 - EC12	mg/l	0.01	NONE	0.09	-	-	-
TPH - Aromatic >EC12 - EC16	mg/l	0.01	NONE	0.22	-	-	-
TPH - Aromatic >EC16 - EC21	mg/l	0.01	NONE	0.13	-	-	-
TPH - Aromatic >EC21 - EC35	mg/l	0.01	NONE	0.34 [#]	-	-	-
Total TPH Aromatic >EC10 - EC35	mg/l	0.01	NONE	0.78	-	-	-

TPH (EC10 - EC40) _{EH 2D_TOTAL_#1_#2}	mg/l	0.01	NONE	-	0.06	0.1	0.07
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VOCs

Benzene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	0.001
Toluene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001
P & m-Xylene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001
O-Xylene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-005445
Project / Site name: Cadent Hinckley

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
444952	TP25-01	None Supplied	0.3	Brown loam and clay with stones
444953	TP25-01	None Supplied	1	Brown clay and sand with gravel
444954	TP25-02	None Supplied	1	Brown clay and sand with stones
444955	TP25-02	None Supplied	3.6	Brown clay and sand
444956	TP25-03	None Supplied	0.4	Brown clay and sand with stones
444957	TP25-03	None Supplied	1.4	Brown clay and sand with gravel
444958	MW25-01	None Supplied	0.45	Brown clay and sand with stones
444959	MW25-01	None Supplied	1.4	Brown clay and sand with gravel
444960	MW25-01	None Supplied	3.8	Brown clay and sand with gravel
444961	MW25-02	None Supplied	0.25	Brown loam and sand with stones
444962	MW25-02	None Supplied	0.5	Brown clay and sand with gravel
444963	MW25-03	None Supplied	0.3	Brown clay and sand with brick and stones
444964	MW25-03	None Supplied	1.2	Brown clay and sand with gravel
444965	MW25-04A	None Supplied	0.7	Black gravelly sand with coal
444966	MW25-04A	None Supplied	1.3	Black clay and sand with gravel
444967	MW25-04A	None Supplied	2.1	Brown clay and sand with gravel
444968	MW25-02	None Supplied	1.5	Brown clay and sand with gravel
444969	DUP-2	None Supplied	None Supplied	Brown clay and sand with gravel
444970	MW52-03	None Supplied	3	Brown clay and sand with gravel
444971	DUP-1	None Supplied	None Supplied	Brown clay and sand with gravel
444972	TP25-04	None Supplied	0.3	Brown clay and sand with gravel and stones
444973	TP25-04	None Supplied	2	Brown clay and sand with gravel and stones
444974	TP25-05	None Supplied	0.35	Brown clay and sand with gravel and stones
444975	TP25-05	None Supplied	2.2	Brown clay and sand with gravel and stones
444976	TP25-05	None Supplied	2.1	Brown clay and loam with gravel and stones

Analytical Report Number : 25-005445

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in leachate	Determination of elemental sulphur in leachate by extraction in dichloromethane followed by GC-MS	In-house method: Sample is extracted in dichloromethane prior to analysis by GC-MS	L021B	W	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Organic matter in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L023B	D	MCERTS
Phenols, speciated, in soil, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	D	MCERTS
Electrical conductivity at 20°C of leachate	Determination of electrical conductivity in leachate by electrometric measurement	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031B	W	ISO 17025
Dissolved Organic Carbon in leachate	Determination of dissolved organic carbon in leachate by the measurement on a non-dispersive infrared analyser of carbon dioxide released by acidification	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS

Analytical Report Number : 25-005445

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	NONE
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride in leachate	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Exchangeable Ammonium as NH4 in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Thiocyanate in leachate	Determination of thiocyanate in water by discrete analyser (colorimetry)	In-house method based on SMWW 4500-CN-M	L082B	W	ISO 17025
Thiocyanate in soil	Determination of thiocyanate in soil by extraction in water followed by acidification followed by addition of ferric nitrate followed by discrete analyser (spectrophotometer)	In-house method	L082B	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE

Analytical Report Number : 25-005445

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Complex cyanide in leachate	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Free cyanide in leachate	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Ammonium as NH ₄ in leachate	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	ISO 17025
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Sulphide in leachate	Determination of sulphide in leachate by ion selective electrode	In-house method	L029-PL	W	NONE
Phenols, speciated, in leachate, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L070B/L088-PL	W	NONE
Fraction Organic Carbon FOC Automated	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate	In-house method	L009B	D	MCERTS
Suspended Solids in leachate	Determination of Settleable Solids by gravimetry	In-house method	L004B	W	NONE
Total petroleum hydrocarbons with carbon banding by GCxGC-FID	Determination of total petroleum hydrocarbons in leachate by GC x GC FID with carbon banding aliphatic and aromatic C10-C35	In-house method	L101B	W	NONE

Analytical Report Number : 25-005445

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total petroleum hydrocarbons in leachate	Determination of total petroleum hydrocarbons in leachate by GC x GC FID	In-house method	L101B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

~ - Quality control surrogate recovery outside of limits, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

*U/S f - Unsuitable for analysis due to sample matrix (sample has absorbed the internal standard, which is used to calculate the concentrations of the determined chemical compounds.)

- Quality control parameter failure associated with this result; other checks applied prior to reporting the data have been accepted. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.

Sample Deviation Report



Analytical Report Number : 25-005445

Project / Site name: Cadent Hinckley

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
MW25-04A	None Supplied	S	444965	c	Speciated PAHs and/or Semi-volatile organic compounds	L064B	c
MW25-04A	None Supplied	S	444965	c	Total petroleum hydrocarbons by GC-FID/GC-MS	L076B/L088-B	c

Worley Consulting
Studio 1NW
The Quorum
Bond Street
Bristol
BS1 3AE

t: 01179105123

e: leanne.carr@worley.com
ingrid.laubscher@worley.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 25-006486

Replaces Analytical Report Number: 25-006486, issue no. 1
Additional analysis undertaken.

Asbestos quantification added to samples 450290 and 450309, VOC & SVOC add to sample 450312
TPH C10-C40 added to samples 450296 & 450314 at clients request

Project / Site name:	Cadent Hinckley	Samples received on:	07/02/2025
Your job number:	00401	Samples instructed on/ Analysis started on:	12/02/2025
Your order number:	415001-00017_00401	Analysis completed by:	28/02/2025
Report Issue Number:	2	Report issued on:	28/02/2025
Samples Analysed:	27 soil samples - 4 leachate samples		



Signed:

Adam Fenwick
Key Account Executive
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	450290	450291	450292	450293	450294
Sample Reference	TP25-06	TP25-06	TP25-07	TP25-07	TP25-08
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.40	1.90	0.50	1.80	0.60
Date Sampled	05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025
Time Taken	1030	1035	1130	1135	1430
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	43.6	< 0.1	36.6	40.8	< 0.1
Moisture Content	%	0.01	NONE	8.7	17	6.9	7.4	7.2
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Detected	-	Not-detected	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KJK	-	KJK	-	KJK
Analysis completed	N/A	N/A	N/A	14/02/2025	-	14/02/2025	-	14/02/2025
Actinolite detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	Detected	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	< 0.001	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Loose Fibres	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	11.5	8.2	11.2	11	9.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0	1.9	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	1.9	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	170	330	1200	440	400
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	84.8	167	583	219	200
Sulphide	mg/kg	1	MCERTS	1.8	28	3.6	7	1.3
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	5.8	32	18	23	25
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	88	9.3	14	< 5.0
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	10	< 0.5	< 0.5	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	0.3	1.1	< 0.1	< 0.1	0.3
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.1	3.1	1.1	1	0.7

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	450290	450291	450292	450293	450294
Sample Reference	TP25-06	TP25-06	TP25-07	TP25-07	TP25-08
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.40	1.90	0.50	1.80	0.60
Date Sampled	05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025
Time Taken	1030	1035	1130	1135	1430
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.06	21	0.22	0.63	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.11	2.6	0.08	0.67	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	4.3	0.05	0.19	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	4.4	0.07	0.76	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.32	13	0.39	2.9	0.13
Anthracene	mg/kg	0.05	MCERTS	0.11	2.7	< 0.05	0.79	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.86	8	0.57	1.8	0.37
Pyrene	mg/kg	0.05	MCERTS	< 0.05	7.8	0.54	2	0.36
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.51	3.7	0.31	0.91	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.57	3.3	0.29	0.94	0.21
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.85	3.5	0.46	0.95	0.32
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.39	1.4	< 0.05	< 0.05	0.12
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.73	3.3	0.39	0.86	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.4	1.4	0.2	0.37	0.18
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.11	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.44	1.3	0.23	0.36	0.16

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	5.47	81.4	3.82	14.1	1.84
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15	14	17	18	14
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	1.5	0.7	0.9	2.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	31	16	28	15
Copper (aqua regia extractable)	mg/kg	1	MCERTS	40	26	20	24	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	21	29	46	63	16
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	13	32	13	15	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	56	80	67	71	52

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	-	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	-	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	-	0.13	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	-	15	-	2	-
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	-	97	-	5	-
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	-	96	-	10	-
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	-	22	-	17	-
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	-	230	-	34	-

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	-	0.37	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	-	0.19	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	-	4	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	-	24	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	-	110	-	4.5	-
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	-	88	-	11	-
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	-	28	-	< 10	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450290	450291	450292	450293	450294
Sample Reference				TP25-06	TP25-06	TP25-07	TP25-07	TP25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	1.90	0.50	1.80	0.60
Date Sampled				05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025
Time Taken				1030	1035	1130	1135	1430
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	250	-	15	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	30	-	31	-	< 10
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VOCs

Benzene	µg/kg	5	MCERTS	-	370	-	< 5.0	-
Toluene	µg/kg	5	MCERTS	-	190	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	-	1600	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	-	590	-	< 8.0	-
o-Xylene	µg/kg	5	MCERTS	-	1200	-	< 5.0	-

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	< 0.005	-	< 0.005	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	0.37	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	0.19	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	1.6	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	0.59	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	1.2	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450290	450291	450292	450293	450294
Sample Reference				TP25-06	TP25-06	TP25-07	TP25-07	TP25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	1.90	0.50	1.80	0.60
Date Sampled				05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025
Time Taken				1030	1035	1130	1135	1430
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006486
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				450290	450291	450292	450293	450294
Sample Reference				TP25-06	TP25-06	TP25-07	TP25-07	TP25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	1.90	0.50	1.80	0.60
Date Sampled				05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025
Time Taken				1030	1035	1130	1135	1430
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	-	-
Total Residue	mg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	450295	450296	450297	450298	450299
Sample Reference	TP25-08	MW25-06	MW25-06	MW25-05A	MW25-05A
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	2.40	0.20	1.00	0.02	0.80
Date Sampled	05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025
Time Taken	1435	1600	1615	0927	1121
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	45.2	< 0.1	< 0.1	27.8
Moisture Content	%	0.01	NONE	21	5.8	15	1.7	11
Total mass of sample received	kg	0.1	NONE	0.6	0.8	0.8	0.8	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	Not-detected	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	KJK	-	-	KJK
Analysis completed	N/A	N/A	N/A	-	14/02/2025	-	-	14/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.6	8.7	8.6	-	10.4
Total Cyanide	mg/kg	1	MCERTS	12	< 1.0	< 1.0	-	130
Complex Cyanide	mg/kg	1	MCERTS	12	< 1.0	< 1.0	-	130
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	1.3
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	5.2
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	840	54	470	-	4300
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	420	27.1	234	-	2150
Sulphide	mg/kg	1	MCERTS	32	2.6	76	-	70
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	37	9.3	71	-	330
Elemental Sulphur	mg/kg	5	MCERTS	190	< 5.0	32	-	670
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	1.4	-	27
Organic Matter (automated)	%	0.1	MCERTS	1.9	0.6	1.6	-	2.6
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	2.5	0.6	1.9	-	3.7

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	-	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	-	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	-	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	-	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	-	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	-	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	-	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	-	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	-	< 1.4
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Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	450295	450296	450297	450298	450299
Sample Reference	TP25-08	MW25-06	MW25-06	MW25-05A	MW25-05A
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	2.40	0.20	1.00	0.02	0.80
Date Sampled	05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025
Time Taken	1435	1600	1615	0927	1121
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	2	< 0.05	< 0.05	< 0.05	0.84
Acenaphthylene	mg/kg	0.05	MCERTS	3.9	< 0.05	< 0.05	0.13	3.3
Acenaphthene	mg/kg	0.05	MCERTS	1.2	< 0.05	< 0.05	< 0.05	1.5
Fluorene	mg/kg	0.05	MCERTS	4.9	< 0.05	< 0.05	< 0.05	5.1
Phenanthrene	mg/kg	0.05	MCERTS	16	< 0.05	< 0.05	< 0.05	35
Anthracene	mg/kg	0.05	MCERTS	5.1	< 0.05	< 0.05	0.13	9.7
Fluoranthene	mg/kg	0.05	MCERTS	18	< 0.05	< 0.05	1.1	36
Pyrene	mg/kg	0.05	MCERTS	17	< 0.05	< 0.05	1.6	29
Benzo(a)anthracene	mg/kg	0.05	MCERTS	9.3	< 0.05	< 0.05	0.63	13
Chrysene	mg/kg	0.05	MCERTS	7.7	< 0.05	< 0.05	1.1	13
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	8.5	< 0.05	< 0.05	1.4	15
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.2	< 0.05	< 0.05	0.47	7
Benzo(a)pyrene	mg/kg	0.05	MCERTS	8.5	< 0.05	< 0.05	1	15
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	3.2	< 0.05	< 0.05	0.6	6.5
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.91	< 0.05	< 0.05	0.31	1.5
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	3.2	< 0.05	< 0.05	0.67	6.8

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	112	< 0.80	< 0.80	9.02	198
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	19	16	18	-	17
Boron (water soluble)	mg/kg	0.2	MCERTS	3.5	0.6	0.8	-	1.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	-	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	26	9.8	21	-	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	33	44	22	-	31
Lead (aqua regia extractable)	mg/kg	1	MCERTS	130	10	12	-	80
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.3	< 0.3	< 0.3	-	0.4
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	6.3	25	-	19
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110	63	64	-	76

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	-	-	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	-	-	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	0.14	-	-	-	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	8.5	-	-	-	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	49	-	-	-	14
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	50	-	-	-	34
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	33	-	-	-	53
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	140	-	-	-	100

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	0.095	-	-	-	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	0.17	-	-	-	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	3.5	-	-	-	< 0.020
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	3	-	-	-	1.1
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	52	-	-	-	17
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	150	-	-	-	88
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	160	-	-	-	120

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450295	450296	450297	450298	450299			
Sample Reference				TP25-08	MW25-06	MW25-06	MW25-05A	MW25-05A			
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied			
Water Matrix				N/A	N/A	N/A	N/A	N/A			
Depth (m)				2.40	0.20	1.00	0.02	0.80			
Date Sampled				05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025			
Time Taken				1435	1600	1615	0927	1121			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status								
TPHCWG - Aromatic >EC5 - EC35_EH_CU+HS_1D_AR				mg/kg	10	NONE					
				360	-	-	-	230			

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	-	< 10	< 10	-	-
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VOCs

Benzene	µg/kg	5	MCERTS	91	-	-	-	< 5.0
Toluene	µg/kg	5	MCERTS	160	-	-	-	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	880	-	-	-	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	1300	-	-	-	< 8.0
o-Xylene	µg/kg	5	MCERTS	720	-	-	-	< 5.0

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	-	-	-	< 0.005
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	0.091	< 0.005	< 0.005	-	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	0.16	< 0.005	< 0.005	-	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	0.88	< 0.005	< 0.005	-	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	1.3	< 0.008	< 0.008	-	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	0.72	< 0.005	< 0.005	-	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450295	450296	450297	450298	450299
Sample Reference				TP25-08	MW25-06	MW25-06	MW25-05A	MW25-05A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.40	0.20	1.00	0.02	0.80
Date Sampled				05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025
Time Taken				1435	1600	1615	0927	1121
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006486
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				450295	450296	450297	450298	450299
Sample Reference				TP25-08	MW25-06	MW25-06	MW25-05A	MW25-05A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.40	0.20	1.00	0.02	0.80
Date Sampled				05/02/2025	05/02/2025	05/02/2025	05/02/2025	05/02/2025
Time Taken				1435	1600	1615	0927	1121
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		
Hexachlorobenzene				mg/kg	0.3	MCERTS	-	-
Carbazole				mg/kg	0.3	MCERTS	-	-
Dibutyl phthalate				mg/kg	0.2	NONE	-	-
Anthraquinone				mg/kg	0.3	NONE	-	-
Butyl benzyl phthalate				mg/kg	0.3	NONE	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	Not Identified	-
Total Residue	mg/kg	10	NONE	-	-	-	1600	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	450300	450301	450302	450303	450304
Sample Reference	MW25-05A	MW25-05A	TP25-09	TP25-09	TP25-10
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.50	3.40	1.90	4.00	0.20
Date Sampled	05/02/2025	05/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken	1201	1405	1045	1055	1500
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	50.1
Moisture Content	%	0.01	NONE	21	22	17	20	6
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	-	KJK
Analysis completed	N/A	N/A	N/A	-	-	-	-	14/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.4	8.5	8.4	8.8	7
Total Cyanide	mg/kg	1	MCERTS	100	< 1.0	< 1.0	2.3	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	100	< 1.0	< 1.0	2.3	< 1.0
Free Cyanide	mg/kg	1	MCERTS	1	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	4200	190	410	720	520
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	2090	94.4	204	360	258
Sulphide	mg/kg	1	MCERTS	110	9.1	40	69	6.8
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	470	54	170	210	12
Elemental Sulphur	mg/kg	5	MCERTS	2400	33	16	120	< 5.0
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	47	24	5.1	8.3	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	6.7	1	1.4	1.4	0.4
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	0.0056	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	11	1.5	2.1	2.2	1.6

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-006486

Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number	450300	450301	450302	450303	450304
Sample Reference	MW25-05A	MW25-05A	TP25-09	TP25-09	TP25-10
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.50	3.40	1.90	4.00	0.20
Date Sampled	05/02/2025	05/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken	1201	1405	1045	1055	1500
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	27	< 0.05	0.25	5.1	0.1
Acenaphthylene	mg/kg	0.05	MCERTS	1.1	< 0.05	0.3	2.7	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	1.1	< 0.05	1.3	1.3	< 0.05
Fluorene	mg/kg	0.05	MCERTS	2	< 0.05	1.2	3.5	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	8.9	< 0.05	3.8	9.1	0.09
Anthracene	mg/kg	0.05	MCERTS	2.9	< 0.05	0.71	2.9	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	12	< 0.05	2.6	5.8	0.08
Pyrene	mg/kg	0.05	MCERTS	11	< 0.05	2.3	6.6	0.06
Benzo(a)anthracene	mg/kg	0.05	MCERTS	5.5	< 0.05	0.54	3	< 0.05
Chrysene	mg/kg	0.05	MCERTS	5.4	< 0.05	0.58	3.1	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	7	< 0.05	0.5	3.2	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.2	< 0.05	0.23	1.2	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	6.1	< 0.05	0.39	3.1	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.9	< 0.05	0.16	1.2	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.63	< 0.05	< 0.05	0.31	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	3.1	< 0.05	0.2	1.2	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	100	< 0.80	15	53.2	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	83	5	9.3	9.5	36
Boron (water soluble)	mg/kg	0.2	MCERTS	3.9	0.7	1.3	3.2	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.2	< 0.2	0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	24	16	26	28	38
Copper (aqua regia extractable)	mg/kg	1	MCERTS	89	25	17	23	61
Lead (aqua regia extractable)	mg/kg	1	MCERTS	520	11	13	51	21
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	57	18	25	19	30
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	5.4	3.9	< 1.0	< 1.0	7.1
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	130	53	56	78	50

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	0.4	-	< 0.010	0.054	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	4.2	-	0.027	0.033	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	21	-	10	1.8	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	65	-	110	28	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	76	-	140	38	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	150	-	40	27	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	320	-	300	94	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	0.27	-	0.013	0.058	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	0.44	-	< 0.010	0.015	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	7.5	-	0.15	0.34	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	36	-	4.3	6.1	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	33	-	51	47	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	53	-	86	67	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	69	-	27	52	-

Analytical Report Number: 25-006486
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				450300	450301	450302	450303	450304
Sample Reference				MW25-05A	MW25-05A	TP25-09	TP25-09	TP25-10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.50	3.40	1.90	4.00	0.20
Date Sampled				05/02/2025	05/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1201	1405	1045	1055	1500
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	200	-	170	170	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	-	< 10	-	-	< 10
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VOCs

Benzene	µg/kg	5	MCERTS	250	-	11	56	-
Toluene	µg/kg	5	MCERTS	300	-	< 5.0	11	-
Ethylbenzene	µg/kg	5	MCERTS	1200	-	57	120	-
p & m-Xylene	µg/kg	8	MCERTS	640	-	8.5	61	-
o-Xylene	µg/kg	5	MCERTS	860	-	22	52	-

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	-	< 0.005	< 0.005	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	0.25	< 0.005	0.011	0.056	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	0.3	< 0.005	< 0.005	0.011	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	1.2	< 0.005	0.057	0.12	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	0.64	< 0.008	0.009	0.061	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	0.86	< 0.005	0.022	0.052	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450300	450301	450302	450303	450304
Sample Reference				MW25-05A	MW25-05A	TP25-09	TP25-09	TP25-10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.50	3.40	1.90	4.00	0.20
Date Sampled				05/02/2025	05/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1201	1405	1045	1055	1500
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006486
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				450300	450301	450302	450303	450304
Sample Reference				MW25-05A	MW25-05A	TP25-09	TP25-09	TP25-10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.50	3.40	1.90	4.00	0.20
Date Sampled				05/02/2025	05/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1201	1405	1045	1055	1500
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		
Hexachlorobenzene				mg/kg	0.3	MCERTS	-	-
Carbazole				mg/kg	0.3	MCERTS	-	-
Dibutyl phthalate				mg/kg	0.2	NONE	-	-
Anthraquinone				mg/kg	0.3	NONE	-	-
Butyl benzyl phthalate				mg/kg	0.3	NONE	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	-	-
Total Residue	mg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450305	450306	450307	450308	450309
Sample Reference				TP25-10	TP25-10	MW25-06	DUP-3	MW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	2.90	2.50	None Supplied	0.50
Date Sampled				06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1500	1500	1118	None Supplied	1435
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	9.8	18	21	20	15
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.8	0.8	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	-	Detected
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	-	KJK
Analysis completed	N/A	N/A	N/A	-	-	-	-	14/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	Detected
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	< 0.001
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	Loose Fibres
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.9	8.8	8	8.1	8.5
Total Cyanide	mg/kg	1	MCERTS	< 1.0	1.5	< 1.0	< 1.0	9.5
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	1.5	< 1.0	< 1.0	7.9
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	1.5
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	6.5
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	210	850	260	270	630
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	105	427	131	136	314
Sulphide	mg/kg	1	MCERTS	1.6	180	27	19	20
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	110	330	60	60	540
Elemental Sulphur	mg/kg	5	MCERTS	8.1	2000	7.9	< 5.0	210
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	2	< 0.5	< 0.5	17
Organic Matter (automated)	%	0.1	MCERTS	0.3	1.9	1.7	1.7	2
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1	2	3.4	3.2	3.5

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	450305	450306	450307	450308	450309
Sample Reference	TP25-10	TP25-10	MW25-06	DUP-3	MW25-08
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	2.00	2.90	2.50	None Supplied	0.50
Date Sampled	06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken	1500	1500	1118	None Supplied	1435
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	1.7	< 0.05	< 0.05	1.2
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.4	< 0.05	< 0.05	1.5
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	1.3	< 0.05	< 0.05	0.46
Fluorene	mg/kg	0.05	MCERTS	< 0.05	2.5	< 0.05	< 0.05	1.2
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	7.8	< 0.05	< 0.05	7.4
Anthracene	mg/kg	0.05	MCERTS	< 0.05	2.6	< 0.05	< 0.05	1.9
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	10	< 0.05	< 0.05	8.2
Pyrene	mg/kg	0.05	MCERTS	< 0.05	8.3	< 0.05	< 0.05	7.5
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	3.3	< 0.05	< 0.05	3.4
Chrysene	mg/kg	0.05	MCERTS	< 0.05	3.5	< 0.05	< 0.05	3
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	4	< 0.05	< 0.05	4.4
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	1.7	< 0.05	< 0.05	1.5
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	3.3	< 0.05	< 0.05	4.3
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	1.4	< 0.05	< 0.05	2.3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.3	< 0.05	< 0.05	0.39
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	1.4	< 0.05	< 0.05	2.9

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	53.3	< 0.80	< 0.80	51.7
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.2	11	12	10	19
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	1.5	1.1	0.8	2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	12	690	38	41	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12	27	25	24	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	18	380	15	16	41
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	12	27	38	38	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	41	250	78	78	71

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	-	0.2	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	-	0.55	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	-	9.5	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	-	85	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	-	330	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	-	840	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	-	1300	-	-	-

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	-	< 0.020	-	-	-
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	-	7.8	-	-	-
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	-	48	-	-	-
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	-	300	-	-	-
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	-	350	-	-	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450305	450306	450307	450308	450309
Sample Reference				TP25-10	TP25-10	MW25-06	DUP-3	MW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	2.90	2.50	None Supplied	0.50
Date Sampled				06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1500	1500	1118	None Supplied	1435
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	700	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	-	21	< 10	95
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VOCs

Benzene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
Toluene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
p & m-Xylene	µg/kg	8	MCERTS	-	< 8.0	-	-	-
o-Xylene	µg/kg	5	MCERTS	-	< 5.0	-	-	-

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	< 0.005	-	-	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450305	450306	450307	450308	450309
Sample Reference				TP25-10	TP25-10	MW25-06	DUP-3	MW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	2.90	2.50	None Supplied	0.50
Date Sampled				06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1500	1500	1118	None Supplied	1435
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006486
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				450305	450306	450307	450308	450309
Sample Reference				TP25-10	TP25-10	MW25-06	DUP-3	MW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	2.90	2.50	None Supplied	0.50
Date Sampled				06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1500	1500	1118	None Supplied	1435
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	-	-
Total Residue	mg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	450310	450311	450312	450313	450314
Sample Reference	MW25-08	MW25-08	VW25-01	MW25-07	MW25-07
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.00	2.70	0.80	0.40	1.50
Date Sampled	06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken	1438	1630	1520	0900	1002
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	30.4	< 0.1	< 0.1	37.3	< 0.1
Moisture Content	%	0.01	NONE	12	25	17	9.2	16
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	KJK	-
Analysis completed	N/A	N/A	N/A	-	-	-	14/02/2025	-
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.7	7.3	8.1	8.2	4.2
Total Cyanide	mg/kg	1	MCERTS	150	< 1.0	260	< 1.0	4
Complex Cyanide	mg/kg	1	MCERTS	140	< 1.0	250	< 1.0	4
Free Cyanide	mg/kg	1	MCERTS	2.6	< 1.0	4.5	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	5.1	8.9	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3900	370	3300	3600	3400
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	1940	186	1660	1780	1700
Sulphide	mg/kg	1	MCERTS	83	20	5.1	1.9	1.5
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	470	93	29	25	140
Elemental Sulphur	mg/kg	5	MCERTS	1200	290	49	8.1	13
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	77	57	0.7	< 0.5	3.8
Organic Matter (automated)	%	0.1	MCERTS	2.7	3.2	2.5	0.7	4.4
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	0.019	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	4.5	5.9	5.3	1	6.5

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	450310	450311	450312	450313	450314
Sample Reference	MW25-08	MW25-08	VW25-01	MW25-07	MW25-07
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.00	2.70	0.80	0.40	1.50
Date Sampled	06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken	1438	1630	1520	0900	1002
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.76	< 0.05	0.31	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.28	< 0.05	0.67	0.19	0.14
Acenaphthene	mg/kg	0.05	MCERTS	0.56	< 0.05	0.13	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.89	< 0.05	0.33	0.13	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	5.6	0.14	4.9	1.6	0.82
Anthracene	mg/kg	0.05	MCERTS	1.5	< 0.05	1.3	0.36	0.23
Fluoranthene	mg/kg	0.05	MCERTS	9	0.26	9.2	1.6	2.6
Pyrene	mg/kg	0.05	MCERTS	7.7	0.23	7.7	1.3	2.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	4	0.11	4.5	0.65	1.7
Chrysene	mg/kg	0.05	MCERTS	4.3	0.17	4.1	0.59	2
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	5.1	0.19	5.8	0.52	2.9
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	2.1	0.09	1.9	0.35	1.1
Benzo(a)pyrene	mg/kg	0.05	MCERTS	4.2	0.14	4.4	0.56	2.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2	0.06	2.2	0.35	1.3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.54	< 0.05	0.44	< 0.05	0.26
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	2.2	0.07	2.3	0.34	1.2

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	50.8	1.47	50.2	8.5	19.1
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	21	23	59	11	17
Boron (water soluble)	mg/kg	0.2	MCERTS	3.4	1.6	1.5	3	3.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	0.5	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	29	36	20	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	43	23	72	33	42
Lead (aqua regia extractable)	mg/kg	1	MCERTS	91	34	290	18	110
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	7	< 0.3	0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	24	25	29	15	27
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	1.8	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	91	100	240	93	110

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	-
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	-
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	-
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	2.4	-	< 1.0	-	-
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	7.7	-	4.5	-	-
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	13	-	27	-	-
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	30	-	63	-	-
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	53	-	95	-	-

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	-
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	-	0.025	-	-
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	-	< 0.020	-	-
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	-	2.4	-	-
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	-	8.7	-	-
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	16	-	26	-	-
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	31	-	40	-	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450310	450311	450312	450313	450314
Sample Reference				MW25-08	MW25-08	VW25-01	MW25-07	MW25-07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.00	2.70	0.80	0.40	1.50
Date Sampled				06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1438	1630	1520	0900	1002
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}				mg/kg	10	NONE	47	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	-	< 10	190	< 10	37
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VOCs

Benzene	µg/kg	5	MCERTS	6.6	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-

Chloromethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	< 0.0050	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	-	< 0.005	-	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	< 0.0050	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	< 0.0070	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Benzene	mg/kg	0.005	MCERTS	0.007	< 0.005	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	< 0.0060	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	0.024	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	< 0.0060	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	< 0.0050	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450310	450311	450312	450313	450314
Sample Reference				MW25-08	MW25-08	VW25-01	MW25-07	MW25-07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.00	2.70	0.80	0.40	1.50
Date Sampled				06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1438	1630	1520	0900	1002
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	< 0.0080	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	< 0.2	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	< 0.2	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	< 0.05	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	< 0.2	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	0.6	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	0.5	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	< 0.3	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-

Analytical Report Number: 25-006486
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				450310	450311	450312	450313	450314
Sample Reference				MW25-08	MW25-08	VW25-01	MW25-07	MW25-07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.00	2.70	0.80	0.40	1.50
Date Sampled				06/02/2025	06/02/2025	06/02/2025	06/02/2025	06/02/2025
Time Taken				1438	1630	1520	0900	1002
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.30	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	0.4	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	0.8	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	< 0.3	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	-	-
Total Residue	mg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450315	450316
Sample Reference				MW25-07	MW25-07
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				5.00	8.40
Date Sampled				06/02/2025	06/02/2025
Time Taken				1143	1150
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	16
Total mass of sample received	kg	0.1	NONE	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-
Analysis completed	N/A	N/A	N/A	-	-
Actinolite detected	Type	N/A	ISO 17025	-	-
Amosite detected	Type	N/A	ISO 17025	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.4	8.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	130	340
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	67.5	169
Sulphide	mg/kg	1	MCERTS	< 1.0	110
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	18	40
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	1.5	3.1
Organic Matter (automated)	%	0.1	MCERTS	< 0.1	2.5
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	0.014
Loss on Ignition @ 450°C	%	0.2	MCERTS	0.4	3.9

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4
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Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450315	450316
Sample Reference				MW25-07	MW25-07
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				5.00	8.40
Date Sampled				06/02/2025	06/02/2025
Time Taken				1143	1150
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.4	11
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	6.3	31
Copper (aqua regia extractable)	mg/kg	1	MCERTS	7.5	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	5.8	13
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7.5	30
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	27	59

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450315	450316
Sample Reference				MW25-07	MW25-07
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				5.00	8.40
Date Sampled				06/02/2025	06/02/2025
Time Taken				1143	1150
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	-	-

TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10
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VOCs

Benzene	µg/kg	5	MCERTS	-	-
Toluene	µg/kg	5	MCERTS	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-
p & m-Xylene	µg/kg	8	MCERTS	-	-
o-Xylene	µg/kg	5	MCERTS	-	-

Chloromethane	mg/kg	0.005	MCERTS	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				450315	450316
Sample Reference				MW25-07	MW25-07
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				5.00	8.40
Date Sampled				06/02/2025	06/02/2025
Time Taken				1143	1150
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-
Azobenzene	mg/kg	0.3	NONE	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-

Analytical Report Number: 25-006486
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				450315	450316
Sample Reference				MW25-07	MW25-07
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				5.00	8.40
Date Sampled				06/02/2025	06/02/2025
Time Taken				1143	1150
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-
Total Residue	mg/kg	10	NONE	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
450290	TP25-06	0.40	181	Loose Fibres	Chrysotile	< 0.001	< 0.001
450309	MW25-08	0.50	148	Loose Fibres	Chrysotile	< 0.001	< 0.001

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number	450296	450300	450310	450314
Sample Reference	MW25-06	MW25-05A	MW25-08	MW25-07
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A
Depth (m)	0.20	1.50	1.00	1.50
Date Sampled	05/02/2025	05/02/2025	06/02/2025	06/02/2025
Time Taken	1600	1201	1438	1002
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status	

General Inorganics

pH (automated)	pH Units	N/A	ISO 17025	8.5	7.8	7.8	4.5
Electrical Conductivity	µS/cm	10	ISO 17025	67	880	1300	1400
Total Cyanide	mg/l	0.01	ISO 17025	< 0.010	0.22	0.8	< 0.010
Complex Cyanide	mg/l	0.01	ISO 17025	< 0.0100	0.2176	0.7928	< 0.0100
Free Cyanide	mg/l	0.01	ISO 17025	< 0.010	< 0.010	0.011	< 0.010
Thiocyanate as SCN	mg/l	0.2	ISO 17025	< 0.2	0.4	0.4	< 0.2
Sulphate as SO ₄	mg/l	0.045	ISO 17025	5.1	381	674	793
Elemental Sulphur	mg/l	20	NONE	< 20	< 20	< 20	< 20
Sulphide	mg/l	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005
Chloride	mg/l	0.15	ISO 17025	1.6	43	50	16
Ammoniacal Nitrogen as NH ₄ ⁺	mg/l	0.015	NONE	0.019	5.4	8	0.5
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	3.9	15	10	6.1
Total Suspended Solids	mg/l	2	NONE	2.7	< 2.0	< 2.0	< 2.0

Phenols by HPLC

Catechol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Resorcinol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylphenol & Dimethylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cresols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Naphthols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
2-Isopropylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Phenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Trimethylphenol (2,3,5-)	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005

Total Phenols

Total Phenols (HPLC)	mg/l	0.0035	NONE	< 0.0035	< 0.0035	< 0.0035	< 0.0035
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Speciated PAHs

Naphthalene	mg/l	0.00001	NONE	0.00011	0.13491 %	0.00115	< 0.00001
Acenaphthylene	mg/l	0.00001	NONE	< 0.00001	0.0008	0.00021	< 0.00001
Acenaphthene	mg/l	0.00001	NONE	< 0.00001	0.00169	0.00045	< 0.00001
Fluorene	mg/l	0.00001	NONE	0.00001	0.00197	0.00056	< 0.00001
Phenanthrene	mg/l	0.00001	NONE	0.00004	0.00202	0.00107	< 0.00001
Anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Fluoranthene	mg/l	0.00001	NONE	< 0.00001	0.0005	0.0002	< 0.00001
Pyrene	mg/l	0.00001	NONE	< 0.00001	0.00032	0.00014	< 0.00001
Benzo(a)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Chrysene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(b)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(k)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(a)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Dibenz(a,h)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(ghi)perylene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Total PAH

Total EPA-16 PAHs	mg/l	0.00016	NONE	< 0.00016	0.14221	0.0038	< 0.00016
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Heavy Metals / Metalloids

Analytical Report Number: 25-006486
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number				450296	450300	450310	450314
Sample Reference				MW25-06	MW25-05A	MW25-08	MW25-07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.20	1.50	1.00	1.50
Date Sampled				05/02/2025	05/02/2025	06/02/2025	06/02/2025
Time Taken				1600	1201	1438	1002
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status				
Arsenic (dissolved)	mg/l	0.001	ISO 17025	0.002	0.013	0.005	0.002
Cadmium (dissolved)	mg/l	0.00008	ISO 17025	< 0.00008	< 0.00008	< 0.00008	0.00354
Chromium (hexavalent)	mg/l	0.005	ISO 17025	< 0.005	< 0.005	< 0.005	< 0.005
Chromium (dissolved)	mg/l	0.0004	ISO 17025	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Copper (dissolved)	mg/l	0.0007	ISO 17025	0.0011	0.0008	0.002	0.0041
Iron (dissolved)	mg/l	0.004	ISO 17025	0.6	0.17	0.42	0.034
Lead (dissolved)	mg/l	0.001	ISO 17025	< 0.001	< 0.001	< 0.001	0.017
Mercury (dissolved)	mg/l	0.0005	ISO 17025	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Nickel (dissolved)	mg/l	0.0003	ISO 17025	< 0.0003	0.0107	0.0017	0.0961
Selenium (dissolved)	mg/l	0.004	ISO 17025	< 0.004	< 0.004	0.005	< 0.004
Zinc (dissolved)	mg/l	0.0004	ISO 17025	0.0032	0.0026	0.0016	0.7297

Petroleum Hydrocarbons

TPH - Aliphatic >EC5 - EC35 ^{HS+EH_2D_AL_#1_#2}	mg/l	0.01	NONE	-	0.04	< 0.01	-
TPH - Aliphatic >EC5 - EC6 ^{HS_1D_AL}	mg/l	0.001	NONE	-	< 0.0010	< 0.0010	-
TPH - Aliphatic >EC6 - EC8 ^{HS_1D_AL}	mg/l	0.001	NONE	-	< 0.0010	< 0.0010	-
TPH - Aliphatic >EC8 - EC10 ^{HS_1D_AL}	mg/l	0.001	NONE	-	< 0.0010	< 0.0010	-
TPH - Aliphatic >EC10 - EC12	mg/l	0.01	NONE	-	0.03	< 0.01	-
TPH - Aliphatic >EC12 - EC16	mg/l	0.01	NONE	-	0.01	< 0.01	-
TPH - Aliphatic >EC16 - EC21	mg/l	0.01	NONE	-	< 0.01	< 0.01	-
TPH - Aliphatic >EC21 - EC35	mg/l	0.01	NONE	-	< 0.01	< 0.01	-

TPH - Aromatic >EC5 - EC35 ^{HS+EH_2D_AR_#1_#2}	mg/l	0.01	NONE	-	2.57	< 0.01	-
TPH - Aromatic >EC5 - EC7 ^{HS_1D_AR}	mg/l	0.001	NONE	-	< 0.0010	< 0.0010	-
TPH - Aromatic >EC7 - EC8 ^{HS_1D_AR}	mg/l	0.001	NONE	-	< 0.0010	< 0.0010	-
TPH - Aromatic >EC8 - EC10 ^{HS_1D_AR}	mg/l	0.001	NONE	-	< 0.0010	< 0.0010	-
TPH - Aromatic >EC10 - EC12	mg/l	0.01	NONE	-	1.98	< 0.01	-
TPH - Aromatic >EC12 - EC16	mg/l	0.01	NONE	-	0.36	< 0.01	-
TPH - Aromatic >EC16 - EC21	mg/l	0.01	NONE	-	0.11	< 0.01	-
TPH - Aromatic >EC21 - EC35	mg/l	0.01	NONE	-	0.11 [#]	< 0.01 ^{##}	-

TPH (EC10 - EC40) ^{EH_2D_TOTAL_#1_#2}	mg/l	0.01	NONE	< 0.01	-	-	< 0.01
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VOCs

Methyl-t-butyl ether (MTBE)	mg/l	0.003	NONE	-	< 0.003	< 0.003	-
Benzene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001
P & m-Xylene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001
O-Xylene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-006486

Project / Site name: Cadent Hinckley

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
450290	TP25-06	None Supplied	0.4	Brown clay and sand with rubble and stones
450291	TP25-06	None Supplied	1.9	Brown clay and loam with gravel
450292	TP25-07	None Supplied	0.5	Brown loam with stones
450293	TP25-07	None Supplied	1.8	Brown loam with stones
450294	TP25-08	None Supplied	0.6	Brown loam and clay with gravel
450295	TP25-08	None Supplied	2.4	Brown loam and clay with oil / petroleum
450296	MW25-06	None Supplied	0.2	Brown loam with stones
450297	MW25-06	None Supplied	1	Brown sandy clay
450298	MW25-05A	None Supplied	0.02	Non Soil. ⁹
450299	MW25-05A	None Supplied	0.8	Brown loam with stones
450300	MW25-05A	None Supplied	1.5	Brown clay and sand with gravel
450301	MW25-05A	None Supplied	3.4	Brown sandy clay
450302	TP25-09	None Supplied	1.9	Brown clay with gravel
450303	TP25-09	None Supplied	4	Brown sandy clay with oil / petroleum
450304	TP25-10	None Supplied	0.2	Brown loam with stones
450305	TP25-10	None Supplied	2	Brown sand
450306	TP25-10	None Supplied	2.9	Non Soil. ⁹
450307	MW25-06	None Supplied	2.5	Brown clay
450308	DUP-3	None Supplied	None Supplied	Brown clay
450309	MW25-08	None Supplied	0.5	Brown clay and loam
450310	MW25-08	None Supplied	1	Brown loam with stones
450311	MW25-08	None Supplied	2.7	Brown clay
450312	VW25-01	None Supplied	0.8	Brown loam and gravel
450313	MW25-07	None Supplied	0.4	Brown loam with stones
450314	MW25-07	None Supplied	1.5	Brown clay and loam with gravel
450315	MW25-07	None Supplied	5	Brown sand
450316	MW25-07	None Supplied	8.4	Brown clay

Analytical Report Number : 25-006486

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in leachate	Determination of elemental sulphur in leachate by extraction in dichloromethane followed by GC-MS	In-house method: Sample is extracted in dichloromethane prior to analysis by GC-MS	L021B	W	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Phenols, speciated, in soil, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	D	MCERTS
Electrical conductivity at 20°C of leachate	Determination of electrical conductivity in leachate by electrometric measurement	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031B	W	ISO 17025
Dissolved Organic Carbon in leachate	Determination of dissolved organic carbon in leachate by the measurement on a non-dispersive infrared analyser of carbon dioxide released by acidification	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS

Analytical Report Number : 25-006486

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Coal Tar in soil	In-house method by GC-MS, by calculation of discrete polycyclic aromatic content	In-house method by calculation	L064B	D	NONE
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphénylcarbazide followed by colorimetry	In-house method	L080-PL	W	NONE
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride in leachate	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Exchangeable Ammonium as NH ₄ in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Thiocyanate in leachate	Determination of thiocyanate in water by discrete analyser (colorimetry)	In-house method based on SMWW 4500-CN-M	L082B	W	ISO 17025
Thiocyanate in soil	Determination of thiocyanate in soil by extraction in water followed by acidification followed by addition of ferric nitrate followed by discrete analyser (spectrophotometer)	In-house method	L082B	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE

Analytical Report Number : 25-006486

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE
Complex cyanide in leachate	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Free cyanide in leachate	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Ammonium as NH4 in leachate	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry	In-house method	L080-PL	W	ISO 17025
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Sulphide in leachate	Determination of sulphide in leachate by ion selective electrode	In-house method	L029-PL	W	NONE
Phenols, speciated, in leachate, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L070B/L088-PL	W	NONE
Fraction Organic Carbon FOC Automated	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate	In-house method	L009B	D	MCERTS
Suspended Solids in leachate	Determination of Settleable Solids by gravimetry	In-house method	L004B	W	NONE
Total petroleum hydrocarbons with carbon banding by GCxGC-FID	Determination of total petroleum hydrocarbons in leachate by GC x GC FID with carbon banding aliphatic and aromatic C10-C35	In-house method	L101B	W	NONE
Total petroleum hydrocarbons in leachate	Determination of total petroleum hydrocarbons in leachate by GC x GC FID	In-house method	L101B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Analytical Report Number : 25-006486

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

\$% - Concentration has been determined by extrapolated calibration as analyte concentration is above the concentration range for the procedure. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.

- Quality control parameter failure associated with this result; other checks applied prior to reporting the data have been accepted. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.

- Quality control parameter has a high recovery (outside of limit); however the associated result is below the reporting limit, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

*g - Unaccredited sample matrix.

Analytical Report Number : 25-006486

Project / Site name: Cadent Hinckley

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e -

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DUP-3	N/A	S	450308	c	Sulphide in soil	L010-PL	c
MW25-05A	N/A	S	450299	c	Sulphide in soil	L010-PL	c
MW25-05A	N/A	S	450300	c	Sulphide in soil	L010-PL	c
MW25-05A	N/A	S	450301	c	Sulphide in soil	L010-PL	c
MW25-06	N/A	S	450296	c	Sulphide in soil	L010-PL	c
MW25-06	N/A	S	450297	c	Sulphide in soil	L010-PL	c
MW25-06	N/A	S	450307	c	Sulphide in soil	L010-PL	c
MW25-07	N/A	S	450313	c	Sulphide in soil	L010-PL	c
MW25-07	N/A	S	450314	c	Sulphide in soil	L010-PL	c
MW25-07	N/A	S	450315	c	Sulphide in soil	L010-PL	c
MW25-07	N/A	S	450316	c	Sulphide in soil	L010-PL	c
MW25-08	N/A	S	450309	c	Sulphide in soil	L010-PL	c
MW25-08	N/A	S	450310	c	Sulphide in soil	L010-PL	c
MW25-08	N/A	S	450311	c	Sulphide in soil	L010-PL	c
TP25-06	N/A	S	450290	c	Sulphide in soil	L010-PL	c
TP25-06	N/A	S	450291	c	Sulphide in soil	L010-PL	c
TP25-07	N/A	S	450292	c	Sulphide in soil	L010-PL	c
TP25-07	N/A	S	450293	c	Sulphide in soil	L010-PL	c
TP25-08	N/A	S	450294	c	Sulphide in soil	L010-PL	c
TP25-08	N/A	S	450295	c	Sulphide in soil	L010-PL	c
TP25-09	N/A	S	450302	c	Sulphide in soil	L010-PL	c
TP25-09	N/A	S	450303	c	Sulphide in soil	L010-PL	c
TP25-10	N/A	S	450304	c	Sulphide in soil	L010-PL	c
TP25-10	N/A	S	450305	c	Sulphide in soil	L010-PL	c
TP25-10	N/A	S	450306	c	Sulphide in soil	L010-PL	c
VW25-01	N/A	S	450312	c	Sulphide in soil	L010-PL	c

Worley Consulting
Studio 1NW
The Quorum
Bond Street
Bristol
BS1 3AE

t: 01179105123

e: leanne.carr@worley.com
ingrid.laubscher@worley.com
labdata@advisian.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 25-006725

Replaces Analytical Report Number: 25-006725, issue no. 1

Additional analysis undertaken.

Asbestos Quantification added to sample 451474 & 451485, TPH CWG added to samples 451469 & 451481
and VOCs added to sample 451473 as per clients request

Project / Site name:	Cadent Hinckley	Samples received on:	11/02/2025
Your job number:	00401	Samples instructed on/ Analysis started on:	13/02/2025
Your order number:	415001-00017_00401	Analysis completed by:	10/03/2025
Report Issue Number:	2	Report issued on:	12/03/2025
Samples Analysed:	27 soil samples - 3 leachate samples		

Signed:



Matthew O'Connell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.

Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.

Application of uncertainty of measurement would provide a range within which the true result lies.

An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451467	451468	451469	451470	451471
Sample Reference	TP25-11	TP25-11	TP25-12	TP25-12	TP25-13
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.30	1.40	0.20	1.00	0.50
Date Sampled	07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025
Time Taken	1030	1035	1300	1305	1430
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	61.6	56.5	66.7	56.7	< 0.1
Moisture Content	%	0.01	NONE	6.1	10	3.6	9.6	15
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	MJN	-	MJN	-	-
Analysis completed	N/A	N/A	N/A	17/02/2025	-	17/02/2025	-	-
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.2	11	9.6	7.6	8.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	7.1	< 1.0	83	30
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	7.1	< 1.0	83	30
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	110	750	70	3600	920
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	52.7	376	35	1810	462
Sulphide	mg/kg	1	MCERTS	< 1.0	23	< 1.0	6.3	21
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	27	240	18	160	47
Elemental Sulphur	mg/kg	5	MCERTS	8.3	27	8.8	100	140
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	1.4	< 0.5	0.9	8.9
Organic Matter (automated)	%	0.1	MCERTS	1	1.4	1.8	1.7	1.9
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.5	2.8	1.9	2.9	3.6

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451467	451468	451469	451470	451471
Sample Reference	TP25-11	TP25-11	TP25-12	TP25-12	TP25-13
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.30	1.40	0.20	1.00	0.50
Date Sampled	07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025
Time Taken	1030	1035	1300	1305	1430
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.36	1	< 0.05	1.1	18
Acenaphthylene	mg/kg	0.05	MCERTS	0.09	0.74	< 0.05	0.29	7.4
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.31	< 0.05	0.17	3
Fluorene	mg/kg	0.05	MCERTS	< 0.05	1	< 0.05	0.26	8.4
Phenanthrene	mg/kg	0.05	MCERTS	0.36	6.9	0.19	2.2	23
Anthracene	mg/kg	0.05	MCERTS	0.11	1.9	< 0.05	0.65	6.1
Fluoranthene	mg/kg	0.05	MCERTS	1.5	11	0.66	5.7	11
Pyrene	mg/kg	0.05	MCERTS	1.6	9.1	0.6	5	12
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.81	4.5	0.32	2.9	5.5
Chrysene	mg/kg	0.05	MCERTS	0.97	4.5	0.4	2.9	5.5
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.4	5.3	0.37	4.4	5
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.44	2.2	0.14	1.8	1.5
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.1	4.7	0.24	3.2	4.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.68	2.2	< 0.05	1.9	1.8
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.17	0.41	< 0.05	0.29	0.38
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.77	2.4	< 0.05	2.1	2

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	10.5	57.6	2.92	34.8	115
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15	21	2.1	23	15
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	2.3	0.3	1.3	1.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	26	58	13	53	32
Copper (aqua regia extractable)	mg/kg	1	MCERTS	41	48	26	79	56
Lead (aqua regia extractable)	mg/kg	1	MCERTS	26	120	6.6	89	80
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	1	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	21	17	13	35	27
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.8	< 1.0	2.6	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	83	150	49	190	120

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451467	451468	451469	451470	451471
Sample Reference	TP25-11	TP25-11	TP25-12	TP25-12	TP25-13
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.30	1.40	0.20	1.00	0.50
Date Sampled	07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025
Time Taken	1030	1035	1300	1305	1430
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_ID_AL	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 HS_ID_AL	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 HS_ID_AL	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_ID_AL	mg/kg	1	MCERTS	-	-	3.7	1	-
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_ID_AL	mg/kg	2	MCERTS	-	-	8.5	6.1	-
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_ID_AL	mg/kg	8	MCERTS	-	-	41	15	-
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_ID_AL	mg/kg	8	MCERTS	-	-	310	43	-
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_ID_AL	mg/kg	10	NONE	-	-	360	65	-

TPHCWG - Aromatic >EC5 - EC7 HS_ID_AR	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 HS_ID_AR	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 HS_ID_AR	mg/kg	0.02	MCERTS	-	-	< 0.020	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 EH_CU_ID_AR	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 EH_CU_ID_AR	mg/kg	2	MCERTS	-	-	2.2	2.8	-
TPHCWG - Aromatic >EC16 - EC21 EH_CU_ID_AR	mg/kg	10	MCERTS	-	-	24	21	-
TPHCWG - Aromatic >EC21 - EC35 EH_CU_ID_AR	mg/kg	10	MCERTS	-	-	300	30	-
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_ID_AR	mg/kg	10	NONE	-	-	330	53	-

TPH (EC10 - EC40) EH_CU_ID_TOTAL	mg/kg	10	MCERTS	44	660	830	-	220
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	< 0.005	< 0.005	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				451467	451468	451469	451470	451471
Sample Reference				TP25-11	TP25-11	TP25-12	TP25-12	TP25-13
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	1.40	0.20	1.00	0.50
Date Sampled				07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025
Time Taken				1030	1035	1300	1305	1430
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	0.15
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	0.073
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	0.11
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451472	451473	451474	451475	451476
Sample Reference	TP25-13	MW25-10	MW25-09C	MW25-09C	MW25-09C
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.20	2.50	0.10	8.40	9.65
Date Sampled	07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025
Time Taken	1435	1432	1057	1106	1121
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	18	10	22	15
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	Detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	MJN	-	-
Analysis completed	N/A	N/A	N/A	-	-	17/02/2025	-	-
Actinolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	Detected	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	< 0.001	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	Loose Fibres	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.2	8.8	7.9	8.1	8.1
Total Cyanide	mg/kg	1	MCERTS	180	61	21	10	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	180	61	21	10	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3600	2500	3600	360	170
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	1800	1230	1810	180	83.3
Sulphide	mg/kg	1	MCERTS	39	85	6.3	130	110
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	120	180	4.8	130	25
Elemental Sulphur	mg/kg	5	MCERTS	190	280	18	330	7.9
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	13	36	< 0.5	23	2.4
Organic Matter (automated)	%	0.1	MCERTS	2.2	2.8	2.1	3.6	2.6
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	0.021	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	3.4	3.6	3.4	4.2	2.9

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451472	451473	451474	451475	451476
Sample Reference	TP25-13	MW25-10	MW25-09C	MW25-09C	MW25-09C
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.20	2.50	0.10	8.40	9.65
Date Sampled	07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025
Time Taken	1435	1432	1057	1106	1121
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	2.5	71	1.4	33	0.16
Acenaphthylene	mg/kg	0.05	MCERTS	2.5	23	0.71	0.41	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.54	6.7	0.32	0.69	< 0.05
Fluorene	mg/kg	0.05	MCERTS	1.7	24	0.48	1.7	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	11	63	5.9	6.7	< 0.05
Anthracene	mg/kg	0.05	MCERTS	4	17	1.5	2.5	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	21	26	11	9	< 0.05
Pyrene	mg/kg	0.05	MCERTS	20	28	9.7	7.6	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	11	13	5.6	4.9	< 0.05
Chrysene	mg/kg	0.05	MCERTS	11	12	5.4	4.7	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	17	9	8	6	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	6.1	3.4	3.1	2.1	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	14	9.1	6.8	5.5	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	7.9	3.7	3.9	2.6	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	1.4	1.1	0.72	0.52	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	8.4	4	4.2	2.6	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	140	313	68.9	90.9	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	21	21	24	9.7	13
Boron (water soluble)	mg/kg	0.2	MCERTS	3	5	0.6	3.9	1.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	41	27	26	22	41
Copper (aqua regia extractable)	mg/kg	1	MCERTS	98	44	58	24	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	240	130	370	45	15
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	4.9	< 0.3	2.4	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	27	27	28	20	35
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.8	< 1.0	< 1.0	1.7	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	99	140	130	59	74

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451472	451473	451474	451475	451476
Sample Reference	TP25-13	MW25-10	MW25-09C	MW25-09C	MW25-09C
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.20	2.50	0.10	8.40	9.65
Date Sampled	07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025
Time Taken	1435	1432	1057	1106	1121
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_ID_AL	mg/kg	0.01	MCERTS	-	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 HS_ID_AL	mg/kg	0.01	MCERTS	-	0.12	-	0.21	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 HS_ID_AL	mg/kg	0.01	MCERTS	-	0.25	-	0.21	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_ID_AL	mg/kg	1	MCERTS	-	3.6	-	2.3	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_ID_AL	mg/kg	2	MCERTS	-	35	-	4.2	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_ID_AL	mg/kg	8	MCERTS	-	38	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_ID_AL	mg/kg	8	MCERTS	-	28	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_ID_AL	mg/kg	10	NONE	-	110	-	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 HS_ID_AR	mg/kg	0.01	MCERTS	-	0.96	-	0.2	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_ID_AR	mg/kg	0.01	MCERTS	-	5 %	-	0.23	0.012
TPHCWG - Aromatic >EC8 - EC10 HS_ID_AR	mg/kg	0.02	MCERTS	-	29 %	-	12	0.022
TPHCWG - Aromatic >EC10 - EC12 EH_CU_ID_AR	mg/kg	1	MCERTS	-	22	-	48	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_ID_AR	mg/kg	2	MCERTS	-	110	-	77	< 2.0
TPHCWG - Aromatic >EC16 - EC21 EH_CU_ID_AR	mg/kg	10	MCERTS	-	94	-	180	< 10
TPHCWG - Aromatic >EC21 - EC35 EH_CU_ID_AR	mg/kg	10	MCERTS	-	32	-	210	< 10
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_ID_AR	mg/kg	10	NONE	-	300	-	530	< 10

TPH (EC10 - EC40) EH_CU_ID_TOTAL	mg/kg	10	MCERTS	330	-	93	-	-
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	< 0.0050	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	< 0.005	-	< 0.005	< 0.005
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	< 0.0050	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	< 0.0070	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	0.96	< 0.005	0.14	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	< 0.0060	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	5 %	< 0.005	0.088	0.012
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	< 0.0060	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				451472	451473	451474	451475	451476
Sample Reference				TP25-13	MW25-10	MW25-09C	MW25-09C	MW25-09C
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.20	2.50	0.10	8.40	9.65
Date Sampled				07/02/2025	07/02/2025	07/02/2025	07/02/2025	07/02/2025
Time Taken				1435	1432	1057	1106	1121
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	7.2 %	< 0.005	7.2 %	0.006
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	13 %	< 0.008	0.82	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	6.5 %	< 0.005	0.19	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	0.13	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	< 0.0050	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	0.39	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	2.8	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	7.5 %	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	0.13	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	< 0.0080	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451477	451478	451479	451480	451481
Sample Reference	TP25-14	TP25-14	TP25-15	TP25-15	TP25-16
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.25	0.60	1.10	2.00	0.15
Date Sampled	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken	1040	1045	1140	1145	1340
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	5.3	16	3.4	11	4.5
Total mass of sample received	kg	0.1	NONE	0.8	0.8	0.8	0.8	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	MJN	-	-	-	MJN
Analysis completed	N/A	N/A	N/A	17/02/2025	-	-	-	17/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.5	9.2	9.7	8.4	7.5
Total Cyanide	mg/kg	1	MCERTS	2.9	17	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	2.9	17	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	7.8	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	160	160	57	110	2400
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	81.4	81	28.6	53.5	1180
Sulphide	mg/kg	1	MCERTS	8.5	30	2.3	4.1	24
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	17	81	14	150	7.8
Elemental Sulphur	mg/kg	5	MCERTS	11	44	< 5.0	7.9	18
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	1	< 0.5	< 0.5	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	1.4	1.5	0.3	0.6	2.8
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.4	2.7	0.3	1.6	2.9

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451477	451478	451479	451480	451481
Sample Reference	TP25-14	TP25-14	TP25-15	TP25-15	TP25-16
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.25	0.60	1.10	2.00	0.15
Date Sampled	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken	1040	1045	1140	1145	1340
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.08	0.13	< 0.05	0.17	0.33
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.06	0.37	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.06	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.08	0.77	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.09	0.71	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.41	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.05	0.44	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.08	0.6	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.22	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.47	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.28	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.06	0.34	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	4.8	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	12	15	7.1	10	16
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	1	0.6	1.1	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	36	29	8.9	26	70
Copper (aqua regia extractable)	mg/kg	1	MCERTS	52	23	66	20	110
Lead (aqua regia extractable)	mg/kg	1	MCERTS	91	560	13	13	29
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	27	21	5.1	24	53
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1	< 1.0	< 1.0	1.4
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	100	180	61	60	97

Analytical Report Number: 25-006725
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number	451477	451478	451479	451480	451481
Sample Reference	TP25-14	TP25-14	TP25-15	TP25-15	TP25-16
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.25	0.60	1.10	2.00	0.15
Date Sampled	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken	1040	1045	1140	1145	1340
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_ID_AL}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_ID_AL}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_ID_AL}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL}	mg/kg	1	MCERTS	-	-	-	-	1.3
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL}	mg/kg	2	MCERTS	-	-	-	-	2.7
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	-	-	-	-	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	-	-	-	-	200
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	-	-	-	-	200

TPHCWG - Aromatic >EC5 - EC7 _{HS_ID_AR}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_ID_AR}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_ID_AR}	mg/kg	0.02	MCERTS	-	-	-	-	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR}	mg/kg	1	MCERTS	-	-	-	-	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR}	mg/kg	2	MCERTS	-	-	-	-	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	-	-	-	-	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	-	-	-	-	220
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	-	-	-	-	220

TPH (EC10 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	150	73	< 10	< 10	850
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				451477	451478	451479	451480	451481
Sample Reference				TP25-14	TP25-14	TP25-15	TP25-15	TP25-16
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.25	0.60	1.10	2.00	0.15
Date Sampled				10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken				1040	1045	1140	1145	1340
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451482	451483	451484	451485	451486
Sample Reference	TP25-16	MW25-10	MW25-10	MW25-11	MW25-11
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.30	2.70-3.70	6.40	0.20	3.15
Date Sampled	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken	1345	1141	1620	1407	1415
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	3.6	30	19	15	16
Total mass of sample received	kg	0.1	NONE	0.8	0.8	0.8	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	Detected	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	MJN	-
Analysis completed	N/A	N/A	N/A	-	-	-	17/02/2025	-
Actinolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	Detected	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	< 0.001	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	Loose Fibres	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.7	9.7	8.2	7.8	7.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	28	< 1.0	140	1.7
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	28	< 1.0	140	1.7
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	67	1300	290	3900	610
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	33.5	646	143	1940	305
Sulphide	mg/kg	1	MCERTS	2.8	49	93	31	6.3
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	19	68	38	36	35
Elemental Sulphur	mg/kg	5	MCERTS	9.4	140	11	460	7.8
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	14	24	0.8	1.8
Organic Matter (automated)	%	0.1	MCERTS	0.3	2.1	2.5	2.5	3.5
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	0.015	-	0.02
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	0.3	4.1	2.6	3.3	3.7

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451482	451483	451484	451485	451486
Sample Reference	TP25-16	MW25-10	MW25-10	MW25-11	MW25-11
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.30	2.70-3.70	6.40	0.20	3.15
Date Sampled	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken	1345	1141	1620	1407	1415
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.43	71	3.7	0.84	0.08
Acenaphthylene	mg/kg	0.05	MCERTS	0.11	24	0.28	0.52	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	5.3	0.06	0.57	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.12	21	0.17	0.75	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.37	52	0.37	7.7	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.06	15	0.09	2.6	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.12	21	0.17	17	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.15	24	0.18	15	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.05	12	< 0.05	7.3	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.06	11	0.09	7.3	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	8.9	0.06	8.7	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	3.8	< 0.05	4.5	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	9.7	< 0.05	8.2	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	4.2	< 0.05	4.2	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	1.2	< 0.05	0.75	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	5	< 0.05	4.5	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.48	289	5.18	90	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.7	17	13	24	4.5
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	6.7	1.4	2.2	0.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.8	< 0.2	< 0.2	< 0.2	0.5
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	6.8	24	30	44	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	40	29	23	51	22
Lead (aqua regia extractable)	mg/kg	1	MCERTS	55	49	15	130	8.6
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	0.4	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.3	20	31	33	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	82	64	97	46

Analytical Report Number: 25-006725
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number	451482	451483	451484	451485	451486
Sample Reference	TP25-16	MW25-10	MW25-10	MW25-11	MW25-11
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.30	2.70-3.70	6.40	0.20	3.15
Date Sampled	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken	1345	1141	1620	1407	1415
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_ID_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_ID_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_ID_AL}	mg/kg	0.01	MCERTS	-	0.32	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL}	mg/kg	1	MCERTS	-	1.6	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL}	mg/kg	2	MCERTS	-	29	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	-	28	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	-	43	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	-	100	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_ID_AR}	mg/kg	0.01	MCERTS	-	4.9 %	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_ID_AR}	mg/kg	0.01	MCERTS	-	12 %	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_ID_AR}	mg/kg	0.02	MCERTS	-	34 %	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR}	mg/kg	1	MCERTS	-	34	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR}	mg/kg	2	MCERTS	-	220	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	-	170	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	-	71	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	-	540	-	-	-

TPH (EC10 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	< 10	-	< 10	200	400
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	< 0.005	-	-	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	4.9 %	0.047	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	12 %	0.033	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				451482	451483	451484	451485	451486
Sample Reference				TP25-16	MW25-10	MW25-10	MW25-11	MW25-11
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	2.70-3.70	6.40	0.20	3.15
Date Sampled				10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken				1345	1141	1620	1407	1415
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	8.6 %	0.022	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	15 %	0.038	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	7.1 %	0.021	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451487	451488	451489	451490	451491
Sample Reference	MW25-11	DUP-4	VW25-02	VW25-02	VW25-03
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	6.50	None Supplied	0.20	0.60	0.25
Date Sampled	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken	1425	None Supplied	1030	1040	1140
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	34.9	36.1	< 0.1
Moisture Content	%	0.01	NONE	19	21	18	17	9.3
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.8	0.8	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	Not-detected	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	-	MJN	-	MJN
Analysis completed	N/A	N/A	N/A	-	-	17/02/2025	-	17/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.6	8	7.8	7.9	11.9
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	64	57	33	52	39
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	31.8	28.5	16.3	25.9	19.3
Sulphide	mg/kg	1	MCERTS	11	11	2.2	1.7	1.4
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	6.9	6.8	3.1	2.9	42
Elemental Sulphur	mg/kg	5	MCERTS	7.8	< 5.0	8.7	7.9	< 5.0
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	0.4	0.3	5.6	2.6	0.4
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	1.5	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	0.5	0.4	6.6	4.4	1.3

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451487	451488	451489	451490	451491
Sample Reference	MW25-11	DUP-4	VW25-02	VW25-02	VW25-03
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	6.50	None Supplied	0.20	0.60	0.25
Date Sampled	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken	1425	None Supplied	1030	1040	1140
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.05	< 0.05	0.27	0.29	0.11
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	0.08	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.1	0.15	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.1	0.14	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.08	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.1	0.12	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.1	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	0.08	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	0.09	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	0.14	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	0.97	1.16	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9	7.5	47	41	14
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.4	1.2	2	1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	7.4	7.1	18	22	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	10	9.4	21	31	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	7	6	33	28	9
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	9.4	9	15	20	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	1	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	41	37	56	96	59

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451487	451488	451489	451490	451491
Sample Reference	MW25-11	DUP-4	VW25-02	VW25-02	VW25-03
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	6.50	None Supplied	0.20	0.60	0.25
Date Sampled	10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken	1425	None Supplied	1030	1040	1140
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_ID_AL	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 HS_ID_AL	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 HS_ID_AL	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_ID_AL	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_ID_AL	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_ID_AL	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_ID_AL	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_ID_AL	mg/kg	10	NONE	-	-	-	-	-

TPHCWG - Aromatic >EC5 - EC7 HS_ID_AR	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC7 - EC8 HS_ID_AR	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC8 - EC10 HS_ID_AR	mg/kg	0.02	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC10 - EC12 EH_CU_ID_AR	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC12 - EC16 EH_CU_ID_AR	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC16 - EC21 EH_CU_ID_AR	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC21 - EC35 EH_CU_ID_AR	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_ID_AR	mg/kg	10	NONE	-	-	-	-	-

TPH (EC10 - EC40) EH_CU_ID_TOTAL	mg/kg	10	MCERTS	13	< 10	< 10	< 10	28
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	< 0.0050	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	-	< 0.005	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	< 0.0050	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	< 0.0070	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	< 0.0060	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	< 0.0060	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-

Analytical Report Number: 25-006725
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				451487	451488	451489	451490	451491
Sample Reference				MW25-11	DUP-4	VW25-02	VW25-02	VW25-03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				6.50	None Supplied	0.20	0.60	0.25
Date Sampled				10/02/2025	10/02/2025	10/02/2025	10/02/2025	10/02/2025
Time Taken				1425	None Supplied	1030	1040	1140
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	< 0.0050	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	< 0.0080	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	< 0.0050	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451492	451493
Sample Reference	VW25-04	VW25-04
Sample Number	None Supplied	None Supplied
Water Matrix	N/A	N/A
Depth (m)	0.30	0.65
Date Sampled	10/02/2025	10/02/2025
Time Taken	1355	1355
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection
		Test Accreditation Status

Stone Content	%	0.1	NONE	< 0.1	29
Moisture Content	%	0.01	NONE	11	10
Total mass of sample received	kg	0.1	NONE	0.8	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-
Analysis completed	N/A	N/A	N/A	-	-
Actinolite detected	Type	N/A	ISO 17025	-	-
Amosite detected	Type	N/A	ISO 17025	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.8	8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	440	64
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	219	31.8
Sulphide	mg/kg	1	MCERTS	17	5.4
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	39	35
Elemental Sulphur	mg/kg	5	MCERTS	19	70
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	1.6	5.9
Organic Matter (automated)	%	0.1	MCERTS	0.9	0.8
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.5	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.5	1.8

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4
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Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				451492	451493
Sample Reference				VW25-04	VW25-04
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.30	0.65
Date Sampled				10/02/2025	10/02/2025
Time Taken				1355	1355
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.17	0.13
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.13	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.44	0.1
Pyrene	mg/kg	0.05	MCERTS	0.46	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.28	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.33	0.06
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.41	0.08
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.16	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.33	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.19	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.24	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	3.13	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15	17
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	0.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	34	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	37	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	210	20
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	22	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	360	49

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	451492	451493
Sample Reference	VW25-04	VW25-04
Sample Number	None Supplied	None Supplied
Water Matrix	N/A	N/A
Depth (m)	0.30	0.65
Date Sampled	10/02/2025	10/02/2025
Time Taken	1355	1355
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection
		Test Accreditation Status

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_ID_AL}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_ID_AL}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_ID_AL}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL}	mg/kg	1	MCERTS	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL}	mg/kg	2	MCERTS	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_ID_AR}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_ID_AR}	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_ID_AR}	mg/kg	0.02	MCERTS	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR}	mg/kg	1	MCERTS	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR}	mg/kg	2	MCERTS	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	-	-

TPH (EC10 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	22	< 10
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	< 0.0050	-
Chloroethane	mg/kg	0.005	MCERTS	< 0.0050	-
Bromomethane	mg/kg	0.005	MCERTS	< 0.0050	-
Vinyl Chloride	mg/kg	0.005	NONE	< 0.0050	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	< 0.0050	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	< 0.0050	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	< 0.0050	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	< 0.0050	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	< 0.0050	-
2,2-Dichloropropane	mg/kg	0.005	NONE	< 0.0050	-
Chloroform	mg/kg	0.005	MCERTS	< 0.0050	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	< 0.0050	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	< 0.0070	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	< 0.0050	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	< 0.0050	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	< 0.0050	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	< 0.0060	-
Trichloroethene	mg/kg	0.01	MCERTS	< 0.010	-
Dibromomethane	mg/kg	0.005	MCERTS	< 0.0050	-
Bromodichloromethane	mg/kg	0.005	MCERTS	< 0.0050	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	< 0.0050	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	< 0.010	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	< 0.0060	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	< 0.0050	-
Dibromochloromethane	mg/kg	0.005	MCERTS	< 0.0050	-
Tetrachloroethene	mg/kg	0.005	MCERTS	< 0.0050	-

Analytical Report Number: 25-006725
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				451492	451493
Sample Reference				VW25-04	VW25-04
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.30	0.65
Date Sampled				10/02/2025	10/02/2025
Time Taken				1355	1355
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
1,2-Dibromoethane	mg/kg	0.005	MCERTS	< 0.0050	-
Chlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	< 0.0050	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	< 0.0050	-
Bromoform	mg/kg	0.005	MCERTS	< 0.0050	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	< 0.0050	-
Bromobenzene	mg/kg	0.005	MCERTS	< 0.0050	-
n-Propylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	< 0.0050	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	< 0.0050	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	< 0.0050	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-
Butylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	< 0.0080	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	< 0.0050	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
451474	MW25-09C	0.10	146	Loose Fibres	Chrysotile	< 0.001	< 0.001	05/03/2025	MJN
451485	MW25-11	0.20	119	Loose Fibres	Amosite	< 0.001	< 0.001	05/03/2025	MJN

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number	451473	451475	451485
Sample Reference	MW25-10	MW25-09C	MW25-11
Sample Number	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A
Depth (m)	2.50	8.40	0.20
Date Sampled	07/02/2025	07/02/2025	10/02/2025
Time Taken	1432	1106	1407
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status

General Inorganics

pH (automated)	pH Units	N/A	ISO 17025	10	8.1	7.8
Electrical Conductivity	µS/cm	10	ISO 17025	440	290	1200
Total Cyanide	mg/l	0.01	ISO 17025	0.87	0.099	0.85
Complex Cyanide	mg/l	0.01	ISO 17025	0.8696	0.0994	0.8455
Free Cyanide	mg/l	0.01	ISO 17025	< 0.010	< 0.010	< 0.010
Thiocyanate as SCN	mg/l	0.2	ISO 17025	0.4	< 0.2	< 0.2
Sulphate as SO ₄	mg/l	0.045	ISO 17025	186	43.9	653
Elemental Sulphur	mg/l	20	NONE	< 20	< 20	< 20
Sulphide	mg/l	0.005	NONE	< 0.005	< 0.005	< 0.005
Chloride	mg/l	0.15	ISO 17025	34	7.8	1.9
Ammoniacal Nitrogen as NH ₄ ⁺	mg/l	0.015	NONE	3	3.1	0.054
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	18	26	7.1
Total Suspended Solids	mg/l	2	NONE	< 2.0	< 2.0	-

Phenols by HPLC

Catechol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Resorcinol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Ethylphenol & Dimethylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Cresols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Naphthols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
2-Isopropylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Phenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Trimethylphenol (2,3,5-)	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005

Total Phenols

Total Phenols (HPLC)	mg/l	0.0035	NONE	< 0.0035	< 0.0035	< 0.0035
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Speciated PAHs

Naphthalene	mg/l	0.00001	NONE	0.98144	< 0.00001	< 0.00001
Acenaphthylene	mg/l	0.00001	NONE	0.12106	0.00015	< 0.00001
Acenaphthene	mg/l	0.00001	NONE	0.01862	0.0004	0.00054
Fluorene	mg/l	0.00001	NONE	0.0375	0.00013	0.0002
Phenanthrene	mg/l	0.00001	NONE	0.02101	< 0.00001	0.0006
Anthracene	mg/l	0.00001	NONE	0.00685	< 0.00001	0.00026
Fluoranthene	mg/l	0.00001	NONE	0.00198	0.00028	0.00047
Pyrene	mg/l	0.00001	NONE	0.00185	< 0.00001	0.0003
Benzo(a)anthracene	mg/l	0.00001	NONE	0.00021	< 0.00001	< 0.00001
Chrysene	mg/l	0.00001	NONE	0.00016	< 0.00001	< 0.00001
Benzo(b)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Benzo(k)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Benzo(a)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Dibenz(a,h)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Benzo(ghi)perylene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001

Total PAH

Total EPA-16 PAHs	mg/l	0.00016	NONE	1.1907	0.00096	0.00238
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Analytical Report Number: 25-006725
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number	451473	451475	451485
Sample Reference	MW25-10	MW25-09C	MW25-11
Sample Number	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A
Depth (m)	2.50	8.40	0.20
Date Sampled	07/02/2025	07/02/2025	10/02/2025
Time Taken	1432	1106	1407
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status

Heavy Metals / Metalloids

Arsenic (dissolved)	mg/l	0.001	ISO 17025	0.018	0.003	0.001
Cadmium (dissolved)	mg/l	0.00008	ISO 17025	< 0.00008	< 0.00008	< 0.00008
Chromium (hexavalent)	mg/l	0.005	ISO 17025	< 0.005	< 0.005	< 0.005
Chromium (dissolved)	mg/l	0.0004	ISO 17025	0.001	< 0.0004	< 0.0004
Copper (dissolved)	mg/l	0.0007	ISO 17025	0.0153	0.0058	0.0026
Iron (dissolved)	mg/l	0.004	ISO 17025	0.48	0.17	0.6
Lead (dissolved)	mg/l	0.001	ISO 17025	< 0.001	< 0.001	0.002
Mercury (dissolved)	mg/l	0.0005	ISO 17025	< 0.00050	< 0.00050	< 0.00050
Nickel (dissolved)	mg/l	0.0003	ISO 17025	0.0016	0.0015	0.0023
Selenium (dissolved)	mg/l	0.004	ISO 17025	0.005	0.006	< 0.004
Zinc (dissolved)	mg/l	0.0004	ISO 17025	< 0.0004	0.0005	< 0.0004

Petroleum Hydrocarbons

TPH - Aliphatic >EC5 - EC35 _{HS+EH, 2D, AL, #1, #2}	mg/l	0.01	NONE	< 0.01	< 0.01	-
TPH - Aliphatic >EC5 - EC6 _{HS, 1D, AL}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-
TPH - Aliphatic >EC6 - EC8 _{HS, 1D, AL}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-
TPH - Aliphatic >EC8 - EC10 _{HS, 1D, AL}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-
TPH - Aliphatic >EC10 - EC12	mg/l	0.01	NONE	< 0.01	< 0.01	-
TPH - Aliphatic >EC12 - EC16	mg/l	0.01	NONE	< 0.01	< 0.01	-
TPH - Aliphatic >EC16 - EC21	mg/l	0.01	NONE	< 0.01	< 0.01	-
TPH - Aliphatic >EC21 - EC35	mg/l	0.01	NONE	< 0.01	< 0.01	-

TPH - Aromatic >EC5 - EC35 _{HS+EH, 2D, AR, #1, #2}	mg/l	0.01	NONE	6.6	0.91	-
TPH - Aromatic >EC5 - EC7 _{HS, 1D, AR}	mg/l	0.001	NONE	0.13	< 0.0010	-
TPH - Aromatic >EC7 - EC8 _{HS, 1D, AR}	mg/l	0.001	NONE	0.29	< 0.0010	-
TPH - Aromatic >EC8 - EC10 _{HS, 1D, AR}	mg/l	0.001	NONE	0.55	< 0.0010	-
TPH - Aromatic >EC10 - EC12	mg/l	0.01	NONE	3.54	0.6	-
TPH - Aromatic >EC12 - EC16	mg/l	0.01	NONE	1.57	0.26	-
TPH - Aromatic >EC16 - EC21	mg/l	0.01	NONE	0.36	0.06	-
TPH - Aromatic >EC21 - EC35	mg/l	0.01	NONE	0.16	< 0.01	-

TPH (EC10 - EC40) _{EH, 2D, TOTAL, #1, #2}	mg/l	0.01	NONE	-	-	0.04
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VOCs

Methyl-t-butyl ether (MTBE)	mg/l	0.003	NONE	< 0.003	< 0.003	-
Benzene	mg/l	0.001	NONE	0.13	< 0.001	< 0.001
Toluene	mg/l	0.001	NONE	0.29	< 0.001	< 0.001
Ethylbenzene	mg/l	0.001	NONE	0.12	< 0.001	< 0.001
P & m-Xylene	mg/l	0.001	NONE	0.24	< 0.001	< 0.001
O-Xylene	mg/l	0.001	NONE	0.17	< 0.001	< 0.001

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-006725
Project / Site name: Cadent Hinckley

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
451467	TP25-11	None Supplied	0.3	Brown loam and clay with rubble and stones
451468	TP25-11	None Supplied	1.4	Brown loam and clay with rubble and stones
451469	TP25-12	None Supplied	0.2	Brown loam and clay with stones
451470	TP25-12	None Supplied	1	Brown loam and clay with stones
451471	TP25-13	None Supplied	0.5	Brown loam and sand with brick and vegetation
451472	TP25-13	None Supplied	1.2	Brown sand with gravel
451473	MW25-10	None Supplied	2.5	Brown clay and sand with gravel and vegetation
451474	MW25-09C	None Supplied	0.1	Brown sand with gravel and vegetation
451475	MW25-09C	None Supplied	8.4	Brown loam and sand with gravel and vegetation
451476	MW25-09C	None Supplied	9.65	Brown clay and sand with gravel
451477	TP25-14	None Supplied	0.25	Brown sand with gravel
451478	TP25-14	None Supplied	0.6	Brown clay and sand with gravel
451479	TP25-15	None Supplied	1.1	Brown sand with gravel
451480	TP25-15	None Supplied	2	Brown clay and sand with gravel
451481	TP25-16	None Supplied	0.15	Brown loam and gravel
451482	TP25-16	None Supplied	1.3	Brown sand with gravel
451483	MW25-10	None Supplied	2.70-3.70	Brown sand with gravel
451484	MW25-10	None Supplied	6.4	Brown clay and sand with gravel
451485	MW25-11	None Supplied	0.2	Brown loam and sand with brick
451486	MW25-11	None Supplied	3.15	Brown loam and sand
451487	MW25-11	None Supplied	6.5	Brown sand
451488	DUP-4	None Supplied	None Supplied	Brown sand
451489	VW25-02	None Supplied	0.2	Brown loam and sand with stones
451490	VW25-02	None Supplied	0.6	Brown loam and sand with stones
451491	VW25-03	None Supplied	0.25	Brown sand with gravel
451492	VW25-04	None Supplied	0.3	Brown sand with brick
451493	VW25-04	None Supplied	0.65	Brown sand with stones

Analytical Report Number : 25-006725

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in leachate	Determination of elemental sulphur in leachate by extraction in dichloromethane followed by GC-MS	In-house method: Sample is extracted in dichloromethane prior to analysis by GC-MS	L021B	W	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Phenols, speciated, in soil, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	D	MCERTS
Electrical conductivity at 20°C of leachate	Determination of electrical conductivity in leachate by electrometric measurement	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031B	W	ISO 17025
Dissolved Organic Carbon in leachate	Determination of dissolved organic carbon in leachate by the measurement on a non-dispersive infrared analyser of carbon dioxide released by acidification	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS

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Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-MS/GC-MS HS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS	In-house method	L070B/L088-PL	W	NONE
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	NONE
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride in leachate	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Exchangeable Ammonium as NH4 in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Thiocyanate in leachate	Determination of thiocyanate in water by discrete analyser (colorimetry)	In-house method based on SMWW 4500-CN-M	L082B	W	ISO 17025
Thiocyanate in soil	Determination of thiocyanate in soil by extraction in water followed by acidification followed by addition of ferric nitrate followed by discrete analyser (spectrophotometer)	In-house method	L082B	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025

Analytical Report Number : 25-006725

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE
Complex cyanide in leachate	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Free cyanide in leachate	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Ammonium as NH4 in leachate	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry	In-house method	L080-PL	W	ISO 17025
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Sulphide in leachate	Determination of sulphide in leachate by ion selective electrode	In-house method	L029-PL	W	NONE
Phenols, speciated, in leachate, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L070B/L088-PL	W	NONE
Fraction Organic Carbon FOC Automated	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with Iron (II) sulphate	In-house method	L009B	D	MCERTS
Suspended Solids in leachate	Determination of Settleable Solids by gravimetry	In-house method	L004B	W	NONE

Analytical Report Number : 25-006725
Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total petroleum hydrocarbons with carbon banding by GCxGC-FID	Determination of total petroleum hydrocarbons in leachate by GC x GC FID with carbon banding aliphatic and aromatic C10-C35	In-house method	L101B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

\$% - Concentration has been determined by extrapolated calibration as analyte concentration is above the concentration range for the procedure. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.

&+ - Result is above calibration range after the maximum dilution has been applied. The result should be considered the minimum value. The actual result could be significantly higher. This result is not accredited.

Analytical Report Number : 25-006725

Project / Site name: Cadent Hinckley

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
MW25-09C	N/A	S	451474	c	Sulphide in soil	L010-PL	c
MW25-09C	N/A	S	451475	c	Sulphide in soil	L010-PL	c
MW25-09C	N/A	S	451476	c	Sulphide in soil	L010-PL	c
MW25-10	N/A	S	451473	c	Sulphide in soil	L010-PL	c
TP25-11	N/A	S	451467	c	Sulphide in soil	L010-PL	c
TP25-11	N/A	S	451468	c	Sulphide in soil	L010-PL	c
TP25-12	N/A	S	451469	c	Sulphide in soil	L010-PL	c
TP25-12	N/A	S	451470	c	Sulphide in soil	L010-PL	c
TP25-13	N/A	S	451471	c	Sulphide in soil	L010-PL	c
TP25-13	N/A	S	451472	c	Sulphide in soil	L010-PL	c
VW25-04	N/A	S	451493	b	BTEX and/or Volatile organic compounds in soil	L073B	b

Worley Consulting
Studio 1NW
The Quorum
Bond Street
Bristol
BS1 3AE

t: 01179105123

e: leanne.carr@worley.com
ingrid.laubscher@worley.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 25-007500

Replaces Analytical Report Number: 25-007500, issue no. 1
Additional analysis undertaken.
Asbestos Quantification added to samples 455384, 387, 393 & 402 as per client's request.

Project / Site name:	Cadent Hinckley	Samples received on:	13/02/2025
Your job number:	00401	Samples instructed on/ Analysis started on:	17/02/2025
Your order number:	415001-00017_00401	Analysis completed by:	11/03/2025
Report Issue Number:	2	Report issued on:	11/03/2025
Samples Analysed:	32 soil samples - 5 leachate samples		

Signed:



Trevor Hill
Customer Service Advisor
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455375	455376	455377	455378	455379
Sample Reference				TP25-18	TP25-18	TP25-19	TP25-19	VW25-05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.20	2.50	1.60	3.70	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1110	1115	1530	1535	1100
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	29	< 0.1	70.8
Moisture Content	%	0.01	NONE	14	15	21	23	4
Total mass of sample received	kg	0.1	NONE	0.7	0.8	0.7	0.8	0.7

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	-	DSO
Analysis completed	N/A	N/A	N/A	-	-	-	-	20/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	10.3	7.4	7.5	8.1	9.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	4.8	84	12	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	4.8	84	12	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	2800	420	3200	1100	280
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	1420	210	1590	570	142
Sulphide	mg/kg	1	MCERTS	4.6	29	32	46	26
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	24	36	24	66	16
Elemental Sulphur	mg/kg	5	MCERTS	14	820	250	220	8.6
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	12	45	27	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	1.2	2.6	4.4	0.7	0.9
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	0.0039	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	2.6	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	2.1	2.7	8.1	0.9	1.1

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455375	455376	455377	455378	455379
Sample Reference				TP25-18	TP25-18	TP25-19	TP25-19	VW25-05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.20	2.50	1.60	3.70	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1110	1115	1530	1535	1100
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.41	33	2.7	1.1	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.17	21	6.5	0.21	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.07	83	1.5	0.14	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.08	62	2.9	0.33	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	2	160	13	1.3	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.38	45	7	0.54	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	3.5	38	39	2.3	< 0.05
Pyrene	mg/kg	0.05	MCERTS	3	56	37	2.2	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.5	15	23	0.99	< 0.05
Chrysene	mg/kg	0.05	MCERTS	2	14	22	1.1	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.6	6.6	35	1.5	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.69	2.7	16	0.47	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.1	8	37	1.2	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.58	2.2	20	0.58	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.16	0.67	3.7	0.1	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.67	2.5	22	0.64	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	17.8	551	288	14.6	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	84	7.6	100	9.1	7.8
Boron (water soluble)	mg/kg	0.2	MCERTS	12	1.2	4.1	1	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	0.3	0.4
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	49	16	23	12	220
Copper (aqua regia extractable)	mg/kg	1	MCERTS	69	18	110	17	64
Lead (aqua regia extractable)	mg/kg	1	MCERTS	89	45	670	33	16
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.3	< 0.3	0.5	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	54	15	48	16	110
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	47	200	67	94

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455375	455376	455377	455378	455379
Sample Reference				TP25-18	TP25-18	TP25-19	TP25-19	VW25-05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.20	2.50	1.60	3.70	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1110	1115	1530	1535	1100
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	0.16	0.27	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	4.8	47	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	65	48	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	60	18	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	74	130	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	200	240	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	0.097	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	0.068	< 0.010	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	1	0.4	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	47	23	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	850	47	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	840	120	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	280	370	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	2000	560	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	-	-	-	44	26
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Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455375	455376	455377	455378	455379
Sample Reference				TP25-18	TP25-18	TP25-19	TP25-19	VW25-05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.20	2.50	1.60	3.70	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1110	1115	1530	1535	1100
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	93	-	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	66	< 5.0	-	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	190	77	-	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	190	100	-	-
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	270	74	-	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455375	455376	455377	455378	455379
Sample Reference				TP25-18	TP25-18	TP25-19	TP25-19	VW25-05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.20	2.50	1.60	3.70	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1110	1115	1530	1535	1100
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	0.093	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	0.065	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	0.19	0.077	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	0.19	0.1	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	0.27	0.074	< 0.005	< 0.005

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455375	455376	455377	455378	455379
Sample Reference				TP25-18	TP25-18	TP25-19	TP25-19	VW25-05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.20	2.50	1.60	3.70	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1110	1115	1530	1535	1100
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	-	-
Total Residue	mg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455380	455381	455382	455383	455384
Sample Reference				VW25-06	VW25-06	VW25-07	VW25-07	VW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.60	0.25	1.00	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1155	1350	1415	1440	1540
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	55.7	< 0.1	70	77.3	41.8
Moisture Content	%	0.01	NONE	4.7	17	4	4.2	13
Total mass of sample received	kg	0.1	NONE	0.8	0.7	0.8	0.7	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	Detected
Asbestos Analyst ID	N/A	N/A	N/A	DSO	-	DSO	-	DSO
Analysis completed	N/A	N/A	N/A	20/02/2025	-	20/02/2025	-	20/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	Detected
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	Detected
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	Detected
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	0.007
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	Loose Fibres
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.3	8.5	9.5	9.6	8.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	1.3	< 1.0	< 1.0	2.4
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	1.3	< 1.0	< 1.0	2.4
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	7.6	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	250	160	360	120	90
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	126	77.9	182	60.1	44.8
Sulphide	mg/kg	1	MCERTS	15	57	33	5.6	2.4
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	15	270	25	15	8.5
Elemental Sulphur	mg/kg	5	MCERTS	10	57	10	10	12
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	24	< 0.5	< 0.5	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	1	0.9	0.4	0.1	4.2
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	0.5	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1	2.9	0.8	0.4	9.6

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455380	455381	455382	455383	455384
Sample Reference				VW25-06	VW25-06	VW25-07	VW25-07	VW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.60	0.25	1.00	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1155	1350	1415	1440	1540
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	2.5
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	3.7
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.32
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.55
Phenanthrene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	5.8
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	2.1
Fluoranthene	mg/kg	0.05	MCERTS	0.09	0.07	< 0.05	< 0.05	13
Pyrene	mg/kg	0.05	MCERTS	0.1	0.05	< 0.05	< 0.05	12
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	5.5
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	6.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	9.9
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	2.9
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	7.7
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	6.5
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	1
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	7.5

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	87.1
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	12	16	8.1	57
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.7	0.6	0.6	1.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	68	36	150	10	38
Copper (aqua regia extractable)	mg/kg	1	MCERTS	66	23	56	51	55
Lead (aqua regia extractable)	mg/kg	1	MCERTS	32	350	18	13	220
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	1.8
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	44	33	80	8.5	36
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	1.8
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	89	73	67	64	150

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
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Lab Sample Number				455380	455381	455382	455383	455384
Sample Reference				VW25-06	VW25-06	VW25-07	VW25-07	VW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.60	0.25	1.00	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1155	1350	1415	1440	1540
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	< 8.0	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	< 8.0	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	< 10	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	0.021	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	< 0.020	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	< 10	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	< 10	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	< 10	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	91	-	< 10	< 10	300
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Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455380	455381	455382	455383	455384
Sample Reference				VW25-06	VW25-06	VW25-07	VW25-07	VW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.60	0.25	1.00	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1155	1350	1415	1440	1540
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

VOCs

Chloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Chloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Bromomethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Vinyl Chloride	µg/kg	5	NONE	-	< 5.0	-	< 5.0	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
2,2-Dichloropropane	µg/kg	5	NONE	-	< 5.0	-	< 5.0	-
Chloroform	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	< 7.0	-	< 7.0	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	-	20	-	< 5.0	-
Carbontetrachloride	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	< 6.0	-	< 6.0	-
Trichloroethene	µg/kg	10	MCERTS	-	< 10	-	< 10	-
Dibromomethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Bromodichloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	< 10	-	< 10	-
Toluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	< 6.0	-	< 6.0	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Dibromochloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Tetrachloroethene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Chlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	-	< 8.0	-	< 8.0	-
Styrene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Bromoform	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
o-Xylene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Isopropylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	< 5.0	-	< 5.0	-
Bromobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
n-Propylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455380	455381	455382	455383	455384
Sample Reference				VW25-06	VW25-06	VW25-07	VW25-07	VW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.60	0.25	1.00	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1155	1350	1415	1440	1540
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	< 8.0	-	< 8.0	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-

MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	< 0.005	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	0.02	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455380	455381	455382	455383	455384
Sample Reference				VW25-06	VW25-06	VW25-07	VW25-07	VW25-08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.60	0.25	1.00	0.30
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1155	1350	1415	1440	1540
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

SVOCs

Aniline	mg/kg	0.1	NONE	-	< 0.1	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	< 0.2	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	< 0.05	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	< 0.3	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	< 0.1	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	< 0.2	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	< 0.1	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	< 0.1	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	< 0.2	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	< 0.2	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	< 0.3	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.30	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	< 0.2	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	< 0.3	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	< 0.3	-	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	-	-
Total Residue	mg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455385	455386	455387	455388	455389
Sample Reference				VW25-08	MW25-12	MW25-12	MW25-12	MW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.80	0.05	0.30	1.00	5.25
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1635	1109	1121	1203	1210
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	56.7	35.4	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	1.2	9.3	16	17
Total mass of sample received	kg	0.1	NONE	0.7	0.8	0.7	0.8	0.7

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	Detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	DSO	-	-
Analysis completed	N/A	N/A	N/A	-	-	20/02/2025	-	-
Actinolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	Detected	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	< 0.001	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	Loose Fibres	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.9	-	8.5	7.1	7.6
Total Cyanide	mg/kg	1	MCERTS	1	-	160	10	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	1	-	160	9	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	-	3.5	1.2	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	760	-	3600	3100	320
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	378	-	1800	1550	158
Sulphide	mg/kg	1	MCERTS	11	-	42	9.6	33
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	220	-	330	110	55
Elemental Sulphur	mg/kg	5	MCERTS	110	-	170	55	330
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	1.7	-	< 0.5	20	2
Organic Matter (automated)	%	0.1	MCERTS	1.9	-	1.2	3	0.3
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	0.0017
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	3.1	-	2.7	5	0.4

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	-	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	-	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	-	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	-	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	-	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	-	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	-	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	-	< 0.40	< 0.40	< 0.40

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455385	455386	455387	455388	455389
Sample Reference				VW25-08	MW25-12	MW25-12	MW25-12	MW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.80	0.05	0.30	1.00	5.25
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1635	1109	1121	1203	1210
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	-	< 1.4	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.39	0.21	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.08	0.15	0.5	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.2	0.11	0.5	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.27	0.59	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.3	1.5	2.3	5.9	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.11	0.29	0.9	1.7	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.63	2.9	3.9	8.5	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.56	2.9	3.4	7.5	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.28	0.89	2	5	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.3	1.4	2	5.3	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.38	0.9	2.8	7.2	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.12	0.26	0.97	2.6	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.28	0.73	2.3	6.3	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.18	0.54	1.6	4.2	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.34	0.78	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.17	0.62	1.7	4.5	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	3.37	13.2	25.4	60.9	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	-	21	14	2.1
Boron (water soluble)	mg/kg	0.2	MCERTS	1.5	-	1.5	2.7	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	0.4	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	-	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	-	26	21	6.8
Copper (aqua regia extractable)	mg/kg	1	MCERTS	27	-	45	42	8.2
Lead (aqua regia extractable)	mg/kg	1	MCERTS	94	-	69	92	4.4
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	0.4	0.4	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	-	27	20	9.4
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	63	-	78	70	31

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455385	455386	455387	455388	455389
Sample Reference				VW25-08	MW25-12	MW25-12	MW25-12	MW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.80	0.05	0.30	1.00	5.25
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1635	1109	1121	1203	1210
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	-	210	65	< 10
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Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455385	455386	455387	455388	455389
Sample Reference				VW25-08	MW25-12	MW25-12	MW25-12	MW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.80	0.05	0.30	1.00	5.25
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1635	1109	1121	1203	1210
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

Chloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	-	-	-	-
Chloroform	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	< 10	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	-	-	-	-
Styrene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromoform	µg/kg	5	MCERTS	< 5.0	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455385	455386	455387	455388	455389
Sample Reference				VW25-08	MW25-12	MW25-12	MW25-12	MW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.80	0.05	0.30	1.00	5.25
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1635	1109	1121	1203	1210
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	-	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	-	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	-	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	-	< 0.008	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	-	< 0.005	< 0.005	< 0.005

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 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455385	455386	455387	455388	455389
Sample Reference				VW25-08	MW25-12	MW25-12	MW25-12	MW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.80	0.05	0.30	1.00	5.25
Date Sampled				11/02/2025	11/02/2025	11/02/2025	11/02/2025	11/02/2025
Time Taken				1635	1109	1121	1203	1210
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	Not Identified	-	-	-
Total Residue	mg/kg	10	NONE	-	3400	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
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Lab Sample Number				455390	455391	455392	455393	455394
Sample Reference				DUP-5	MW25-14	MW25-14	TP25-20	TP25-20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	0.60	1.95	1.00	1.80
Date Sampled				11/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025
Time Taken				None Supplied	1541	1541	1030	1035
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	25.6	< 0.1	25.5	18.6
Moisture Content	%	0.01	NONE	21	15	22	15	21
Total mass of sample received	kg	0.1	NONE	0.8	0.7	0.8	0.7	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	Detected	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	JWU	-
Analysis completed	N/A	N/A	N/A	-	-	-	20/02/2025	-
Actinolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	Detected	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	Detected	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	Detected	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	0.012	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	Loose Fibres, Loose Fibrous Debris	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.3	8.6	8.3	11.4	8.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	23	1200	56	580
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	23	1200	54	570
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	11	1.9	12
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	26	< 5.0	57
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	490	3400	5600	3100	6900
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	247	1700	2780	1530	3460
Sulphide	mg/kg	1	MCERTS	34	3.7	340	2.5	300
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	61	43	550	21	1100
Elemental Sulphur	mg/kg	5	MCERTS	450	26	4900	< 5.0	5100
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	2.9	0.5	130	< 0.5	200 **
Organic Matter (automated)	%	0.1	MCERTS	0.3	0.8	6	1.6	9.1
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	0.5	2.6	6.4	3.6	13

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

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Project / Site name: Cadent Hinckley
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Lab Sample Number				455390	455391	455392	455393	455394
Sample Reference				DUP-5	MW25-14	MW25-14	TP25-20	TP25-20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	0.60	1.95	1.00	1.80
Date Sampled				11/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025
Time Taken				None Supplied	1541	1541	1030	1035
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.56	160	0.92	440
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.51	3.6	1.2	4.1
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.12	4.7	0.1	4.9
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.15	8.9	0.17	9.1
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	1.5	29	1.2	36
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.4	10	0.5	11
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	3.4	28	2.9	38
Pyrene	mg/kg	0.05	MCERTS	< 0.05	2.9	24	2.6	31
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	1.5	8.6	1.4	12
Chrysene	mg/kg	0.05	MCERTS	< 0.05	1.6	8.5	1.4	13
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	2.2	8.9	2.8	15
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	1.2	4.6	0.84	5.4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	1.7	7	2.1	11
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	1.5	4.9	2.6	6.6
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.3	0.87	0.47	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	1.7	5.5	3.1	7.5

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	21.2	314	24.2	642
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	2.4	47	36	75	23
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	3.4	3.8	2.1	4.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	7.9	23	51	28	69
Copper (aqua regia extractable)	mg/kg	1	MCERTS	6.5	41	65	49	74
Lead (aqua regia extractable)	mg/kg	1	MCERTS	4.8	140	580	260	610
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	1.3	5.2	3.5	23
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	10	16	29	26	24
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	1.4	1.2
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	31	320	96	230	130

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Lab Sample Number				455390	455391	455392	455393	455394
Sample Reference				DUP-5	MW25-14	MW25-14	TP25-20	TP25-20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	0.60	1.95	1.00	1.80
Date Sampled				11/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025
Time Taken				None Supplied	1541	1541	1030	1035
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	0.66	-	0.33
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	2.8	-	3.7
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	100	-	150
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	140	-	210
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	230	-	220
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	460	-	480
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	930	-	1100

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	0.9	-	0.13
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	1.3	-	0.99
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	35 ^{5%}	-	45 ^{5%}
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	220	-	540
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	270	-	430
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	480	-	620
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	540	-	670
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	1500	-	2300

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	71	-	170	-
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Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455390	455391	455392	455393	455394
Sample Reference				DUP-5	MW25-14	MW25-14	TP25-20	TP25-20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	0.60	1.95	1.00	1.80
Date Sampled				11/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025
Time Taken				None Supplied	1541	1541	1030	1035
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Chloroethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Bromomethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Vinyl Chloride	µg/kg	5	NONE	-	-	< 5.0	-	< 5.0
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
2,2-Dichloropropane	µg/kg	5	NONE	-	-	< 5.0	-	< 5.0
Chloroform	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	< 7.0	-	< 7.0
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Benzene	µg/kg	5	MCERTS	-	-	890	-	130
Carbontetrachloride	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	< 6.0	-	< 6.0
Trichloroethene	µg/kg	10	MCERTS	-	-	< 10	-	< 10
Dibromomethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Bromodichloromethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	< 10	-	< 10
Toluene	µg/kg	5	MCERTS	-	-	1100	-	920
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	< 6.0	-	< 6.0
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Dibromochloromethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Tetrachloroethene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Chlorobenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	-	5300 ^{5%}	-	5700 ^{5%}
p & m-Xylene	µg/kg	8	MCERTS	-	-	16000 ^{5%}	-	22000 ^{5%}
Styrene	µg/kg	5	MCERTS	-	-	260	-	420
Bromoform	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
o-Xylene	µg/kg	5	MCERTS	-	-	6500 ^{5%}	-	11000 ^{5%}
Isopropylbenzene	µg/kg	5	MCERTS	-	-	880	-	770
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	< 5.0	-	< 5.0
Bromobenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
n-Propylbenzene	µg/kg	5	MCERTS	-	-	2400	-	1800
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	4700 ^{5%}	-	7600 ^{5%}
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	27000 ^{5%}	-	23000 ^{5%}
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	1300	-	1000
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455390	455391	455392	455393	455394
Sample Reference				DUP-5	MW25-14	MW25-14	TP25-20	TP25-20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	0.60	1.95	1.00	1.80
Date Sampled				11/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025
Time Taken				None Supplied	1541	1541	1030	1035
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Butylbenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	< 8.0	-	< 8.0
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0

MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	< 0.005	-	< 0.005
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	0.89	< 0.005	0.13
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	1.1	< 0.005	0.92
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	5.3	0.009	5.7
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	16	0.027	22
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	6.5	0.013	11

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Lab Sample Number				455390	455391	455392	455393	455394
Sample Reference				DUP-5	MW25-14	MW25-14	TP25-20	TP25-20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	0.60	1.95	1.00	1.80
Date Sampled				11/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025
Time Taken				None Supplied	1541	1541	1030	1035
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	< 0.1	-	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	-	< 0.2	-	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	< 0.2	-	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	< 0.05	-	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	-	< 0.2	-	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	-	-	< 0.3	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	-	< 0.1	-	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	< 0.1	-	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	< 0.1	-	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	< 0.2	-	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	11	-	48
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	< 0.1	-	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	< 0.1	-	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	< 0.2	-	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	4	-	7.5
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	-	-	< 0.2	-	< 0.2
Azobenzene	mg/kg	0.3	NONE	-	-	< 0.3	-	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.30	-	< 0.30
Carbazole	mg/kg	0.3	MCERTS	-	-	2.7	-	3.3
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	< 0.2	-	< 0.2
Anthraquinone	mg/kg	0.3	NONE	-	-	1.6	-	3
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	1.8	-	< 0.3

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	-	-
Total Residue	mg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455395	455396	455397	455398	455399
Sample Reference				TP25-21	TP25-21	MW25-14	DUP-6	MW25-15A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	1.65	2.70	None Supplied	0.30
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1330	1335	0930	None Supplied	1327
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	47.3	68.2	< 0.1	< 0.1	35.1
Moisture Content	%	0.01	NONE	5.4	17	14	13	20
Total mass of sample received	kg	0.1	NONE	0.8	0.7	0.8	0.7	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	-	JWU
Analysis completed	N/A	N/A	N/A	-	-	-	-	20/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.4	7.8	8.3	8.1	7.6
Total Cyanide	mg/kg	1	MCERTS	3.8	480	1.6	2.2	2.6
Complex Cyanide	mg/kg	1	MCERTS	3.8	480	1.6	2.2	2.6
Free Cyanide	mg/kg	1	MCERTS	< 1.0	5	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	6.6	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	1500	3500	680	590	170
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	750	1770	342	293	86.8
Sulphide	mg/kg	1	MCERTS	12	35	1.2	2.4	12
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	41	84	43	38	9.2
Elemental Sulphur	mg/kg	5	MCERTS	360	280	< 5.0	< 5.0	49
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	2.2	130	97	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	1.5	1.4	0.6	0.6	2.3
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	2.1	4.3	3	2.6	4.1

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

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Your Order No: 415001-00017_00401

Lab Sample Number				455395	455396	455397	455398	455399
Sample Reference				TP25-21	TP25-21	MW25-14	DUP-6	MW25-15A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	1.65	2.70	None Supplied	0.30
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1330	1335	0930	None Supplied	1327
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	7.2	< 0.05	< 0.05	< 0.05	0.07
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.28	< 0.05	< 0.05	0.12
Acenaphthene	mg/kg	0.05	MCERTS	0.19	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.26	0.16	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1.1	1.4	< 0.05	< 0.05	0.75
Anthracene	mg/kg	0.05	MCERTS	0.35	0.43	< 0.05	< 0.05	0.27
Fluoranthene	mg/kg	0.05	MCERTS	1.2	2.6	< 0.05	< 0.05	2.5
Pyrene	mg/kg	0.05	MCERTS	1.1	2.3	< 0.05	< 0.05	2.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.44	1.1	< 0.05	< 0.05	1.4
Chrysene	mg/kg	0.05	MCERTS	0.52	1.2	< 0.05	< 0.05	1.4
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.82	1.5	< 0.05	< 0.05	1.7
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.28	0.75	< 0.05	< 0.05	0.51
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.7	1.2	< 0.05	< 0.05	1.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.81	0.84	< 0.05	< 0.05	0.75
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.17	0.18	< 0.05	< 0.05	0.16
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.1	0.85	< 0.05	< 0.05	0.67

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	16.2	14.7	< 0.80	< 0.80	13.7
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.5	22	9.4	10	8.7
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	4.7	0.7	1.3	1.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.2	0.2	0.3
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	86	64	29	27	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	49	73	21	20	23
Lead (aqua regia extractable)	mg/kg	1	MCERTS	23	77	11	12	22
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	1.2	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	53	34	28	27	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	87	110	59	55	57

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455395	455396	455397	455398	455399
Sample Reference				TP25-21	TP25-21	MW25-14	DUP-6	MW25-15A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	1.65	2.70	None Supplied	0.30
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1330	1335	0930	None Supplied	1327
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	2.2	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	6.1	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	49	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	88	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	150	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	< 0.010	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	< 0.020	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	3.5	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	28	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	46	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	78	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	150	-	< 10	< 10	23
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Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455395	455396	455397	455398	455399
Sample Reference				TP25-21	TP25-21	MW25-14	DUP-6	MW25-15A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	1.65	2.70	None Supplied	0.30
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1330	1335	0930	None Supplied	1327
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
p & m-Xylene	µg/kg	8	MCERTS	-	< 8.0	-	-	-
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455395	455396	455397	455398	455399
Sample Reference				TP25-21	TP25-21	MW25-14	DUP-6	MW25-15A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	1.65	2.70	None Supplied	0.30
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1330	1335	0930	None Supplied	1327
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	< 0.005	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	0.014	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455395	455396	455397	455398	455399
Sample Reference				TP25-21	TP25-21	MW25-14	DUP-6	MW25-15A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	1.65	2.70	None Supplied	0.30
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1330	1335	0930	None Supplied	1327
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	-	-
Total Residue	mg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455400	455401	455402	455403	455404
Sample Reference				MW25-16A	MW25-16A	VW25-09	VW25-09	VW25-10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	0.30	0.70	0.25
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1547	1600	0930	1000	1130
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	29.2	< 0.1	70.5	19.3	32.1
Moisture Content	%	0.01	NONE	14	15	4.5	14	12
Total mass of sample received	kg	0.1	NONE	0.7	0.8	0.7	0.8	0.7

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	Detected	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	JWU	-	JWU	-	JWU
Analysis completed	N/A	N/A	N/A	20/02/2025	-	20/02/2025	-	20/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	Detected	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	Not-detected	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	< 0.001	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	Loose Fibres,	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.5	8.9	8.1	7.6	9.9
Total Cyanide	mg/kg	1	MCERTS	15	12	1.8	670	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	15	12	1.8	660	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	8.2	1.2
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	5.5	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3400	620	85	3000	660
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	1680	310	42.6	1510	328
Sulphide	mg/kg	1	MCERTS	5.3	60	< 1.0	1.7	2
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	52	220	3.1	15	55
Elemental Sulphur	mg/kg	5	MCERTS	330	3800	8.3	48	8.7
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	240 **	< 0.5	< 0.5	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	1	2.2	< 0.1	2.9	2.4
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	3.6	3	1	4.9	4.4

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Analytical Report Number: 25-007500

Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number				455400	455401	455402	455403	455404
Sample Reference				MW25-16A	MW25-16A	VW25-09	VW25-09	VW25-10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	0.30	0.70	0.25
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1547	1600	0930	1000	1130
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	44	0.17	0.33	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.48	1.3	< 0.05	0.66	0.24
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	2.5	< 0.05	0.86	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.07	3.8	< 0.05	0.65	0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.64	8.3	0.24	12	0.35
Anthracene	mg/kg	0.05	MCERTS	0.29	3	0.07	3.5	0.12
Fluoranthene	mg/kg	0.05	MCERTS	2.1	6.1	0.62	26	1.5
Pyrene	mg/kg	0.05	MCERTS	2	4.7	0.51	22	2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.7	2	0.27	13	0.89
Chrysene	mg/kg	0.05	MCERTS	1.7	1.7	0.27	12	0.82
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	4.1	2	0.36	18	1
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.8	0.69	0.16	5.7	0.44
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.8	1.7	0.33	15	1.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.9	0.67	0.17	8.3	0.5
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.6	0.12	< 0.05	1.6	0.1
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	3.3	0.66	0.19	8.5	0.58

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	24.5	83.3	3.36	149	9.75
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	16	13	15	27	12
Boron (water soluble)	mg/kg	0.2	MCERTS	1.2	1.1	0.7	0.7	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.3	< 0.2	0.4
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	19	19	13	25	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	29	18	14	62	60
Lead (aqua regia extractable)	mg/kg	1	MCERTS	140	35	9.4	150	74
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	20	11	20	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	85	51	70	65	130

Analytical Report Number: 25-007500
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455400	455401	455402	455403	455404
Sample Reference				MW25-16A	MW25-16A	VW25-09	VW25-09	VW25-10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	0.30	0.70	0.25
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1547	1600	0930	1000	1130
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	0.12	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	1.1	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	5.3	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	17	-	6.8	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	< 8.0	-	21	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	< 8.0	-	59	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	23	-	87	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	1.8	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	0.22	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	10	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	34	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	47	-	15	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	82	-	130	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	57	-	230	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	230	-	370	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	150	-	< 10	-	59
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Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				455400	455401	455402	455403	455404
Sample Reference				MW25-16A	MW25-16A	VW25-09	VW25-09	VW25-10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	0.30	0.70	0.25
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1547	1600	0930	1000	1130
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

VOCs

Chloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Chloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Bromomethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Vinyl Chloride	µg/kg	5	NONE	-	< 5.0	-	< 5.0	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
2,2-Dichloropropane	µg/kg	5	NONE	-	< 5.0	-	< 5.0	-
Chloroform	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	< 7.0	-	< 7.0	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	-	1800	-	< 5.0	-
Carbontetrachloride	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	< 6.0	-	< 6.0	-
Trichloroethene	µg/kg	10	MCERTS	-	< 10	-	< 10	-
Dibromomethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Bromodichloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	< 10	-	< 10	-
Toluene	µg/kg	5	MCERTS	-	170	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	< 6.0	-	< 6.0	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Dibromochloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Tetrachloroethene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Chlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	-	2200	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	-	2500	-	< 8.0	-
Styrene	µg/kg	5	MCERTS	-	150	-	< 5.0	-
Bromoform	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
o-Xylene	µg/kg	5	MCERTS	-	3600	-	< 5.0	-
Isopropylbenzene	µg/kg	5	MCERTS	-	320	-	< 5.0	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	< 5.0	-	< 5.0	-
Bromobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
n-Propylbenzene	µg/kg	5	MCERTS	-	540	-	< 5.0	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	520	-	< 5.0	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	8800 ^{9%}	-	< 5.0	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	390	-	< 5.0	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-

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Lab Sample Number				455400	455401	455402	455403	455404
Sample Reference				MW25-16A	MW25-16A	VW25-09	VW25-09	VW25-10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	0.30	0.70	0.25
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1547	1600	0930	1000	1130
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	< 8.0	-	< 8.0	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	< 0.005	-	< 0.005	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	1.8	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	0.17	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	2.2	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	2.5	< 0.008	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	3.6	< 0.005	< 0.005	< 0.005

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Lab Sample Number				455400	455401	455402	455403	455404
Sample Reference				MW25-16A	MW25-16A	VW25-09	VW25-09	VW25-10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	0.30	0.70	0.25
Date Sampled				12/02/2025	12/02/2025	12/02/2025	12/02/2025	12/02/2025
Time Taken				1547	1600	0930	1000	1130
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

SVOCs

Aniline	mg/kg	0.1	NONE	-	< 0.1	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	< 0.2	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	< 0.05	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	< 0.3	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	< 0.1	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	< 0.2	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	3.4	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	< 0.1	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	< 0.2	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	2.6	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	< 0.2	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	< 0.3	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.30	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	2.9	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	< 0.2	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	< 0.3	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	0.4	-	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-	-	-	-
Total Residue	mg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Project / Site name: Cadent Hinckley

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Lab Sample Number				455405	455406
Sample Reference				VW25-11A	VW25-11A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.15	0.95
Date Sampled				12/02/2025	12/02/2025
Time Taken				1450	1550
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	37.3	< 0.1
Moisture Content	%	0.01	NONE	4.5	13
Total mass of sample received	kg	0.1	NONE	0.9	0.8

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-
Analysis completed	N/A	N/A	N/A	-	-
Actinolite detected	Type	N/A	ISO 17025	-	-
Amosite detected	Type	N/A	ISO 17025	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.4	8.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	15
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	15
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	85	3500
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	42.2	1730
Sulphide	mg/kg	1	MCERTS	1.8	34
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	5.5	190
Elemental Sulphur	mg/kg	5	MCERTS	8.5	130
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	0.8
Organic Matter (automated)	%	0.1	MCERTS	0.4	1.9
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.2	5

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40

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Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number				455405	455406
Sample Reference				VW25-11A	VW25-11A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.15	0.95
Date Sampled				12/02/2025	12/02/2025
Time Taken				1450	1550
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.67
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	1
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.63
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.76
Phenanthrene	mg/kg	0.05	MCERTS	0.08	6.4
Anthracene	mg/kg	0.05	MCERTS	< 0.05	2.6
Fluoranthene	mg/kg	0.05	MCERTS	0.25	12
Pyrene	mg/kg	0.05	MCERTS	0.21	11
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.12	6
Chrysene	mg/kg	0.05	MCERTS	0.14	5.6
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.17	7.7
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.06	3.8
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.15	7.9
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.07	3.9
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.81
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.08	4.1

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.33	74.9
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	37
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	2.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	28	35
Copper (aqua regia extractable)	mg/kg	1	MCERTS	41	66
Lead (aqua regia extractable)	mg/kg	1	MCERTS	9.4	110
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	22	28
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	4.1
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	91	110

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Lab Sample Number				455405	455406
Sample Reference				VW25-11A	VW25-11A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.15	0.95
Date Sampled				12/02/2025	12/02/2025
Time Taken				1450	1550
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection Test Accreditation Status

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	1.2
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	3.6
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	11
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	16

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	3.5
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	20
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	27
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	51

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	-
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Lab Sample Number				455405	455406
Sample Reference				VW25-11A	VW25-11A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.15	0.95
Date Sampled				12/02/2025	12/02/2025
Time Taken				1450	1550
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection
				Test Accreditation Status	

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-
Chloroethane	µg/kg	5	MCERTS	-	-
Bromomethane	µg/kg	5	MCERTS	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-
Chloroform	µg/kg	5	MCERTS	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-
Benzene	µg/kg	5	MCERTS	-	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-
Toluene	µg/kg	5	MCERTS	-	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	-	< 8.0
Styrene	µg/kg	5	MCERTS	-	-
Bromoform	µg/kg	5	MCERTS	-	-
o-Xylene	µg/kg	5	MCERTS	-	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-

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 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				455405	455406
Sample Reference				VW25-11A	VW25-11A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.15	0.95
Date Sampled				12/02/2025	12/02/2025
Time Taken				1450	1550
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-

MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	< 0.005
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005

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Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number				455405	455406
Sample Reference				VW25-11A	VW25-11A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.15	0.95
Date Sampled				12/02/2025	12/02/2025
Time Taken				1450	1550
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

SVOCs

Aniline	mg/kg	0.1	NONE	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-
Azobenzene	mg/kg	0.3	NONE	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-

Miscellaneous Organics

Coal Tar		N/A	NONE	-	-
Total Residue	mg/kg	10	NONE	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
455384	VW25-08	0.30	127	Loose Fibres	Amosite & Chrysotile & Crocidolite	0.007	0.007	05/03/2025	DSO
455387	MW25-12	0.30	133	Loose Fibres	Chrysotile	< 0.001	< 0.001	05/03/2025	DSO
455393	TP25-20	1.00	123	Loose Fibres, Loose Fibrous Debris	Amosite & Chrysotile & Crocidolite	0.012	0.012	05/03/2025	JSW
455402	VW25-09	0.30	140	Loose Fibres,	Chrysotile	< 0.001	< 0.001	05/03/2025	JSW

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number				455376	455377	455388	455394	455401
Sample Reference				TP25-18	TP25-19	MW25-12	TP25-20	MW25-16A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.50	1.60	1.00	1.80	2.00
Date Sampled				11/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025
Time Taken				1115	1530	1203	1035	1600
Analytical Parameter (Leachate Analysis)				Units	Test Limit of detection	Test Accreditation Status		

General Inorganics

pH (automated)	pH Units	N/A	ISO 17025	7.7	7.4	7.6	9.7	9
Electrical Conductivity	µS/cm	10	ISO 17025	160	1800	1700	2100	340
Total Cyanide	mg/l	0.01	ISO 17025	< 0.010	0.064	0.09	50	1.9
Complex Cyanide	mg/l	0.01	ISO 17025	< 0.0100	0.0641	0.0905	50.26	1.946
Free Cyanide	mg/l	0.01	ISO 17025	< 0.010	< 0.010	< 0.010	0.087	< 0.010
Thiocyanate as SCN	mg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	9	0.5
Sulphate as SO ₄	mg/l	0.045	ISO 17025	42.2	1810	1290	1760	219
Elemental Sulphur	mg/l	20	NONE	< 20	< 20	< 20	< 20	< 20
Sulphide	mg/l	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloride	mg/l	0.15	ISO 17025	15	2.9	16	69	69
Ammoniacal Nitrogen as NH ₄ ⁺	mg/l	0.015	NONE	1.8	5.1	3	40 ^{ss}	27 ^{ss}
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	24	7.8	8	27	40
Total Suspended Solids	mg/l	2	NONE	< 2.0	3.9	2.9	4.7	< 2.0

Phenols by HPLC

Catechol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Resorcinol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylphenol & Dimethylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Cresols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Naphthols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
2-Isopropylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Phenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Trimethylphenol (2,3,5-)	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005

Total Phenols

Total Phenols (HPLC)	mg/l	0.0035	NONE	< 0.0035	< 0.0035	< 0.0035	< 0.0035	< 0.0035
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Speciated PAHs

Naphthalene	mg/l	0.00001	NONE	0.70827	< 0.00001	< 0.00001	2.1455 ^{5%}	0.43184
Acenaphthylene	mg/l	0.00001	NONE	0.01286	0.00126	< 0.00001	< 0.00001	0.00329
Acenaphthene	mg/l	0.00001	NONE	0.17546	0.00132	0.00017	0.00318	0.00534
Fluorene	mg/l	0.00001	NONE	0.06652	0.00048	0.00007	0.00372	0.00953
Phenanthrene	mg/l	0.00001	NONE	0.03357	0.00072	0.00011	0.00458	0.00658
Anthracene	mg/l	0.00001	NONE	0.00627	< 0.00001	< 0.00001	0.00123	< 0.00001
Fluoranthene	mg/l	0.00001	NONE	0.00128	0.00077	< 0.00001	0.00082	0.00056
Pyrene	mg/l	0.00001	NONE	0.00147	0.00058	< 0.00001	0.00039	< 0.00001
Benzo(a)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Chrysene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(b)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(k)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(a)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	NONE	< 0.00001	0.0001	< 0.00001	< 0.00001	< 0.00001
Dibenz(a,h)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(ghi)perylene	mg/l	0.00001	NONE	< 0.00001	0.00012	< 0.00001	< 0.00001	< 0.00001

Total PAH

Total EPA-16 PAHs	mg/l	0.00016	NONE	1.0057	0.00535	0.00036	2.1595	0.45714
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Analytical Report Number: 25-007500
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number				455376	455377	455388	455394	455401
Sample Reference				TP25-18	TP25-19	MW25-12	TP25-20	MW25-16A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.50	1.60	1.00	1.80	2.00
Date Sampled				11/02/2025	11/02/2025	11/02/2025	12/02/2025	12/02/2025
Time Taken				1115	1530	1203	1035	1600
Analytical Parameter (Leachate Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (dissolved)	mg/l	0.001	ISO 17025	0.004	0.034	0.005	< 0.001	0.011
Cadmium (dissolved)	mg/l	0.00008	ISO 17025	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00012
Chromium (hexavalent)	mg/l	0.005	ISO 17025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium (dissolved)	mg/l	0.0004	ISO 17025	0.002	< 0.0004	< 0.0004	< 0.0004	0.0024
Copper (dissolved)	mg/l	0.0007	ISO 17025	0.0054	0.0082	0.005	< 0.0007	0.0132
Iron (dissolved)	mg/l	0.004	ISO 17025	0.93	0.079	0.1	19	2.7
Lead (dissolved)	mg/l	0.001	ISO 17025	0.002	0.01	0.002	0.001	0.004
Mercury (dissolved)	mg/l	0.0005	ISO 17025	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Nickel (dissolved)	mg/l	0.0003	ISO 17025	0.0018	0.0072	0.0006	0.0181	0.0108
Selenium (dissolved)	mg/l	0.004	ISO 17025	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Zinc (dissolved)	mg/l	0.0004	ISO 17025	0.0076	0.0162	0.0066	< 0.0004	0.0202

Petroleum Hydrocarbons

TPH - Aliphatic >EC5 - EC35 _{HS+EH_2D_AL_#1_#2}	mg/l	0.01	NONE	< 0.01	< 0.01	-	0.03	< 0.01
TPH - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-	< 0.0010	< 0.0010
TPH - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-	0.034	< 0.0010
TPH - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-	< 0.0010	< 0.0010
TPH - Aliphatic >EC10 - EC12	mg/l	0.01	NONE	< 0.01	< 0.01	-	< 0.01	< 0.01
TPH - Aliphatic >EC12 - EC16	mg/l	0.01	NONE	< 0.01	< 0.01	-	< 0.01	< 0.01
TPH - Aliphatic >EC16 - EC21	mg/l	0.01	NONE	< 0.01	< 0.01	-	< 0.01	< 0.01
TPH - Aliphatic >EC21 - EC35	mg/l	0.01	NONE	< 0.01	< 0.01	-	< 0.01	< 0.01

TPH - Aromatic >EC5 - EC35 _{HS+EH_2D_AR_#1_#2}	mg/l	0.01	NONE	4.5	0.56	-	5.22	3.74
TPH - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/l	0.001	NONE	0.0014	< 0.0010	-	0.031	0.013
TPH - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/l	0.001	NONE	0.0024	< 0.0010	-	0.052	< 0.0010
TPH - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/l	0.001	NONE	0.013	< 0.0010	-	0.47	0.01
TPH - Aromatic >EC10 - EC12	mg/l	0.01	NONE	1.81	0.15	-	3.46	2.14
TPH - Aromatic >EC12 - EC16	mg/l	0.01	NONE	1.92	0.13	-	0.79	0.8
TPH - Aromatic >EC16 - EC21	mg/l	0.01	NONE	0.5	0.12	-	0.21	0.46
TPH - Aromatic >EC21 - EC35	mg/l	0.01	NONE	0.25	0.17	-	0.21	0.32

TPH (EC10 - EC40) _{EH_1D_TOTAL_MS}	µg/l	10	NONE	-	-	< 10	-	-
TPH (EC10 - EC40) _{EH_2D_TOTAL_#1_#2}	mg/l	0.01	NONE	-	-	< 0.01	-	-

VOCs

Methyl-t-butyl ether (MTBE)	mg/l	0.003	NONE	< 0.003	< 0.003	-	< 0.003	< 0.003
Benzene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	0.025	0.012
Toluene	mg/l	0.001	NONE	0.002	< 0.001	< 0.001	0.051	< 0.001
Ethylbenzene	mg/l	0.001	NONE	0.004	< 0.001	< 0.001	0.06	< 0.001
P & m-Xylene	mg/l	0.001	NONE	0.002	< 0.001	< 0.001	0.23	< 0.001
O-Xylene	mg/l	0.001	NONE	0.004	< 0.001	< 0.001	0.16	0.006

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-007500

Project / Site name: Cadent Hinckley

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
455375	TP25-18	None Supplied	1.2	Brown gravelly sand
455376	TP25-18	None Supplied	2.5	Brown clay and sand
455377	TP25-19	None Supplied	1.6	Brown loam with stones and gravel
455378	TP25-19	None Supplied	3.7	Brown sand with vegetation
455379	VW25-05	None Supplied	0.3	Brown gravel with stones ⁹
455380	VW25-06	None Supplied	0.2	Brown gravel with stones ⁹
455381	VW25-06	None Supplied	0.6	Brown clay and sand
455382	VW25-07	None Supplied	0.25	Brown loam and clay with stones
455383	VW25-07	None Supplied	1	Brown loam and clay with stones
455384	VW25-08	None Supplied	0.3	Brown loam and clay with stones
455385	VW25-08	None Supplied	0.8	Brown clay and sand with gravel
455386	MW25-12	None Supplied	0.05	Brown loam and sand with vegetation and stones
455387	MW25-12	None Supplied	0.3	Brown loam and sand with vegetation and stones
455388	MW25-12	None Supplied	1	Brown clay and sand with gravel
455389	MW25-12	None Supplied	5.25	Brown clay and sand with gravel
455390	DUP-5	None Supplied	None Supplied	Brown clay and sand with gravel
455391	MW25-14	None Supplied	0.6	Brown loam and sand with brick and stones
455392	MW25-14	None Supplied	1.95	Brown clay and sand with gravel and vegetation
455393	TP25-20	None Supplied	1	Brown loam and sand with stones
455394	TP25-20	None Supplied	1.8	Brown loam and sand with vegetation and stones
455395	TP25-21	None Supplied	0.4	Brown loam and sand with stones
455396	TP25-21	None Supplied	1.65	Brown clay and sand with stones
455397	MW25-14	None Supplied	2.7	Brown clay and sand with gravel
455398	DUP-6	None Supplied	None Supplied	Brown clay and sand with gravel
455399	MW25-15A	None Supplied	0.3	Brown loam and sand with stones
455400	MW25-16A	None Supplied	0.3	Brown loam and sand with stones
455401	MW25-16A	None Supplied	2	Brown clay and sand with gravel
455402	VW25-09	None Supplied	0.3	Brown loam and clay with stones
455403	VW25-09	None Supplied	0.7	Brown loam and clay with stones
455404	VW25-10	None Supplied	0.25	Brown loam and sand with vegetation and stones
455405	VW25-11A	None Supplied	0.15	Brown loam and sand with stones
455406	VW25-11A	None Supplied	0.95	Brown clay and sand with gravel

Analytical Report Number : 25-007500

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in leachate	Determination of elemental sulphur in leachate by extraction in dichloromethane followed by GC-MS	In-house method: Sample is extracted in dichloromethane prior to analysis by GC-MS	L021B	W	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Phenols, speciated, in soil, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	D	MCERTS
Electrical conductivity at 20°C of leachate	Determination of electrical conductivity in leachate by electrometric measurement	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031B	W	ISO 17025
Dissolved Organic Carbon in leachate	Determination of dissolved organic carbon in leachate by the measurement on a non-dispersive infrared analyser of carbon dioxide released by acidification	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS

Analytical Report Number : 25-007500

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Coal Tar in soil	In-house method by GC-MS, by calculation of discrete polycyclic aromatic content	In-house method by calculation	L064B	D	NONE
Total petroleum hydrocarbons by GC-MS/GC-MS HS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS	In-house method	L070B/L088-PL	W	NONE
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	NONE
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride in leachate	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Exchangeable Ammonium as NH ₄ in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Thiocyanate in leachate	Determination of thiocyanate in water by discrete analyser (colorimetry)	In-house method based on SMWW 4500-CN-M	L082B	W	ISO 17025
Thiocyanate in soil	Determination of thiocyanate in soil by extraction in water followed by acidification followed by addition of ferric nitrate followed by discrete analyser (spectrophotometer)	In-house method	L082B	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 25-007500

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE
Complex cyanide in leachate	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Free cyanide in leachate	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Ammonium as NH ₄ in leachate	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry	In-house method	L080-PL	W	ISO 17025
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Sulphide in leachate	Determination of sulphide in leachate by ion selective electrode	In-house method	L029-PL	W	NONE
Phenols, speciated, in leachate, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L070B/L088-PL	W	NONE
Fraction Organic Carbon FOC Automated	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate	In-house method	L009B	D	MCERTS

Analytical Report Number : 25-007500

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Suspended Solids in leachate	Determination of Settleable Solids by gravimetry	In-house method	L004B	W	NONE
Total petroleum hydrocarbons with carbon banding by GCxGC-FID	Determination of total petroleum hydrocarbons in leachate by GC x GC FID with carbon banding aliphatic and aromatic C10-C35	In-house method	L101B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

\$\$ - Result was reported from high dilution. The result should be interpreted with caution.

\$% - Concentration has been determined by extrapolated calibration as analyte concentration is above the concentration range for the procedure. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.

*g - Unaccredited sample matrix.

Analytical Report Number : 25-007500

Project / Site name: Cadent Hinckley

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DUP-5	N/A	S	455390	c	Sulphide in soil	L010-PL	c
DUP-6	N/A	S	455398	c	Sulphide in soil	L010-PL	c
MW25-12	N/A	S	455387	c	Sulphide in soil	L010-PL	c
MW25-12	N/A	S	455388	c	Sulphide in soil	L010-PL	c
MW25-12	N/A	S	455389	bc	BTEX and/or Volatile organic compounds in soil	L073B	b
MW25-12	N/A	S	455389	bc	Sulphide in soil	L010-PL	c
MW25-14	N/A	S	455391	c	Sulphide in soil	L010-PL	c
MW25-14	N/A	S	455392	c	Sulphide in soil	L010-PL	c
MW25-14	N/A	S	455397	c	Sulphide in soil	L010-PL	c
MW25-15A	N/A	S	455399	c	Sulphide in soil	L010-PL	c
MW25-16A	N/A	S	455400	c	Sulphide in soil	L010-PL	c
MW25-16A	N/A	S	455401	c	Sulphide in soil	L010-PL	c
TP25-18	N/A	S	455375	c	Sulphide in soil	L010-PL	c
TP25-18	N/A	S	455376	c	Sulphide in soil	L010-PL	c
TP25-19	N/A	S	455377	bc	BTEX and/or Volatile organic compounds in soil	L073B	b
TP25-19	N/A	S	455377	bc	Sulphide in soil	L010-PL	c
TP25-19	N/A	S	455377	bc	Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	L076B/L088-PL	b
TP25-19	N/A	S	455378	bc	BTEX and/or Volatile organic compounds in soil	L073B	b
TP25-19	N/A	S	455378	bc	Sulphide in soil	L010-PL	c
TP25-20	N/A	S	455393	c	Sulphide in soil	L010-PL	c
TP25-20	N/A	S	455394	c	Sulphide in soil	L010-PL	c
TP25-21	N/A	S	455395	c	Sulphide in soil	L010-PL	c
TP25-21	N/A	S	455396	c	Sulphide in soil	L010-PL	c
VW25-05	N/A	S	455379	c	Sulphide in soil	L010-PL	c
VW25-06	N/A	S	455380	c	Sulphide in soil	L010-PL	c
VW25-06	N/A	S	455381	c	Sulphide in soil	L010-PL	c
VW25-07	N/A	S	455382	c	Sulphide in soil	L010-PL	c
VW25-07	N/A	S	455383	c	Sulphide in soil	L010-PL	c
VW25-08	N/A	S	455384	c	Sulphide in soil	L010-PL	c
VW25-08	N/A	S	455385	c	Sulphide in soil	L010-PL	c
VW25-09	N/A	S	455402	c	Sulphide in soil	L010-PL	c
VW25-09	N/A	S	455403	c	Sulphide in soil	L010-PL	c
VW25-10	N/A	S	455404	c	Sulphide in soil	L010-PL	c
VW25-11A	N/A	S	455405	c	Sulphide in soil	L010-PL	c
VW25-11A	N/A	S	455406	c	Sulphide in soil	L010-PL	c

Worley Consulting
Studio 1NW
The Quorum
Bond Street
Bristol
BS1 3AE

t: 01179105123

e: leanne.carr@worley.com
ingrid.laubscher@worley.com
labdata@advisian.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 25-008032

Replaces Analytical Report Number: 25-008032, issue no. 1
Additional analysis undertaken.

Leachate suite swapped from sample 458132 to 133, CWG added to samples 458117 & 127,
VOC added to sample 458118 as per client's request.

Project / Site name:	Cadent Hinckley	Samples received on:	18/02/2025
Your job number:	00401	Samples instructed on/ Analysis started on:	20/02/2025
Your order number:	415001-00017-00401	Analysis completed by:	10/03/2025
Report Issue Number:	2	Report issued on:	11/03/2025
Samples Analysed:	26 soil samples - 3 leachate samples - 1 bulk sample		


Signed:

Trevor Hill
Customer Service Advisor
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458114	458115	458116	458117	458118
Sample Reference				HP25-01	HP25-02	TP25-23	TP25-23	MW25-16A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	0.30	0.10	0.90	3.80
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1300	1400	1030	1035	0931
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	68.8	45.8	< 0.1
Moisture Content	%	0.01	NONE	21	25	14	16	12
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	KWB	KWB	KWB	-	-
Analysis completed	N/A	N/A	N/A	24/02/2025	24/02/2025	24/02/2025	-	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.9	7.3	11	10	8.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	U/S ^{*U/S f}
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	U/S
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	U/S ^{*U/S f}
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	47	85	2900	3100	98
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	23.7	42.5	1460	1570	48.8
Sulphide	mg/kg	1	MCERTS	1	< 1.0	< 1.0	21	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	9.6	10	15	16	240
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	8.2	< 5.0
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	< 0.5	< 0.5	430
Organic Matter (automated)	%	0.1	MCERTS	3.9	5.2	1.3	1	3.6
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	5.1	7	2.8	2.5	3.7

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	0.1	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458114	458115	458116	458117	458118
Sample Reference				HP25-01	HP25-02	TP25-23	TP25-23	MW25-16A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	0.30	0.10	0.90	3.80
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1300	1400	1030	1035	0931
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	0.1	430
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	150
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.06	< 0.05	< 0.05	23
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.07	< 0.05	< 0.05	140
Phenanthrene	mg/kg	0.05	MCERTS	0.05	1.7	0.1	0.22	620
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.3	< 0.05	< 0.05	150
Fluoranthene	mg/kg	0.05	MCERTS	0.07	2.4	0.12	0.4	420
Pyrene	mg/kg	0.05	MCERTS	0.07	1.9	0.14	0.39	330
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.71	< 0.05	0.15	140
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.85	< 0.05	0.16	110
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.63	< 0.05	0.16	140
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.32	< 0.05	0.12	46
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.54	< 0.05	0.16	140
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.27	< 0.05	0.09	60
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.05	< 0.05	< 0.05	14
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.29	< 0.05	0.12	64

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	10.1	< 0.80	2.07	2960
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15	13	25	17	23
Boron (water soluble)	mg/kg	0.2	MCERTS	1.3	1.6	1.7	1.6	1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	0.5	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	U/S ^{*U/S†}
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	20	20	25	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	19	16	34	26	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	16	38	26	28	9.3
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	16	29	22	19
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.2	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	62	75	97	340	63

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458114	458115	458116	458117	458118
Sample Reference				HP25-01	HP25-02	TP25-23	TP25-23	MW25-16A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	0.30	0.10	0.90	3.80
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1300	1400	1030	1035	0931
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	< 0.010	0.57
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	< 1.0	2.3
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	5.8	13
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	40	12
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	91	26
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	140	55

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	< 0.010	2.8
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	< 0.010	11 ^{5%}
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	-	< 0.020	41 ^{5%}
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	< 1.0	580
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	< 2.0	1000
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	< 10	2600
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	51	610
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	51	4900

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	370	300	-
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Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458114	458115	458116	458117	458118
Sample Reference				HP25-01	HP25-02	TP25-23	TP25-23	MW25-16A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	0.30	0.10	0.90	3.80
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1300	1400	1030	1035	0931
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-	2900
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	11000 ^{5%}
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	2300
p & m-Xylene	µg/kg	8	MCERTS	-	-	-	-	26000 ^{5%}
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	-	-	-	-	11000 ^{5%}
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458114	458115	458116	458117	458118
Sample Reference				HP25-01	HP25-02	TP25-23	TP25-23	MW25-16A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	0.30	0.10	0.90	3.80
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1300	1400	1030	1035	0931
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	< 0.0050
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	-	< 0.005	< 0.005
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	< 0.0050
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	< 0.0070
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Benzene	mg/kg	0.005	MCERTS	< 0.005	0.013	0.007	< 0.005	2.9
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	< 0.0060
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
Toluene	mg/kg	0.005	MCERTS	< 0.005	0.013	< 0.005	< 0.005	11 ^{5%}
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	< 0.0060
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	2.3
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	26 ^{5%}
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	11 ^{5%}
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	0.21
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	< 0.0050
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	0.41
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	7.6 ^{5%}

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458114	458115	458116	458117	458118
Sample Reference				HP25-01	HP25-02	TP25-23	TP25-23	MW25-16A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	0.30	0.10	0.90	3.80
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1300	1400	1030	1035	0931
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	11 ⁸⁺
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	< 0.0080
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.0050

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458119	458120	458122	458123	458124
Sample Reference				MW25-16A	MW25-16A	MW25-17	MW25-18	VW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				4.65	5.30	5.00	0.25	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1017	1023	1530	1502	0900
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	72.4
Moisture Content	%	0.01	NONE	12	12	15	7.9	7.1
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	PDO	-
Analysis completed	N/A	N/A	N/A	-	-	-	24/02/2025	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.4	8.5	9	8.3	9
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	1.3
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	1.3
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	100	110	76	10	250
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	50.9	57.3	37.8	5.03	123
Sulphide	mg/kg	1	MCERTS	31	65	1.1	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	140	120	18	< 1.0	6.8
Elemental Sulphur	mg/kg	5	MCERTS	28	< 5.0	7	< 5.0	< 5.0
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	120	140	< 0.5	< 0.5	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	1.3	1	0.3	< 0.1	0.3
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	0.0077	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.8	2	0.6	0.4	0.6

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458119	458120	458122	458123	458124
Sample Reference				MW25-16A	MW25-16A	MW25-17	MW25-18	VW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				4.65	5.30	5.00	0.25	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1017	1023	1530	1502	0900
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	4	0.29	< 0.05	< 0.05	0.29
Acenaphthylene	mg/kg	0.05	MCERTS	0.06	0.05	< 0.05	< 0.05	0.14
Acenaphthene	mg/kg	0.05	MCERTS	0.13	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.08	< 0.05	< 0.05	0.13
Phenanthrene	mg/kg	0.05	MCERTS	0.14	0.34	< 0.05	< 0.05	0.55
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.14
Fluoranthene	mg/kg	0.05	MCERTS	0.09	0.18	< 0.05	< 0.05	0.47
Pyrene	mg/kg	0.05	MCERTS	0.08	0.16	< 0.05	< 0.05	0.39
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.06	< 0.05	< 0.05	0.2
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.21
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.06	< 0.05	< 0.05	0.25
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	0.11
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.21
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.12
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.15

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	4.49	1.23	< 0.80	< 0.80	3.37
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	2.7	5.4	3.6	4.1	10
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	1.2	0.7	0.6	0.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	9	22	11	10	13
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.4	16	9	6.5	49
Lead (aqua regia extractable)	mg/kg	1	MCERTS	4.2	8.8	9.3	4.5	11
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7.9	22	12	5.9	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	24	46	33	15	46

Analytical Report Number: 25-008032

Project / Site name: Cadent Hinckley

Your Order No: 415001-00017-00401

Lab Sample Number				458119	458120	458122	458123	458124
Sample Reference				MW25-16A	MW25-16A	MW25-17	MW25-18	VW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				4.65	5.30	5.00	0.25	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1017	1023	1530	1502	0900
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	-	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	-	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	0.092	-	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	0.093	-	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	-	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	-	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	-	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	-	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	-	< 10	< 10	< 10	< 10
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Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458119	458120	458122	458123	458124
Sample Reference				MW25-16A	MW25-16A	MW25-17	MW25-18	VW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				4.65	5.30	5.00	0.25	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1017	1023	1530	1502	0900
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	92	-	-	-	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	95	-	-	-	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	-	-	-	-
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458119	458120	458122	458123	458124
Sample Reference				MW25-16A	MW25-16A	MW25-17	MW25-18	VW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				4.65	5.30	5.00	0.25	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1017	1023	1530	1502	0900
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	-	-	-	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	0.091	0.041	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	0.095	0.023	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458119	458120	458122	458123	458124
Sample Reference				MW25-16A	MW25-16A	MW25-17	MW25-18	VW25-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				4.65	5.30	5.00	0.25	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				1017	1023	1530	1502	0900
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458125	458126	458127	458128	458129
Sample Reference				VW25-12	VW25-13	VW25-13	VW25-14	TP25-24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.15	0.30	1.35	0.30	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				0940	1020	1050	1340	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Stone Content	%	0.1	NONE	53.9	30.4	< 0.1	45.1	65.7
Moisture Content	%	0.01	NONE	11	6.4	13	6.7	6.3
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	PDO	PDO
Analysis completed	N/A	N/A	N/A	-	-	-	24/02/2025	24/02/2025

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.1	9	7.9	9.2	10.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	3.2	< 1.0	1.5
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	3.2	< 1.0	1.5
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	440	220	2900	43	140
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	221	112	1460	21.7	69.2
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	1.8	3.9	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	17	18	8.7	5.6	13
Elemental Sulphur	mg/kg	5	MCERTS	7.1	< 5.0	< 5.0	< 5.0	< 5.0
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Organic Matter (automated)	%	0.1	MCERTS	0.8	0.3	2.4	< 0.1	1
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.4	-	1.4	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.3	0.7	3.2	0.8	1.2

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458125	458126	458127	458128	458129
Sample Reference				VW25-12	VW25-13	VW25-13	VW25-14	TP25-24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.15	0.30	1.35	0.30	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				0940	1020	1050	1340	1300
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	3.7	0.06	1.7	< 0.05	0.16
Acenaphthylene	mg/kg	0.05	MCERTS	1.1	0.05	1.6	< 0.05	0.69
Acenaphthene	mg/kg	0.05	MCERTS	0.28	< 0.05	0.4	< 0.05	0.11
Fluorene	mg/kg	0.05	MCERTS	1	< 0.05	0.97	< 0.05	0.13
Phenanthrene	mg/kg	0.05	MCERTS	5.1	0.26	12	< 0.05	1.2
Anthracene	mg/kg	0.05	MCERTS	1.2	0.06	3.4	< 0.05	0.39
Fluoranthene	mg/kg	0.05	MCERTS	4.1	0.61	32	< 0.05	3.7
Pyrene	mg/kg	0.05	MCERTS	3.4	0.5	28	< 0.05	3.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.7	0.32	19	< 0.05	1.9
Chrysene	mg/kg	0.05	MCERTS	1.7	0.36	17	< 0.05	2
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.2	0.49	23	< 0.05	4.1
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1	0.11	9.4	< 0.05	1.8
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.2	0.35	20	< 0.05	3.8
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.1	0.2	9	< 0.05	2.5
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.24	< 0.05	2.7	< 0.05	0.45
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.2	0.23	9.1	< 0.05	2.8

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	31.1	3.62	190	< 0.80	29.1
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	32	9.7	22	4	7.3
Boron (water soluble)	mg/kg	0.2	MCERTS	5	0.7	2.4	0.7	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	0.5
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	15	37	9.1	11
Copper (aqua regia extractable)	mg/kg	1	MCERTS	38	23	41	12	15
Lead (aqua regia extractable)	mg/kg	1	MCERTS	33	11	110	9.5	22
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	12	29	8	8.4
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	72	46	70	37	52

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458125	458126	458127	458128	458129
Sample Reference				VW25-12	VW25-13	VW25-13	VW25-14	TP25-24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.15	0.30	1.35	0.30	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				0940	1020	1050	1340	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	5.1	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	11	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	23	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	39	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	< 0.020	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	5.5	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	21	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	130	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	200	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	370	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	38	< 10	420	< 10	120
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Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458125	458126	458127	458128	458129
Sample Reference				VW25-12	VW25-13	VW25-13	VW25-14	TP25-24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.15	0.30	1.35	0.30	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				0940	1020	1050	1340	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

Chloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	-	-	-	-
Chloroform	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Benzene	µg/kg	5	MCERTS	8.2	-	-	-	-
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	< 10	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	-	-	-	-
Styrene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromoform	µg/kg	5	MCERTS	< 5.0	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-

Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458125	458126	458127	458128	458129
Sample Reference				VW25-12	VW25-13	VW25-13	VW25-14	TP25-24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.15	0.30	1.35	0.30	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				0940	1020	1050	1340	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	< 0.005	-	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	0.008	< 0.005	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458125	458126	458127	458128	458129
Sample Reference				VW25-12	VW25-13	VW25-13	VW25-14	TP25-24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.15	0.30	1.35	0.30	0.30
Date Sampled				13/02/2025	13/02/2025	13/02/2025	13/02/2025	13/02/2025
Time Taken				0940	1020	1050	1340	1300
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458130	458131	458132	458133	458134
Sample Reference				TP25-24	TP25-25	TP25-25	TP25-25	MW25-19A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	0.30	1.20	1.40	0.50
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1437	1400	1405	1410	1005
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	62.2	< 0.1	< 0.1	63	< 0.1
Moisture Content	%	0.01	NONE	6.6	18	19	6.5	10
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	PDO	-	-	-
Analysis completed	N/A	N/A	N/A	-	24/02/2025	-	-	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.9	7.9	8.1	8.4	7.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	5.4	< 1.0	86
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	5.4	< 1.0	86
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	99	40	480	95	3200
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	49.4	20.1	239	47.7	1580
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	3.3	< 1.0	2.6
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	15	4.4	32	28	83
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	7.7	170	7.7	22
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	0.5	< 0.5	3.4
Organic Matter (automated)	%	0.1	MCERTS	0.1	3.2	1.6	1.3	3.9
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	0.7	4.9	4.1	2.4	6.6

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458130	458131	458132	458133	458134
Sample Reference				TP25-24	TP25-25	TP25-25	TP25-25	MW25-19A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	0.30	1.20	1.40	0.50
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1437	1400	1405	1410	1005
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.29	4	< 0.05	1.4
Acenaphthylene	mg/kg	0.05	MCERTS	0.08	0.42	0.37	0.08	1
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.06	0.17	< 0.05	0.96
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.17	0.66	< 0.05	1.8
Phenanthrene	mg/kg	0.05	MCERTS	0.15	2	2.6	0.2	12
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.97	1.1	0.06	3.5
Fluoranthene	mg/kg	0.05	MCERTS	0.42	4.6	3.1	0.36	16
Pyrene	mg/kg	0.05	MCERTS	0.43	4.5	3.1	0.32	12
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.23	2.8	2	0.18	6.5
Chrysene	mg/kg	0.05	MCERTS	0.23	2.9	1.8	0.16	6.5
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.38	2.9	1.9	0.19	7.9
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.1	1.5	0.52	0.11	2.5
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.29	2.6	1.6	0.17	6.3
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.2	1.2	0.57	0.09	2.9
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.34	0.19	< 0.05	0.69
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.26	1.3	0.73	0.1	3

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	2.78	28.6	24.4	2.02	85
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.5	9.3	13	4.1	10
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	1.3	2.2	0.8	1.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	10	25	30	14	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	20	35	23	31	36
Lead (aqua regia extractable)	mg/kg	1	MCERTS	7.9	32	28	14	79
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7.9	18	27	11	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	1.3
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	46	77	72	71	63

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458130	458131	458132	458133	458134
Sample Reference				TP25-24	TP25-25	TP25-25	TP25-25	MW25-19A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	0.30	1.20	1.40	0.50
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1437	1400	1405	1410	1005
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	23	60	72	< 10	150
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Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458130	458131	458132	458133	458134
Sample Reference				TP25-24	TP25-25	TP25-25	TP25-25	MW25-19A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	0.30	1.20	1.40	0.50
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1437	1400	1405	1410	1005
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-Xylene	µg/kg	8	MCERTS	-	-	-	-	-
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	-	-	-	-	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458130	458131	458132	458133	458134
Sample Reference				TP25-24	TP25-25	TP25-25	TP25-25	MW25-19A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	0.30	1.20	1.40	0.50
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1437	1400	1405	1410	1005
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458130	458131	458132	458133	458134
Sample Reference				TP25-24	TP25-25	TP25-25	TP25-25	MW25-19A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	0.30	1.20	1.40	0.50
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1437	1400	1405	1410	1005
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458135	458136	458137	458138	458139
Sample Reference				MW25-19A	MW25-19A	MW25-19A	DUP 7	MW25-18
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	4.50	7.00	None Supplied	3.45
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1155	1340	1458	1300	0903
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	15	17	15	15
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	-	-
Analysis completed	N/A	N/A	N/A	-	-	-	-	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.1	8	8.6	7.9	8.8
Total Cyanide	mg/kg	1	MCERTS	3	< 1.0	< 1.0	< 1.0	1.8
Complex Cyanide	mg/kg	1	MCERTS	3	< 1.0	< 1.0	< 1.0	1.8
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	280	160	340	160	180
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	142	78.1	170	78.6	92.5
Sulphide	mg/kg	1	MCERTS	30	< 1.0	91	< 1.0	8.5
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	87	42	52	42	38
Elemental Sulphur	mg/kg	5	MCERTS	14	6.8	9.7	6.9	56
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	4.6	< 0.5	9.9
Organic Matter (automated)	%	0.1	MCERTS	2	0.3	1.3	0.3	0.7
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	0.0019	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	3.9	0.8	2.1	0.9	1

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458135	458136	458137	458138	458139
Sample Reference				MW25-19A	MW25-19A	MW25-19A	DUP 7	MW25-18
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	4.50	7.00	None Supplied	3.45
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1155	1340	1458	1300	0903
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.17	< 0.05	< 0.05	< 0.05	0.09
Acenaphthylene	mg/kg	0.05	MCERTS	0.19	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	0.06
Fluorene	mg/kg	0.05	MCERTS	0.18	< 0.05	< 0.05	< 0.05	0.1
Phenanthrene	mg/kg	0.05	MCERTS	2.1	0.05	< 0.05	< 0.05	0.15
Anthracene	mg/kg	0.05	MCERTS	0.6	< 0.05	< 0.05	< 0.05	0.08
Fluoranthene	mg/kg	0.05	MCERTS	4.5	0.08	< 0.05	0.08	0.21
Pyrene	mg/kg	0.05	MCERTS	3.9	0.07	< 0.05	0.06	0.15
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.6	< 0.05	< 0.05	< 0.05	0.05
Chrysene	mg/kg	0.05	MCERTS	2.4	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	3.2	0.07	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.4	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.7	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.5	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.38	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.5	0.06	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	27.4	< 0.80	< 0.80	< 0.80	0.9
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	2.9	7.5	2.6	5.6
Boron (water soluble)	mg/kg	0.2	MCERTS	1.5	0.8	0.8	0.8	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	7.2	26	7.8	13
Copper (aqua regia extractable)	mg/kg	1	MCERTS	50	8.9	15	8.9	14
Lead (aqua regia extractable)	mg/kg	1	MCERTS	5400	9.2	10	6.4	7.5
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	7.6	24	7.7	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	49	25	47	25	35

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458135	458136	458137	458138	458139
Sample Reference				MW25-19A	MW25-19A	MW25-19A	DUP 7	MW25-18
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	4.50	7.00	None Supplied	3.45
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1155	1340	1458	1300	0903
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	< 8.0
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	-	-	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	< 10
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	< 10

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	43	20	< 10	25	-
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Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017-00401

Lab Sample Number				458135	458136	458137	458138	458139
Sample Reference				MW25-19A	MW25-19A	MW25-19A	DUP 7	MW25-18
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	4.50	7.00	None Supplied	3.45
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1155	1340	1458	1300	0903
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	-	-	-	-	< 8.0
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	-	-	-	-	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458135	458136	458137	458138	458139
Sample Reference				MW25-19A	MW25-19A	MW25-19A	DUP 7	MW25-18
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	4.50	7.00	None Supplied	3.45
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1155	1340	1458	1300	0903
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	0.014	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	0.009	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458135	458136	458137	458138	458139
Sample Reference				MW25-19A	MW25-19A	MW25-19A	DUP 7	MW25-18
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.30	4.50	7.00	None Supplied	3.45
Date Sampled				14/02/2025	14/02/2025	14/02/2025	14/02/2025	14/02/2025
Time Taken				1155	1340	1458	1300	0903
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-008032

Project / Site name: Cadent Hinckley

Your Order No: 415001-00017-00401

Lab Sample Number				458140
Sample Reference				MW25-18
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				5.00
Date Sampled				14/02/2025
Time Taken				1106
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	11
Total mass of sample received	kg	0.1	NONE	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-
Asbestos Analyst ID	N/A	N/A	N/A	-
Analysis completed	N/A	N/A	N/A	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.5
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	99
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	49.5
Sulphide	mg/kg	1	MCERTS	41
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	100
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	46
Organic Matter (automated)	%	0.1	MCERTS	1
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	1

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4
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Analytical Report Number: 25-008032

Project / Site name: Cadent Hinckley

Your Order No: 415001-00017-00401

Lab Sample Number				458140
Sample Reference				MW25-18
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				5.00
Date Sampled				14/02/2025
Time Taken				1106
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.8
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15
Lead (aqua regia extractable)	mg/kg	1	MCERTS	10
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	19
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	43

Analytical Report Number: 25-008032

Project / Site name: Cadent Hinckley

Your Order No: 415001-00017-00401

Lab Sample Number				458140
Sample Reference				MW25-18
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				5.00
Date Sampled				14/02/2025
Time Taken				1106
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.01	MCERTS	-
TPHCWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.01	MCERTS	-
TPHCWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.01	MCERTS	-
TPHCWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	-
TPHCWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	-
TPHCWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	-
TPHCWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	-
TPHCWG - Aliphatic >EC5 - EC35 EH_CU+HS_1D_AL	mg/kg	10	NONE	-

TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	-
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	-
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	-
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	-
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	-
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	-
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	-
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	-

TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10
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Analytical Report Number: 25-008032

Project / Site name: Cadent Hinckley

Your Order No: 415001-00017-00401

Lab Sample Number				458140
Sample Reference				MW25-18
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				5.00
Date Sampled				14/02/2025
Time Taken				1106
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

VOCs

Chloromethane	µg/kg	5	MCERTS	-
Chloroethane	µg/kg	5	MCERTS	-
Bromomethane	µg/kg	5	MCERTS	-
Vinyl Chloride	µg/kg	5	NONE	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-
2,2-Dichloropropane	µg/kg	5	NONE	-
Chloroform	µg/kg	5	MCERTS	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-
Benzene	µg/kg	5	MCERTS	-
Carbontetrachloride	µg/kg	5	MCERTS	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-
Trichloroethene	µg/kg	10	MCERTS	-
Dibromomethane	µg/kg	5	MCERTS	-
Bromodichloromethane	µg/kg	5	MCERTS	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-
Toluene	µg/kg	5	MCERTS	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-
Dibromochloromethane	µg/kg	5	MCERTS	-
Tetrachloroethene	µg/kg	5	MCERTS	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-
Chlorobenzene	µg/kg	5	MCERTS	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-
Ethylbenzene	µg/kg	5	MCERTS	-
p & m-Xylene	µg/kg	8	MCERTS	-
Styrene	µg/kg	5	MCERTS	-
Bromoform	µg/kg	5	MCERTS	-
o-Xylene	µg/kg	5	MCERTS	-
Isopropylbenzene	µg/kg	5	MCERTS	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-
Bromobenzene	µg/kg	5	MCERTS	-
n-Propylbenzene	µg/kg	5	MCERTS	-
2-Chlorotoluene	µg/kg	5	MCERTS	-
4-Chlorotoluene	µg/kg	5	MCERTS	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-
tert-Butylbenzene	µg/kg	5	MCERTS	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-
sec-Butylbenzene	µg/kg	5	MCERTS	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458140
Sample Reference				MW25-18
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				5.00
Date Sampled				14/02/2025
Time Taken				1106
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-
Butylbenzene	µg/kg	5	MCERTS	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-

Chloromethane	mg/kg	0.005	MCERTS	-
Chloroethane	mg/kg	0.005	MCERTS	-
Bromomethane	mg/kg	0.005	MCERTS	-
Vinyl Chloride	mg/kg	0.005	NONE	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-
Chloroform	mg/kg	0.005	MCERTS	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-
Benzene	mg/kg	0.005	MCERTS	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-
Trichloroethene	mg/kg	0.01	MCERTS	-
Dibromomethane	mg/kg	0.005	MCERTS	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-
Toluene	mg/kg	0.005	MCERTS	< 0.005
1,1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-
Chlorobenzene	mg/kg	0.005	MCERTS	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008
Styrene	mg/kg	0.005	MCERTS	-
Bromoform	mg/kg	0.005	MCERTS	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-
1,1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-
Bromobenzene	mg/kg	0.005	MCERTS	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-

Analytical Report Number: 25-008032
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017-00401

Lab Sample Number				458140
Sample Reference				MW25-18
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				5.00
Date Sampled				14/02/2025
Time Taken				1106
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
tert-Butylbenzene	mg/kg	0.005	MCERTS	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-
Butylbenzene	mg/kg	0.005	MCERTS	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017-00401

Lab Sample Number				458133	458135	458139
Sample Reference				TP25-25	MW25-19A	MW25-18
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				1.40	1.30	3.45
Date Sampled				14/02/2025	14/02/2025	14/02/2025
Time Taken				1410	1155	0903
Analytical Parameter (Leachate Analysis)				Units	Test Limit of detection	Test Accreditation Status

General Inorganics

pH (automated)	pH Units	N/A	ISO 17025	7.9	8.3	8.4
Electrical Conductivity	µS/cm	10	ISO 17025	110	210	170
Total Cyanide	mg/l	0.01	ISO 17025	< 0.010	0.016	0.19
Complex Cyanide	mg/l	0.01	ISO 17025	< 0.0100	0.0161	0.1852
Free Cyanide	mg/l	0.01	ISO 17025	< 0.010	< 0.010	< 0.010
Thiocyanate as SCN	mg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2
Sulphate as SO ₄	mg/l	0.045	ISO 17025	2.59	22.7	23.9
Elemental Sulphur	mg/l	20	NONE	< 20	< 20	< 20
Sulphide	mg/l	0.005	NONE	< 0.005	< 0.005	< 0.005
Chloride	mg/l	0.15	ISO 17025	0.95	10	8.7
Ammoniacal Nitrogen as NH ₄ ⁺	mg/l	0.015	NONE	0.026	0.044	1.6
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	48	40	51
Total Suspended Solids	mg/l	2	NONE	< 2.0	6.5	< 2.0

Phenols by HPLC

Catechol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Resorcinol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Ethylphenol & Dimethylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Cresols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Naphthols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
2-Isopropylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Phenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005
Trimethylphenol (2,3,5-)	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005

Total Phenols

Total Phenols (HPLC)	mg/l	0.0035	NONE	< 0.0035	< 0.0035	< 0.0035
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Speciated PAHs

Naphthalene	mg/l	0.00001	NONE	0.00016	0.00014	< 0.00001
Acenaphthylene	mg/l	0.00001	NONE	0.00006	0.00002	< 0.00001
Acenaphthene	mg/l	0.00001	NONE	0.00003	0.00002	< 0.00001
Fluorene	mg/l	0.00001	NONE	0.00005	0.00003	0.00025
Phenanthrene	mg/l	0.00001	NONE	0.00016	0.00016	0.00012
Anthracene	mg/l	0.00001	NONE	< 0.00001	0.00003	0.00004
Fluoranthene	mg/l	0.00001	NONE	0.00006	0.00014	0.00004
Pyrene	mg/l	0.00001	NONE	0.00004	0.00013	< 0.00001
Benzo(a)anthracene	mg/l	0.00001	NONE	< 0.00001	0.00008	< 0.00001
Chrysene	mg/l	0.00001	NONE	< 0.00001	0.00006	< 0.00001
Benzo(b)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Benzo(k)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Benzo(a)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Dibenz(a,h)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001
Benzo(ghi)perylene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001

Total PAH

Total EPA-16 PAHs	mg/l	0.00016	NONE	0.00055	0.00082	0.00066
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Analytical Report Number: 25-008032
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017-00401

Lab Sample Number				458133	458135	458139
Sample Reference				TP25-25	MW25-19A	MW25-18
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				1.40	1.30	3.45
Date Sampled				14/02/2025	14/02/2025	14/02/2025
Time Taken				1410	1155	0903
Analytical Parameter (Leachate Analysis)				Units	Test Limit of detection	Test Accreditation Status

Heavy Metals / Metalloids

Arsenic (dissolved)	mg/l	0.001	ISO 17025	0.001	0.002	0.004
Cadmium (dissolved)	mg/l	0.00008	ISO 17025	0.0001	< 0.00008	< 0.00008
Chromium (hexavalent)	mg/l	0.005	ISO 17025	< 0.005	< 0.005	< 0.005
Chromium (dissolved)	mg/l	0.0004	ISO 17025	0.0012	0.0035	0.0012
Copper (dissolved)	mg/l	0.0007	ISO 17025	0.0032	0.0038	0.0038
Iron (dissolved)	mg/l	0.004	ISO 17025	0.61	1.2	1.1
Lead (dissolved)	mg/l	0.001	ISO 17025	< 0.001	0.11	0.001
Mercury (dissolved)	mg/l	0.0005	ISO 17025	< 0.00050	< 0.00050	< 0.00050
Nickel (dissolved)	mg/l	0.0003	ISO 17025	0.0011	0.002	0.0015
Selenium (dissolved)	mg/l	0.004	ISO 17025	< 0.004	< 0.004	< 0.004
Zinc (dissolved)	mg/l	0.0004	ISO 17025	0.0089	0.0053	0.0022

Petroleum Hydrocarbons

TPH - Aliphatic >EC5 - EC35 _{HS+EH_2D_AL_#1_#2}	mg/l	0.01	NONE	-	-	< 0.01
TPH - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/l	0.001	NONE	-	-	< 0.0010
TPH - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/l	0.001	NONE	-	-	< 0.0010
TPH - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/l	0.001	NONE	-	-	< 0.0010
TPH - Aliphatic >EC10 - EC12	mg/l	0.01	NONE	-	-	< 0.01
TPH - Aliphatic >EC12 - EC16	mg/l	0.01	NONE	-	-	< 0.01
TPH - Aliphatic >EC16 - EC21	mg/l	0.01	NONE	-	-	< 0.01
TPH - Aliphatic >EC21 - EC35	mg/l	0.01	NONE	-	-	< 0.01

TPH - Aromatic >EC5 - EC35 _{HS+EH_2D_AR_#1_#2}	mg/l	0.01	NONE	-	-	0.13
TPH - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/l	0.001	NONE	-	-	< 0.0010
TPH - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/l	0.001	NONE	-	-	< 0.0010
TPH - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/l	0.001	NONE	-	-	< 0.0010
TPH - Aromatic >EC10 - EC12	mg/l	0.01	NONE	-	-	0.06
TPH - Aromatic >EC12 - EC16	mg/l	0.01	NONE	-	-	0.08
TPH - Aromatic >EC16 - EC21	mg/l	0.01	NONE	-	-	< 0.01
TPH - Aromatic >EC21 - EC35	mg/l	0.01	NONE	-	-	< 0.01

TPH (EC10 - EC40) _{EH_2D_TOTAL_#1_#2}	mg/l	0.01	NONE	0.09	0.07	-
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VOCs

Methyl-t-butyl ether (MTBE)	mg/l	0.003	NONE	-	-	< 0.003
Benzene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001
Toluene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001
P & m-Xylene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001
O-Xylene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-008032

Project / Site name: Cadent Hinckley

Your Order No: 415001-00017-00401

Lab Sample Number				458121
Sample Reference				MW25-17
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				3.00
Date Sampled				13/02/2025
Time Taken				1500
Analytical Parameter (Bulk Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	PDO
Analysis completed	N/A	N/A	N/A	24/02/2025

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 25-008032
Project / Site name: Cadent Hinckley

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
458114	HP25-01	None Supplied	0.3	Brown loam and clay with gravel and vegetation
458115	HP25-02	None Supplied	0.3	Brown loam and clay with gravel and vegetation
458116	TP25-23	None Supplied	0.1	Brown loam and clay with gravel and stones
458117	TP25-23	None Supplied	0.9	Brown loam and clay with gravel and stones
458118	MW25-16A	None Supplied	3.8	Brown loam and clay with gravel
458119	MW25-16A	None Supplied	4.65	Brown sand with vegetation
458120	MW25-16A	None Supplied	5.3	Brown clay and sand
458122	MW25-17	None Supplied	5	Brown sand
458123	MW25-18	None Supplied	0.25	Brown sand
458124	VW25-12	None Supplied	0.3	Brown clay and sand with gravel and stones
458125	VW25-12	None Supplied	1.15	Brown clay and sand with gravel and stones
458126	VW25-13	None Supplied	0.3	Brown clay and sand with gravel and stones
458127	VW25-13	None Supplied	1.35	Brown loam and clay with gravel
458128	VW25-14	None Supplied	0.3	Brown gravelly sand with stones
458129	TP25-24	None Supplied	0.3	Brown clay and sand with gravel and stones
458130	TP25-24	None Supplied	1.3	Brown clay and sand with gravel and stones
458131	TP25-25	None Supplied	0.3	Brown loam and clay with gravel and vegetation
458132	TP25-25	None Supplied	1.2	Brown clay and loam with gravel and vegetation
458133	TP25-25	None Supplied	1.4	Brown loam and clay with vegetation and stones
458134	MW25-19A	None Supplied	0.5	Brown loam and sand with gravel and vegetation
458135	MW25-19A	None Supplied	1.3	Brown loam and clay with gravel and vegetation
458136	MW25-19A	None Supplied	4.5	Brown sand with gravel
458137	MW25-19A	None Supplied	7	Brown clay
458138	DUP 7	None Supplied	None Supplied	Brown sand
458139	MW25-18	None Supplied	3.45	Brown clay and sand with gravel and vegetation
458140	MW25-18	None Supplied	5	Brown clay with gravel

Analytical Report Number : 25-008032

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Bults	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	W	ISO 17025
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in leachate	Determination of elemental sulphur in leachate by extraction in dichloromethane followed by GC-MS	In-house method: Sample is extracted in dichloromethane prior to analysis by GC-MS	L021B	W	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Phenols, speciated, in soil, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	D	MCERTS
Electrical conductivity at 20°C of leachate	Determination of electrical conductivity in leachate by electrometric measurement	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031B	W	ISO 17025
Dissolved Organic Carbon in leachate	Determination of dissolved organic carbon in leachate by the measurement on a non-dispersive infrared analyser of carbon dioxide released by acidification	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS

Analytical Report Number : 25-008032

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	NONE
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride in leachate	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Exchangeable Ammonium as NH4 in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Thiocyanate in leachate	Determination of thiocyanate in water by discrete analyser (colorimetry)	In-house method based on SMWW 4500-CN-M	L082B	W	ISO 17025
Thiocyanate in soil	Determination of thiocyanate in soil by extraction in water followed by acidification followed by addition of ferric nitrate followed by discrete analyser (spectrophotometer)	In-house method	L082B	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE

Analytical Report Number : 25-008032

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE
Complex cyanide in leachate	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Free cyanide in leachate	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Ammonium as NH4 in leachate	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry	In-house method	L080-PL	W	ISO 17025
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Sulphide in leachate	Determination of sulphide in leachate by ion selective electrode	In-house method	L029-PL	W	NONE
Phenols, speciated, in leachate, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L070B/L088-PL	W	NONE
Fraction Organic Carbon FOC Automated	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate	In-house method	L009B	D	MCERTS
Suspended Solids in leachate	Determination of Settleable Solids by gravimetry	In-house method	L004B	W	NONE
Total petroleum hydrocarbons with carbon banding by GCxGC-FID	Determination of total petroleum hydrocarbons in leachate by GC x GC FID with carbon banding aliphatic and aromatic C10-C35	In-house method	L101B	W	NONE
Total petroleum hydrocarbons in leachate	Determination of total petroleum hydrocarbons in leachate by GC x GC FID	In-house method	L101B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Analytical Report Number : 25-008032

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

*U/S f - Unsuitable for analysis due to sample matrix.

\$% - Concentration has been determined by extrapolated calibration as analyte concentration is above the concentration range for the procedure. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.

&+ - Result is above calibration range after the maximum dilution has been applied. The result should be considered the minimum value. The actual result could be significantly higher. This result is not accredited.

Analytical Report Number : 25-008032

Project / Site name: Cadent Hinckley

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e -

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DUP 7	N/A	S	458138	c	Sulphide in soil	L010-PL	c
HP25-01	N/A	S	458114	c	Sulphide in soil	L010-PL	c
HP25-02	N/A	S	458115	c	Sulphide in soil	L010-PL	c
MW25-16A	N/A	S	458118	c	Sulphide in soil	L010-PL	c
MW25-16A	N/A	S	458119	c	Sulphide in soil	L010-PL	c
MW25-16A	N/A	S	458120	c	Sulphide in soil	L010-PL	c
MW25-17	N/A	S	458122	c	Sulphide in soil	L010-PL	c
MW25-18	N/A	S	458123	c	Sulphide in soil	L010-PL	c
MW25-18	N/A	S	458139	c	Sulphide in soil	L010-PL	c
MW25-18	N/A	S	458140	c	Sulphide in soil	L010-PL	c
MW25-19A	N/A	S	458134	c	Sulphide in soil	L010-PL	c
MW25-19A	N/A	S	458135	c	Sulphide in soil	L010-PL	c
MW25-19A	N/A	S	458136	c	Sulphide in soil	L010-PL	c
MW25-19A	N/A	S	458137	c	Sulphide in soil	L010-PL	c
TP25-23	N/A	S	458116	c	Sulphide in soil	L010-PL	c
TP25-23	N/A	S	458117	c	Sulphide in soil	L010-PL	c
TP25-24	N/A	S	458129	c	Sulphide in soil	L010-PL	c
TP25-24	N/A	S	458130	c	Sulphide in soil	L010-PL	c
TP25-25	N/A	S	458131	c	Sulphide in soil	L010-PL	c
TP25-25	N/A	S	458132	c	Sulphide in soil	L010-PL	c
TP25-25	N/A	S	458133	c	Sulphide in soil	L010-PL	c
VW25-12	N/A	S	458124	c	Sulphide in soil	L010-PL	c
VW25-12	N/A	S	458125	c	Sulphide in soil	L010-PL	c
VW25-13	N/A	S	458126	c	Sulphide in soil	L010-PL	c
VW25-13	N/A	S	458127	c	Sulphide in soil	L010-PL	c
VW25-14	N/A	S	458128	c	Sulphide in soil	L010-PL	c

Worley Consulting
Studio 1NW
The Quorum
Bond Street
Bristol
BS1 3AE

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01179105123

t: 01923 225404

e: leanne.carr@worley.com
ingrid.laubscher@worley.com

f: 01923 237404

e: reception@i2analytical.com

Analytical Report Number : 25-008926

Replaces Analytical Report Number: 25-008926, issue no. 1

Additional analysis undertaken.

Asbestos Quantification added to samples 462103/105 & 114 as per client's request.

TPH added on Soil & leachate to sample 462106 as per client's request.

BTEX in sample 462112 units corrected by laboratory.

Project / Site name:	Cadent Hinckley	Samples received on:	21/02/2025
Your job number:	00401	Samples instructed on/ Analysis started on:	24/02/2025
Your order number:	415001-00017_00401	Analysis completed by:	21/03/2025
Report Issue Number:	2	Report issued on:	24/03/2025
Samples Analysed:	17 soil samples - 5 leachate samples		

Signed:



Rachel Chappell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				462099	462100	462101	462102	462103
Sample Reference				MW25-26	MW25-26	MW25-26	DUP 13	VW25-19A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	6.00	None Supplied	0.20
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1032	1105	1218	None Supplied	1005
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	49.1	< 0.1	< 0.1	6.4	22.3
Moisture Content	%	0.01	NONE	3.7	15	17	12	14
Total mass of sample received	kg	0.1	NONE	0.5	0.5	0.6	0.5	0.5

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	-	Detected
Asbestos Analyst ID	N/A	N/A	N/A	PKU	-	-	-	PKU
Analysis completed	N/A	N/A	N/A	27/02/2025	-	-	-	27/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	Detected
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	< 0.001
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	Loose Fibres
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.8	7.6	8.7	7.9	8.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	3.2
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	3.2
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	490	190	120	86	110
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	247	95.1	61.2	43	56.8
Sulphide	mg/kg	1	MCERTS	2.7	< 1.0	< 1.0	8.5	15
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	55	5.2	90	4.1	6.7
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	20
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	< 0.1	1	< 0.1	1	1.7
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	< 0.0010	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	< 0.1	-	-	-	-
Total Organic Carbon (TOC) - Manual	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	0.2	2.2	0.7	2.8	3.4

Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number	462099	462100	462101	462102	462103
Sample Reference	MW25-26	MW25-26	MW25-26	DUP 13	VW25-19A
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.30	2.00	6.00	None Supplied	0.20
Date Sampled	19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken	1032	1105	1218	None Supplied	1005
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.06	< 0.05	0.07	0.23
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.41
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.13
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.12
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.06	3.9
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	1
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.06	7.4
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.08	6.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	4.1
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	4.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	5.7
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	2.5
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	4.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	2.9
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.75
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	3.1

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	47
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.2	7.5	3.9	12	27
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	0.6	0.7	1	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.3	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	5.9	35	14	29	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	33	20	13	20	36
Lead (aqua regia extractable)	mg/kg	1	MCERTS	9.2	12	6.9	13	83
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.5	32	14	25	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	59	67	41	55	60

Analytical Report Number: 25-008926
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number	462099	462100	462101	462102	462103
Sample Reference	MW25-26	MW25-26	MW25-26	DUP 13	VW25-19A
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.30	2.00	6.00	None Supplied	0.20
Date Sampled	19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken	1032	1105	1218	None Supplied	1005
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	53
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	0.042	< 0.005	0.013	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	0.017	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008926
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				462099	462100	462101	462102	462103
Sample Reference				MW25-26	MW25-26	MW25-26	DUP 13	VW25-19A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	6.00	None Supplied	0.20
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1032	1105	1218	None Supplied	1005
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoforn	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-

Analytical Report Number: 25-008926
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				462099	462100	462101	462102	462103
Sample Reference				MW25-26	MW25-26	MW25-26	DUP 13	VW25-19A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.00	6.00	None Supplied	0.20
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1032	1105	1218	None Supplied	1005
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				462104	462105	462106	462107	462108
Sample Reference				VW25-19A	VW25-20A	VW25-20A	VW25-21	VW25-21
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.85	0.20	0.75	0.25	0.75
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1010	1640	1650	1410	1415
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	3.9	13.2	25.3	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	13	13	9	52
Total mass of sample received	kg	0.1	NONE	0.4	0.5	0.6	0.5	0.5

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	Detected	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	-	PKU	-	PKU	-
Analysis completed	N/A	N/A	N/A	-	27/02/2025	-	27/02/2025	-
Actinolite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	Detected	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	Not-detected	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	0.009	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	Loose Fibrous Debris	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.4	7.4	9.1	7.5	6.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0	41	200	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	41	200	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	5.6
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	720	180	2300	4100	1200
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	361	90.5	1160	2050	596
Sulphide	mg/kg	1	MCERTS	2.4	2.6	24	< 1.0	160
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	2.5	12	42	7	210
Elemental Sulphur	mg/kg	5	MCERTS	7.7	8.9	76	8.4	2800
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	< 0.5	< 0.5	78
Organic Matter	%	0.1	MCERTS	-	-	-	-	17
Organic Matter (automated)	%	0.1	MCERTS	0.8	3.2	2.9	0.6	-
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.5	-	1.7	-	-
Total Organic Carbon (TOC) - Manual	%	0.1	MCERTS	-	-	-	-	10
Loss on Ignition @ 450°C	%	0.2	MCERTS	1.9	5.2	5.9	1.6	20

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Project / Site name: Cadent Hinckley
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Lab Sample Number				462104	462105	462106	462107	462108
Sample Reference				VW25-19A	VW25-20A	VW25-20A	VW25-21	VW25-21
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.85	0.20	0.75	0.25	0.75
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1010	1640	1650	1410	1415
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.06	0.23	1.8	0.06	8.6
Acenaphthylene	mg/kg	0.05	MCERTS	0.15	0.4	2.6	< 0.05	0.35
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	2	< 0.05	0.47
Fluorene	mg/kg	0.05	MCERTS	0.1	0.14	2.6	< 0.05	0.87
Phenanthrene	mg/kg	0.05	MCERTS	1.6	1.5	22	< 0.05	0.94
Anthracene	mg/kg	0.05	MCERTS	0.55	0.55	7.3	< 0.05	0.23
Fluoranthene	mg/kg	0.05	MCERTS	3.5	3.6	39	< 0.05	0.26
Pyrene	mg/kg	0.05	MCERTS	3	3.5	34	< 0.05	0.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.7	1.8	18	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	1.6	1.9	15	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1.8	2.7	22	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.76	1.1	7.4	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.6	2.4	19	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.79	1.4	9.5	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.16	0.21	1.7	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.73	1.4	9.7	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	18	22.7	213	< 0.80	11.9
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.6	24	44	9.9	68
Boron (water soluble)	mg/kg	0.2	MCERTS	2.1	1.8	1.8	3.8	7.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	24	37	18	19
Copper (aqua regia extractable)	mg/kg	1	MCERTS	21	36	94	7.4	50
Lead (aqua regia extractable)	mg/kg	1	MCERTS	25	92	330	6.3	39
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.3	1.8	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	21	23	48	7.7	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	1.1	< 1.0	3.5
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	54	130	230	22	36

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Project / Site name: Cadent Hinckley
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Lab Sample Number	462104	462105	462106	462107	462108
Sample Reference	VW25-19A	VW25-20A	VW25-20A	VW25-21	VW25-21
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.85	0.20	0.75	0.25	0.75
Date Sampled	19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken	1010	1640	1650	1410	1415
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	1.1	-	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	8.7	-	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	29	-	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	120	-	23
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	160	-	23

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	< 0.010	-	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	< 0.020	-	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	1.7	-	1.8
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	18	-	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	150	-	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	290	-	< 10
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	450	-	< 10

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	15	70	690	< 10	-
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Chloroethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Bromomethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Vinyl Chloride	mg/kg	0.005	NONE	< 0.0050	-	< 0.0050	-	< 0.0050
Trichlorofluoromethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,1-Dichloroethene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	-	< 0.005	-	< 0.005
1,1-Dichloroethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
2,2-Dichloropropane	mg/kg	0.005	NONE	< 0.0050	-	< 0.0050	-	< 0.0050
Chloroform	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,2-Dichloroethane	mg/kg	0.007	MCERTS	< 0.0070	-	< 0.0070	-	< 0.0070
1,1-Dichloropropene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,2-Dichloropropane	mg/kg	0.006	MCERTS	< 0.0060	-	< 0.0060	-	< 0.0060
Trichloroethene	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	< 0.010
Dibromomethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Bromodichloromethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	< 0.010
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	< 0.0060	-	< 0.0060	-	< 0.0060
1,3-Dichloropropane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Dibromochloromethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Tetrachloroethene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050

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Project / Site name: Cadent Hinckley
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Lab Sample Number				462104	462105	462106	462107	462108
Sample Reference				VW25-19A	VW25-20A	VW25-20A	VW25-21	VW25-21
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.85	0.20	0.75	0.25	0.75
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1010	1640	1650	1410	1415
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dibromoethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Chlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Bromoforn	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	< 0.0050	-	< 0.0050	-	< 0.0050
Bromobenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
n-Propylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
2-Chlorotoluene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
4-Chlorotoluene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
tert-Butylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
sec-Butylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
p-Isopropyltoluene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Butylbenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	< 0.0080	-	< 0.0080	-	< 0.0080
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
Hexachlorobutadiene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	< 0.0050	-	< 0.0050	-	< 0.0050

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	< 0.2

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Lab Sample Number				462104	462105	462106	462107	462108
Sample Reference				VW25-19A	VW25-20A	VW25-20A	VW25-21	VW25-21
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.85	0.20	0.75	0.25	0.75
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1010	1640	1650	1410	1415
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	< 0.2
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	< 0.30
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	< 0.2
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	< 0.3
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	< 0.3

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				462109	462110	462111	462112	462113
Sample Reference				MW25-25	MW25-25	MW25-25	MW25-25	DUP-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.40	5.80	6.50	None Supplied
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1057	1059	1101	1117	None Supplied
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	17.1	< 0.1	7	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	4.6	13	18	18
Total mass of sample received	kg	0.1	NONE	0.6	0.5	0.5	0.4	0.5

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	PKU	KSZ	-	-	-
Analysis completed	N/A	N/A	N/A	27/02/2025	27/02/2025	-	-	-
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.2	6.9	8.6	7.9	8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	5.4	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	92	23	92	1400	1200
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	45.8	11.3	45.8	697	596
Sulphide	mg/kg	1	MCERTS	< 1.0	1.7	5.1	1000	970
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	3.9	< 1.0	22 ^{§§}	190	240
Elemental Sulphur	mg/kg	5	MCERTS	19	< 5.0	< 5.0	2500	2400
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	< 0.5	220	47	48
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	2.4	< 0.1	5.5	2.3	2.6
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	< 0.1	-	-	-
Total Organic Carbon (TOC) - Manual	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	4.3	0.3	6.4	2.5	3

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Lab Sample Number	462109	462110	462111	462112	462113
Sample Reference	MW25-25	MW25-25	MW25-25	MW25-25	DUP-12
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.30	2.40	5.80	6.50	None Supplied
Date Sampled	19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken	1057	1059	1101	1117	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	54	3.1	3
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	16	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	0.95	0.86
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	170	3.1	2.4

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	240	7.1	6.3
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.19	< 0.05	2400 [§]	27	31
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	760	0.21	0.38
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	140	< 0.05	0.17
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	650	0.17	0.4
Phenanthrene	mg/kg	0.05	MCERTS	0.05	< 0.05	1900 [§]	0.6	0.44
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	650	0.15	0.08
Fluoranthene	mg/kg	0.05	MCERTS	0.06	< 0.05	1200 [§]	0.42	0.1
Pyrene	mg/kg	0.05	MCERTS	0.08	< 0.05	940	0.33	0.11
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	450	0.16	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	390	0.15	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	410	0.18	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	170	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	390	0.17	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	150	0.08	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	35	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	160	0.1	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	10800	29.6	33.1
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	12	4.5	7.8	8.8	8.3
Boron (water soluble)	mg/kg	0.2	MCERTS	1.4	0.4	1.5	1.1	0.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	30	10	20	16	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	21	7.8	15	18	17
Lead (aqua regia extractable)	mg/kg	1	MCERTS	29	4.9	9.6	11	10
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	6.8	21	17	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	77	21	56	46	51

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Project / Site name: Cadent Hinckley
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Lab Sample Number	462109	462110	462111	462112	462113
Sample Reference	MW25-25	MW25-25	MW25-25	MW25-25	DUP-12
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.30	2.40	5.80	6.50	None Supplied
Date Sampled	19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken	1057	1059	1101	1117	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	0.4	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	-	0.53	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	16	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	54	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	53	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	47	< 8.0	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	170	< 10	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	46 ^{§%}	0.88	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	-	42 ^{§%}	0.46	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	-	66 ^{§%}	25	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	1800 ^{§\$}	12	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	3500 ^{§\$}	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	6000 ^{§\$}	< 10	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	4200 ^{§\$}	< 10	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	16000	38	-

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	-	-	27
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	< 0.0050	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	-	< 0.005	< 0.005	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	< 0.0050	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	< 0.0070	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Benzene	mg/kg	0.005	MCERTS	0.012	< 0.005	46 ^{§*}	0.87	0.65
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	< 0.0060	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
Toluene	mg/kg	0.005	MCERTS	0.012	< 0.005	42 ^{§*}	0.42	0.18
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	< 0.0060	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-

Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				462109	462110	462111	462112	462113
Sample Reference				MW25-25	MW25-25	MW25-25	MW25-25	DUP-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.40	5.80	6.50	None Supplied
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1057	1059	1101	1117	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	5.1 %	8.9 %	3.1
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	< 0.008	38 %	8.8 %	2.9
Styrene	mg/kg	0.005	MCERTS	-	-	29 %	-	-
Bromoforn	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	22 %	5 %	1.4
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	0.4	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	< 0.0050	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	0.58	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	6.1 %	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	13 %	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	< 0.0080	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	< 0.0050	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	2.4	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	< 0.2	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	55	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	< 0.05	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	91	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	220	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	< 0.2	-	-

Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				462109	462110	462111	462112	462113
Sample Reference				MW25-25	MW25-25	MW25-25	MW25-25	DUP-12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	2.40	5.80	6.50	None Supplied
Date Sampled				19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken				1057	1059	1101	1117	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	620 [§]	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	550 [§]	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	< 0.3	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.30	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	320	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	14	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	< 0.3	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				462114	462115
Sample Reference				MW25-27	MW25-27
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.50	3.30
Date Sampled				19/02/2025	19/02/2025
Time Taken				1550	1559
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	22.9	19.7
Moisture Content	%	0.01	NONE	12	16
Total mass of sample received	kg	0.1	NONE	0.5	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Detected	-
Asbestos Analyst ID	N/A	N/A	N/A	KSZ	-
Analysis completed	N/A	N/A	N/A	27/02/2025	-
Actinolite detected	Type	N/A	ISO 17025	Not-detected	-
Amosite detected	Type	N/A	ISO 17025	Detected	-
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	-
Chrysotile detected	Type	N/A	ISO 17025	Detected	-
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	-
Tremolite detected	Type	N/A	ISO 17025	Not-detected	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	0.018	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Loose Fibres, Loose Fibrous Debris	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.3	8.6
Total Cyanide	mg/kg	1	MCERTS	8.1	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	8.1	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	4400	330
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	2210	164
Sulphide	mg/kg	1	MCERTS	4	76
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	64	130 ^{ss}
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	290
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	320
Organic Matter	%	0.1	MCERTS	-	-
Organic Matter (automated)	%	0.1	MCERTS	1.6	0.4
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-
Total Organic Carbon (TOC) - Manual	%	0.1	MCERTS	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	4.1	1.1

Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				462114	462115
Sample Reference				MW25-27	MW25-27
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.50	3.30
Date Sampled				19/02/2025	19/02/2025
Time Taken				1550	1559
Analytical Parameter (Soil Analysis)				Units	Test Limit of detection
				Test Accreditation Status	

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	2.3
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	5

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	7.3
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.33	98
Acenaphthylene	mg/kg	0.05	MCERTS	1.3	11
Acenaphthene	mg/kg	0.05	MCERTS	0.1	7
Fluorene	mg/kg	0.05	MCERTS	0.25	6.9
Phenanthrene	mg/kg	0.05	MCERTS	3	17
Anthracene	mg/kg	0.05	MCERTS	1.1	3.2
Fluoranthene	mg/kg	0.05	MCERTS	8.7	15
Pyrene	mg/kg	0.05	MCERTS	8.3	11
Benzo(a)anthracene	mg/kg	0.05	MCERTS	5.7	3
Chrysene	mg/kg	0.05	MCERTS	5.3	2.3
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	11	1.8
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.5	0.69
Benzo(a)pyrene	mg/kg	0.05	MCERTS	7.6	1.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	5.4	0.59
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.94	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	5.7	0.64

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	68	179
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	49	7.1
Boron (water soluble)	mg/kg	0.2	MCERTS	2.5	1.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	26	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	46	18
Lead (aqua regia extractable)	mg/kg	1	MCERTS	200	11
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.7	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	28	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	210	54

Analytical Report Number: 25-008926
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number	462114	462115
Sample Reference	MW25-27	MW25-27
Sample Number	None Supplied	None Supplied
Water Matrix	N/A	N/A
Depth (m)	0.50	3.30
Date Sampled	19/02/2025	19/02/2025
Time Taken	1550	1559
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection
		Test Accreditation Status

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	0.027
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	0.67
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	-	22 %
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	20
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	51
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	8.7
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	48
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	150

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	0.6
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	-	0.77
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	-	23
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	120
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	120
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	89
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	56
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	400

TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	150	-
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	-	< 0.0050
Chloroethane	mg/kg	0.005	MCERTS	-	< 0.0050
Bromomethane	mg/kg	0.005	MCERTS	-	< 0.0050
Vinyl Chloride	mg/kg	0.005	NONE	-	< 0.0050
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	< 0.0050
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	< 0.0050
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	< 0.0050
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	< 0.0050
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	-	< 0.005
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	< 0.0050
2,2-Dichloropropane	mg/kg	0.005	NONE	-	< 0.0050
Chloroform	mg/kg	0.005	MCERTS	-	< 0.0050
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	< 0.0050
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	< 0.0070
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	< 0.0050
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	< 0.0050
Benzene	mg/kg	0.005	MCERTS	< 0.005	0.6
Carbontetrachloride	mg/kg	0.005	MCERTS	-	< 0.0050
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	< 0.0060
Trichloroethene	mg/kg	0.01	MCERTS	-	< 0.010
Dibromomethane	mg/kg	0.005	MCERTS	-	< 0.0050
Bromodichloromethane	mg/kg	0.005	MCERTS	-	< 0.0050
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	< 0.0050
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	< 0.010
Toluene	mg/kg	0.005	MCERTS	< 0.005	0.66
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	< 0.0060
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	< 0.0050
Dibromochloromethane	mg/kg	0.005	MCERTS	-	< 0.0050
Tetrachloroethene	mg/kg	0.005	MCERTS	-	< 0.0050

Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Lab Sample Number				462114	462115
Sample Reference				MW25-27	MW25-27
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.50	3.30
Date Sampled				19/02/2025	19/02/2025
Time Taken				1550	1559
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	< 0.0050
Chlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	< 0.0050
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	2.2
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	10 %
Styrene	mg/kg	0.005	MCERTS	-	< 0.0050
Bromoform	mg/kg	0.005	MCERTS	-	< 0.0050
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	4.8 %
Isopropylbenzene	mg/kg	0.005	MCERTS	-	0.25
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	< 0.0050
Bromobenzene	mg/kg	0.005	MCERTS	-	< 0.0050
n-Propylbenzene	mg/kg	0.005	MCERTS	-	0.62
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	< 0.0050
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	< 0.0050
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	6.4 %
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	< 0.0050
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	11 %
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	< 0.0050
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	0.44
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050
Butylbenzene	mg/kg	0.005	MCERTS	-	0.36
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	< 0.0080
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	< 0.0050
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	< 0.0050

SVOCs

Aniline	mg/kg	0.1	NONE	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-

Analytical Report Number: 25-008926
 Project / Site name: Cadent Hinckley
 Your Order No: 415001-00017_00401

Lab Sample Number				462114	462115
Sample Reference				MW25-27	MW25-27
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.50	3.30
Date Sampled				19/02/2025	19/02/2025
Time Taken				1550	1559
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-
Azobenzene	mg/kg	0.3	NONE	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley
Your Order No: 415001-00017_00401

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
462103	VW25-19A	0.20	150	Loose Fibres	Chrysotile	< 0.001	< 0.001
462105	VW25-20A	0.20	128	Loose Fibrous Debris	Amosite	0.009	0.009
462114	MW25-27	0.50	135	Loose Fibres, Loose Fibrous Debris	Amosite & Chrysotile	0.018	0.018

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number	462106	462108	462110	462114	462115
Sample Reference	VW25-20A	VW25-21	MW25-25	MW25-27	MW25-27
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.75	0.75	2.40	0.50	3.30
Date Sampled	19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken	1650	1415	1059	1550	1559
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status		

General Inorganics

pH (automated)	pH Units	N/A	ISO 17025	7.9	7.1	8.1	7.5	8.8
Electrical Conductivity	µS/cm	10	ISO 17025	430	180	43	1100	270
Total Cyanide	mg/l	0.01	ISO 17025	0.31	0.01	< 0.010	0.042	< 0.010
Complex Cyanide	mg/l	0.01	ISO 17025	0.3103	0.0105	< 0.0100	0.0422	< 0.0100
Free Cyanide	mg/l	0.01	ISO 17025	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiocyanate as SCN	mg/l	0.2	ISO 17025	< 0.2	0.7	< 0.2	< 0.2	< 0.2
Sulphate as SO ₄	mg/l	0.045	ISO 17025	155	26.3	1.76	560	23.8
Elemental Sulphur	mg/l	20	NONE	< 20	< 20	< 20	< 20	< 20
Sulphide	mg/l	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloride	mg/l	0.15	ISO 17025	4.1	17	0.69	9	19
Ammoniacal Nitrogen as NH ₄ ⁺	mg/l	0.015	NONE	0.03	5.2	0.023	0.1	37
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	5.2	100	4.9	4.8	22
Total Suspended Solids	mg/l	2	NONE	< 2.0	< 2.0	< 2.0	< 2.0	15.1

Phenols by HPLC

Catechol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Resorcinol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylphenol & Dimethylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	5.015
Cresols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	2.322
Naphthols	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
2-Isopropylphenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Phenol	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Trimethylphenol (2,3,5-)	mg/l	0.0005	NONE	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005

Total Phenols

Total Phenols (HPLC)	mg/l	0.0035	NONE	< 0.0035	< 0.0035	< 0.0035	< 0.0035	7.3
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Speciated PAHs

Naphthalene	mg/l	0.00001	NONE	0.00024	0.00021	0.00105	0.00237	U/S ^{U/S f}
Acenaphthylene	mg/l	0.00001	NONE	0.00027	< 0.00001	0.00003	0.00006	0.0794 ^{4%}
Acenaphthene	mg/l	0.00001	NONE	0.00058	< 0.00001	< 0.00001	0.00008	0.0284 ^{4%}
Fluorene	mg/l	0.00001	NONE	0.00025	0.00004	0.00003	0.00005	0.01487
Phenanthrene	mg/l	0.00001	NONE	0.00053	< 0.00001	0.00008	0.00013	0.01348
Anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Fluoranthene	mg/l	0.00001	NONE	0.0003	< 0.00001	< 0.00001	0.00005	0.00517
Pyrene	mg/l	0.00001	NONE	0.00019	< 0.00001	< 0.00001	< 0.00001	0.00329
Benzo(a)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00059
Chrysene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00049
Benzo(b)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00026
Benzo(k)fluoranthene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00011
Benzo(a)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Indeno(1,2,3-cd)pyrene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00006
Dibenz(a,h)anthracene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(ghi)perylene	mg/l	0.00001	NONE	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00009

Total PAH

Total EPA-16 PAHs	mg/l	0.00016	NONE	0.00236	0.00025	0.00119	0.00274	U/S
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Analytical Report Number: 25-008926
Project / Site name: Cadent Hinckley

Your Order No: 415001-00017_00401

Lab Sample Number	462106	462108	462110	462114	462115
Sample Reference	VW25-20A	VW25-21	MW25-25	MW25-27	MW25-27
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.75	0.75	2.40	0.50	3.30
Date Sampled	19/02/2025	19/02/2025	19/02/2025	19/02/2025	19/02/2025
Time Taken	1650	1415	1059	1550	1559
Analytical Parameter (Leachate Analysis)	Units	Test Limit of Detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (dissolved)	mg/l	0.001	ISO 17025	0.002	0.034	0.003	0.003	0.005
Cadmium (dissolved)	mg/l	0.00008	ISO 17025	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Chromium (hexavalent)	mg/l	0.005	ISO 17025	< 0.005	U/S ^{u/s f}	< 0.005	< 0.005	0.007
Chromium (dissolved)	mg/l	0.0004	ISO 17025	0.0007	0.0018	0.0014	0.0007	0.0072
Copper (dissolved)	mg/l	0.0007	ISO 17025	0.0037	0.0097	0.002	0.0015	0.0116
Iron (dissolved)	mg/l	0.004	ISO 17025	0.41	5	0.92	0.094	5.7
Lead (dissolved)	mg/l	0.001	ISO 17025	0.003	0.002	0.001	0.003	0.004
Mercury (dissolved)	mg/l	0.0005	ISO 17025	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Nickel (dissolved)	mg/l	0.0003	ISO 17025	0.0019	0.0036	0.0009	0.0007	0.0082
Selenium (dissolved)	mg/l	0.004	ISO 17025	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Zinc (dissolved)	mg/l	0.0004	ISO 17025	0.0047	0.0046	0.0017	0.0031	0.0171

Petroleum Hydrocarbons

TPH - Aliphatic >EC5 - EC35 ^{HS+EH_2D_AR_#1_#2}	mg/l	0.01	NONE	< 0.01	< 0.01	-	-	< 0.01
TPH - Aliphatic >EC5 - EC6 ^{HS_1D_AL}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-	-	< 0.0010
TPH - Aliphatic >EC6 - EC8 ^{HS_1D_AL}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-	-	< 0.0010
TPH - Aliphatic >EC8 - EC10 ^{HS_1D_AL}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-	-	< 0.0010
TPH - Aliphatic >EC10 - EC12	mg/l	0.01	NONE	< 0.01	< 0.01	-	-	< 0.01
TPH - Aliphatic >EC12 - EC16	mg/l	0.01	NONE	< 0.01	< 0.01	-	-	< 0.01
TPH - Aliphatic >EC16 - EC21	mg/l	0.01	NONE	< 0.01	< 0.01	-	-	< 0.01
TPH - Aliphatic >EC21 - EC35	mg/l	0.01	NONE	< 0.01	< 0.01	-	-	< 0.01

TPH - Aromatic >EC5 - EC35 ^{HS+EH_2D_AR_#1_#2}	mg/l	0.01	NONE	0.11	0.06	-	-	13.1
TPH - Aromatic >EC5 - EC7 ^{HS_1D_AR}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-	-	0.045
TPH - Aromatic >EC7 - EC8 ^{HS_1D_AR}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-	-	0.064
TPH - Aromatic >EC8 - EC10 ^{HS_1D_AR}	mg/l	0.001	NONE	< 0.0010	< 0.0010	-	-	0.48
TPH - Aromatic >EC10 - EC12	mg/l	0.01	NONE	0.04	0.03	-	-	10.1
TPH - Aromatic >EC12 - EC16	mg/l	0.01	NONE	0.04	0.03	-	-	1.85
TPH - Aromatic >EC16 - EC21	mg/l	0.01	NONE	0.03	< 0.01	-	-	0.25
TPH - Aromatic >EC21 - EC35	mg/l	0.01	NONE	< 0.01	< 0.01	-	-	0.24

TPH (EC10 - EC40) ^{EH_2D_TOTAL_#1_#2}	mg/l	0.01	NONE	0.11	-	0.08	0.07	-
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VOCs

Methyl-t-butyl ether (MTBE)	mg/l	0.003	NONE	< 0.003	< 0.003	-	-	< 0.003
Benzene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	0.045
Toluene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	0.062
Ethylbenzene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	0.052
P & m-Xylene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	0.25
O-Xylene	mg/l	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	0.14

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-008926

Project / Site name: Cadent Hinckley

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
462099	MW25-26	None Supplied	0.3	Brown gravelly sand with stones
462100	MW25-26	None Supplied	2	Brown clay and sand with gravel
462101	MW25-26	None Supplied	6	Brown sand
462102	DUP 13	None Supplied	None Supplied	Brown clay and sand with gravel and stones
462103	VW25-19A	None Supplied	0.2	Brown gravelly sand with vegetation and stones
462104	VW25-19A	None Supplied	0.85	Brown clay and sand with gravel and stones
462105	VW25-20A	None Supplied	0.2	Brown loam and clay with vegetation and stones
462106	VW25-20A	None Supplied	0.75	Brown loam and clay with vegetation and stones
462107	VW25-21	None Supplied	0.25	Non Soil. ⁹
462108	VW25-21	None Supplied	0.75	Brown clay and sand
462109	MW25-25	None Supplied	0.3	Brown clay and sand with stones
462110	MW25-25	None Supplied	2.4	Brown sand
462111	MW25-25	None Supplied	5.8	Brown clay and sand with stones
462112	MW25-25	None Supplied	6.5	Brown clay and sand
462113	DUP-12	None Supplied	None Supplied	Brown clay and sand
462114	MW25-27	None Supplied	0.5	Brown sand with gravel and stones
462115	MW25-27	None Supplied	3.3	Brown clay and sand with stones

Analytical Report Number : 25-008926

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in leachate	Determination of elemental sulphur in leachate by extraction in dichloromethane followed by GC-MS	In-house method: Sample is extracted in dichloromethane prior to analysis by GC-MS	L021B	W	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Organic matter in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L023B	D	MCERTS
Total organic carbon in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L023B	D	MCERTS
Phenols, speciated, in soil, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	D	MCERTS
Electrical conductivity at 20°C of leachate	Determination of electrical conductivity in leachate by electrometric measurement	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031B	W	ISO 17025

Analytical Report Number : 25-008926

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Dissolved Organic Carbon in leachate	Determination of dissolved organic carbon in leachate by the measurement on a non-dispersive infrared analyser of carbon dioxide released by acidification	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil (low level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry	In-house method	L080-PL	W	NONE
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS

Analytical Report Number : 25-008926

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride in leachate	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Exchangeable Ammonium as NH4 in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Thiocyanate in leachate	Determination of thiocyanate in water by discrete analyser (colorimetry)	In-house method based on SMWW 4500-CN-M	L082B	W	ISO 17025
Thiocyanate in soil	Determination of thiocyanate in soil by extraction in water followed by acidification followed by addition of ferric nitrate followed by discrete analyser (spectrophotometer)	In-house method	L082B	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE
Complex cyanide in leachate	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Free cyanide in leachate	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Ammonium as NH4 in leachate	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	ISO 17025

Analytical Report Number : 25-008926

Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Sulphide in leachate	Determination of sulphide in leachate by ion selective electrode	In-house method	L029-PL	W	NONE
Phenols, speciated, in leachate, by HPLC	Determination of speciated phenols by HPLC	In-house method based on Blue Book Method	L030-PL	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L070B/L088-PL	W	NONE
Fraction Organic Carbon FOC Automated	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate	In-house method	L009B	D	MCERTS
Suspended Solids in leachate	Determination of Settleable Solids by gravimetry	In-house method	L004B	W	NONE
Total petroleum hydrocarbons with carbon banding by GCxGC-FID	Determination of total petroleum hydrocarbons in leachate by GC x GC FID with carbon banding aliphatic and aromatic C10-C35	In-house method	L101B	W	NONE

Analytical Report Number : 25-008926
Project / Site name: Cadent Hinckley

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total petroleum hydrocarbons in leachate	Determination of total petroleum hydrocarbons in leachate by GC x GC FID	In-house method	L101B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

\$\$ - Result was reported from high dilution. The result should be interpreted with caution.

\$ - Concentration has been determined by extrapolated calibration as analyte concentration is above the concentration range for the procedure after dilution. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.

% - Concentration has been determined by extrapolated calibration as analyte concentration is above the concentration range for the procedure. The result should be considered as deviating and should be interpreted with caution. The result is not accredited.

&+ - Result is above calibration range after the maximum dilution has been applied. The result should be considered the minimum value. The actual result could be significantly higher. This result is not accredited.

*U/S f - Unsuitable for analysis due to sample matrix (has absorbed the internal standard, which is used to calculate the concentrations of the determined chemical compounds.)

*g - Unaccredited sample matrix.

Analytical Report Number : 25-008926

Project / Site name: Cadent Hinckley

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e -

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DUP 13	N/A	S	462102	c	Sulphide in soil	L010-PL	c
DUP-12	N/A	S	462113	c	Sulphide in soil	L010-PL	c
MW25-25	N/A	S	462109	c	Sulphide in soil	L010-PL	c
MW25-25	N/A	S	462110	c	Sulphide in soil	L010-PL	c
MW25-25	N/A	S	462111	c	Sulphide in soil	L010-PL	c
MW25-25	N/A	S	462112	c	Sulphide in soil	L010-PL	c
MW25-26	N/A	S	462099	c	Sulphide in soil	L010-PL	c
MW25-26	N/A	S	462100	c	Sulphide in soil	L010-PL	c
MW25-26	N/A	S	462101	c	Sulphide in soil	L010-PL	c
MW25-27	N/A	S	462114	c	Sulphide in soil	L010-PL	c
MW25-27	N/A	S	462115	c	Sulphide in soil	L010-PL	c
VW25-19A	N/A	S	462103	c	Sulphide in soil	L010-PL	c
VW25-19A	N/A	S	462104	c	Sulphide in soil	L010-PL	c
VW25-20A	N/A	S	462105	c	Sulphide in soil	L010-PL	c
VW25-20A	N/A	S	462106	c	Sulphide in soil	L010-PL	c
VW25-21	N/A	S	462107	c	Sulphide in soil	L010-PL	c
VW25-21	N/A	S	462108	c	Sulphide in soil	L010-PL	c

Worley Consulting
Studio 1NW
The Quorum
Bond Street
Bristol
BS1 3AE

t: 01179105123

e: leanne.carr@worley.com
ingrid.laubscher@worley.com
labdata@advisian.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 25-008976

Replaces Analytical Report Number: 25-008976, issue no. 1

Additional analysis undertaken.

Asbestos Quantification added to sample 462400 & 462419, TPH CWG added to samples 462393 & 462405
and SVOCs added to sample 462400 as per clients request

Project / Site name:	Cadent Hickley	Samples received on:	24/02/2025
Your job number:	00401	Samples instructed on/ Analysis started on:	24/02/2025
Your order number:	415001-00017-00401	Analysis completed by:	13/03/2025
Report Issue Number:	2	Report issued on:	13/03/2025
Samples Analysed:	30 soil samples - 7 leachate samples		

Signed:



Matthew O'Connell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting
air - once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.

Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.

Application of uncertainty of measurement would provide a range within which the true result lies.

An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-008976
Project / Site name: Cadent Hickley
Your Order No: 415001-00017-00401

Lab Sample Number	462393	462394	462395	462396	462397
Sample Reference	MW25-20	MW25-20	MW25-20	DUP-9	MW25-21
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.00	5.40	9.90	None Supplied	0.30
Date Sampled	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025
Time Taken	1317	1330	1340	None Supplied	1115
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	32.4	< 0.1	< 0.1	< 0.1	6.1
Moisture Content	%	0.01	NONE	12	17	19	18	12
Total mass of sample received	kg	0.1	NONE	0.5	0.6	0.5	0.6	0.5

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KJK	-	-	-	KJK
Analysis completed	N/A	N/A	N/A	27/02/2025	-	-	-	27/02/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9.2	8.3	8.7	8.8	10
Total Cyanide	mg/kg	1	MCERTS	1.4	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	1.4	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	850	320	69	73	94
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	426	161	34.2	36.5	47.1
Sulphide	mg/kg	1	MCERTS	14	130	140	150	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	41	89	59	58	57
Elemental Sulphur	mg/kg	5	MCERTS	18	370	11	12	8.1
Ammonium - Exchangeable as NH ₄ ⁺	mg/kg	0.5	NONE	< 0.5	36	270 ^{SS}	130	< 0.5
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	2.9	1.4	1.3	1.4	0.4
Fraction Organic Carbon (FOC) Automated	N/A	0.001	MCERTS	-	-	0.0073	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	-	-
Loss on Ignition @ 450°C	%	0.2	MCERTS	6.3	1.6	1.6	1.7	1.6

Phenols by HPLC

Catechol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Resorcinol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols (o-, m-, p-)	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	MCERTS	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
2-Isopropylphenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenol	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenol (2,3,5-)	mg/kg	0.1	MCERTS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Xylenols and Ethylphenols	mg/kg	0.4	MCERTS	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40

Analytical Report Number: 25-008976
 Project / Site name: Cadent Hickley
 Your Order No: 415001-00017-00401

Lab Sample Number	462393	462394	462395	462396	462397
Sample Reference	MW25-20	MW25-20	MW25-20	DUP-9	MW25-21
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.00	5.40	9.90	None Supplied	0.30
Date Sampled	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025
Time Taken	1317	1330	1340	None Supplied	1115
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Total Phenols

Total Phenols (HPLC)	mg/kg	1.4	NONE	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	2.8	650	3.2	0.17	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.32	76	0.07	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.06	22	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.12	44	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1.9	66	< 0.05	< 0.05	0.12
Anthracene	mg/kg	0.05	MCERTS	0.41	15	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	2.8	31	< 0.05	< 0.05	0.18
Pyrene	mg/kg	0.05	MCERTS	2.4	23	< 0.05	< 0.05	0.16
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.6	9.2	< 0.05	< 0.05	0.1
Chrysene	mg/kg	0.05	MCERTS	1.7	9	< 0.05	< 0.05	0.1
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2	8.4	< 0.05	< 0.05	0.11
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.91	3.7	< 0.05	< 0.05	0.06
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.4	6	< 0.05	< 0.05	0.12
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.89	3.4	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.17	1.4	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.99	2.9	< 0.05	< 0.05	0.07

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	20.5	968	3.22	< 0.80	1.02
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	3.2	11	11	8.9
Boron (water soluble)	mg/kg	0.2	MCERTS	1.8	0.7	1	1.1	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent) Low Level	mg/kg	1.2	NONE	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14	8.1	14	16	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	30	14	23	19	15
Lead (aqua regia extractable)	mg/kg	1	MCERTS	140	5.8	8.7	9.2	13
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	7.5	16	16	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	47	26	45	51	67

Analytical Report Number: 25-008976
 Project / Site name: Cadent Hickley
 Your Order No: 415001-00017-00401

Lab Sample Number	462393	462394	462395	462396	462397
Sample Reference	MW25-20	MW25-20	MW25-20	DUP-9	MW25-21
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	1.00	5.40	9.90	None Supplied	0.30
Date Sampled	17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025
Time Taken	1317	1330	1340	None Supplied	1115
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_ID_AL}	mg/kg	0.01	MCERTS	< 0.010	0.28	-	-	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_ID_AL}	mg/kg	0.01	MCERTS	< 0.010	28 ^{5%}	-	-	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_ID_AL}	mg/kg	0.01	MCERTS	< 0.010	120 ^{5%}	-	-	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL}	mg/kg	1	MCERTS	9.8	220 ^{5%}	-	-	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL}	mg/kg	2	MCERTS	220	960 ^{5%}	-	-	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	460	310	-	-	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL}	mg/kg	8	MCERTS	250	56	-	-	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	940	1700	-	-	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_ID_AR}	mg/kg	0.01	MCERTS	< 0.010	5.4 ^{5%}	-	-	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_ID_AR}	mg/kg	0.01	MCERTS	< 0.010	27 ^{5%}	-	-	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_ID_AR}	mg/kg	0.02	MCERTS	< 0.020	250 ^{5%}	-	-	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR}	mg/kg	1	MCERTS	2.5	770 ^{5%}	-	-	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR}	mg/kg	2	MCERTS	24	1000 ^{5%}	-	-	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	95	400	-	-	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR}	mg/kg	10	MCERTS	93	150	-	-	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	220	2600	-	-	-

TPH (EC10 - EC40) _{EH_CU_ID_TOTAL}	mg/kg	10	MCERTS	1200	-	< 10	< 10	< 10
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VOCs

Chloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Vinyl Chloride	mg/kg	0.005	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	MCERTS	< 0.005	< 0.005	-	-	-
1,1-Dichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.005	NONE	-	-	-	-	-
Chloroform	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.007	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-
Benzene	mg/kg	0.005	MCERTS	< 0.005	5.4 ^{5%}	3.5	9.1 ^{5%}	< 0.005
Carbontetrachloride	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.006	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.01	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.005	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.01	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	26 ^{5%}	< 0.005	< 0.005	< 0.005
1,1,2-Trichloroethane	mg/kg	0.006	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.005	MCERTS	-	-	-	-	-
Dibromochloromethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Tetrachloroethene	mg/kg	0.005	MCERTS	-	-	-	-	-

Analytical Report Number: 25-008976
 Project / Site name: Cadent Hickley
 Your Order No: 415001-00017-00401

Lab Sample Number				462393	462394	462395	462396	462397
Sample Reference				MW25-20	MW25-20	MW25-20	DUP-9	MW25-21
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.00	5.40	9.90	None Supplied	0.30
Date Sampled				17/02/2025	17/02/2025	17/02/2025	17/02/2025	17/02/2025
Time Taken				1317	1330	1340	None Supplied	1115
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2-Dibromoethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Chlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	37 %	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.008	MCERTS	< 0.008	100 %	< 0.008	< 0.008	< 0.008
Styrene	mg/kg	0.005	MCERTS	-	-	-	-	-
Bromoform	mg/kg	0.005	MCERTS	-	-	-	-	-
o-Xylene	mg/kg	0.005	MCERTS	< 0.005	67 %	< 0.005	< 0.005	< 0.005
Isopropylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.005	NONE	-	-	-	-	-
Bromobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.008	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.005	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.005	MCERTS	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-