Report Number	21-25588		
Order number			
Sample Number	2097209	Sample date	24/11/2021
Sample ID	WS206	Sample Start Time	
Depth		Sample Stop Time	
Canister Number	1324	Initial Pressure (PSI)	-13.02
Sample Volume	5300	Final Pressure (PSI)	0.00
		Dilution	3.04

75-34-3	TPH Aliphatic C8-C10	NONE	30	450	µg/m3			
120-82-1	TPH Aromatic C6-C7	NONE	30	< 30	µg/m3			
95-63-6	TPH Aromatic C7-C8	NONE	30	< 30	µg/m3			
106-93-4	TPH Aromatic C8-C10	NONE	30	110	µg/m3			
	TPH >C10-C12	ISO 17025	30	220	ug/m3			
	PRO >C5-C12	ISO 17025	30	1600	ug/m3	5	270	ppbv
	TPH >C5-C6	ISO 17025	30	< 30	ug/m3			
	TPH >C6-C8	ISO 17025	30	850	ug/m3			
	TPH >C8-C10	ISO 17025	30	570	ug/m3			

			VOC TICS		
CAS #	Compound Name	Accreditation	Compound Name	% Match	Amount (ppbv)
	VOC TIC Match 1	None	Methylcyclohexane	97	14
	VOC TIC Match 2	None	2,2,4,6,6-Pentamethylheptane	94	9.6
	VOC TIC Match 3	None	Octane	95	4.5
	VOC TIC Match 4	None	Ethylcyclohexane	95	4.4
	VOC TIC Match 5	None	cis-1,2-Dimethylcyclohexane	93	5.5
	VOC TIC Match 6	None	Heptane	96	4.3
	VOC TIC Match 7	None	trans-1,2-Dimethylcyclohexane	94	3
	VOC TIC Match 8	None	Cyclopentanone	87	2.8
	VOC TIC Match 9	None	** 6-Methyltridecane	89	2.5
	VOC TIC Match 10	None	2-Methylheptane	94	3.3

** Other compounds found with in 1% of Library best fit.

Report Number	21-25588		
Order number			
Sample Number	2097210	Sample date	24/11/2021
Sample ID	WS207C	Sample Start Time	
Depth		Sample Stop Time	
Canister Number	1569	Initial Pressure (PSI)	-13.51
Sample Volume	5200	Final Pressure (PSI)	-0.69
		Dilution	3.10

CAS #	Compound Name	Accreditation	LoD	Result	Units #	LoD	Result	Units
71-55-6	1,1,1-Trichloroethane	ISO 17025	2.8	< 2.8	µg/m3	0.5	< 0.5	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	ISO 17025	3.5	< 3.5	µg/m3	0.5	< 0.5	ppbv
79-00-5	1,1,2-Trichloroethane	ISO 17025	2.8	< 2.8	µg/m3	0.5	< 0.5	ppbv
75-35-4	1,1-Dichloroethene	ISO 17025	2	< 2.0	µg/m3	0.5	< 0.5	ppbv
75-34-3	1,1-Dichloroethane	ISO 17025	2.1	< 2.1	µg/m3	0.5	< 0.5	ppbv
120-82-1	1,2,4-Trichlorobenzene	ISO 17025	3.8	< 3.8	µg/m3	0.5	< 0.5	ppbv
95-63-6	1,2,4-Trimethylbenzene	ISO 17025	2.5	< 2.5	µg/m3	0.5	< 0.5	ppbv
106-93-4	1,2-Dibromoethane	ISO 17025	3.9	< 3.9	µg/m3	0.5	< 0.5	ppbv
95-50-1	1,2-Dichlorobenzene	ISO 17025	3.1	< 3.1	µg/m3	0.5	< 0.5	ppbv
107-06-2	1,2-Dichloroethane	ISO 17025	2	< 2.0	µg/m3	0.5	< 0.5	ppbv
78-87-5	1,2-Dichloropropane	ISO 17025	2.4	< 2.4	µg/m3	0.5	< 0.5	ppbv
106-99-0	1,3-Butadiene	ISO 17025	1.1	< 1.1	µg/m3	0.5	< 0.5	ppbv
541-73-1	1,3-Dichlorobenzene	ISO 17025	3.1	< 3.1	µg/m3	0.5	< 0.5	ppbv
106-46-7	1,4-Dichlorobenzene	ISO 17025	3.1	< 3.1	µg/m3	0.5	< 0.5	ppbv
123-91-1	1,4-Dioxane	ISO 17025	1.8	< 1.8	µg/m3	0.5	< 0.5	ppbv
622-96-8	4-Ethyltoluene	ISO 17025	2.5	< 2.5	µg/m3	0.5	< 0.5	ppbv
67-64-1	Acetone	ISO 17025	3.6	23	µg/m3	1.5	9.4	ppbv
107-02-8	Acrolein	ISO 17025	1.2	< 1.2	µg/m3	0.5	< 0.5	ppbv
75-27-4	Bromodichloromethane	ISO 17025	3.4	< 3.4	µg/m3	0.5	< 0.5	ppbv
100-44-7	Benzyl chloride	ISO 17025	2.6	< 2.6	µg/m3	0.5	< 0.5	ppbv
71-43-2	Benzene	ISO 17025	1	< 1.0	µg/m3	0.3	< 0.3	ppbv
74-83-9	Bromomethane	ISO 17025	2	< 2.0	µg/m3	0.5	< 0.5	ppbv
156-59-2	Cis-1,2-dichloroethene	ISO 17025	2	< 2.0	µg/m3	0.5	< 0.5	ppbv
10061-01-5	Cis-1,3-dichloropropene	ISO 17025	2.3	< 2.3	µg/m3	0.5	< 0.5	ppbv
108-90-7	Chlorobenzene	ISO 17025	2.3	< 2.3	µg/m3	0.5	< 0.5	ppbv
56-23-5	Carbon tetrachloride	ISO 17025	3.2	< 3.2	µg/m3	0.5	< 0.5	ppbv
75-15-0	Carbon disulphide	ISO 17025	1.6	4	µg/m3	0.5	1.3	ppbv
75-00-3	Chloroethane	ISO 17025	1.3	< 1.3	µg/m3	0.5	< 0.5	ppbv
67-66-3	Chloroform	ISO 17025	2.5	< 2.5	µg/m3	0.5	< 0.5	ppbv
74-87-3	Chloromethane	ISO 17025	1	1	µg/m3	0.5	< 0.5	ppbv
110-82-7	Cyclohexane	ISO 17025	1.8	< 1.8	µg/m3	0.5	< 0.5	ppbv
124-48-1	Dibromochloromethane	ISO 17025	4.3	< 4.3	µg/m3	0.5	< 0.5	ppbv
75-71-8	Dichlorodifluoromethane	ISO 17025	2.5	2.6	µg/m3	0.5	0.5	ppbv
75-09-2	Dichlomethane	ISO 17025	5.3	7	µg/m3	1.5	2	ppbv
76-14-2	Dichlorotetrafluoroethane	ISO 17025	3.6	< 3.6	µg/m3	0.5	< 0.5	ppbv
141-78-6	Ethyl acetate	ISO 17025	1.8	< 1.8	µg/m3	0.5	< 0.5	ppbv
100-41-4	Ethylbenzene	ISO 17025	1.3	< 1.3	µg/m3	0.3	< 0.3	ppbv
64-17-5	Ethanol	ISO 17025	2.9	3.4	µg/m3	1.5	1.8	ppbv
87-68-3	Hexachlorobutadiene	ISO 17025	5.4	< 5.4	µg/m3	0.5	< 0.5	ppbv
142-82-5	Heptane	ISO 17025	2.1	< 2.1	µg/m3	0.5	< 0.5	ppbv
110-54-3	Hexane	ISO 17025	1.8	< 1.8	µg/m3	0.5	< 0.5	ppbv
67-63-0	Isopropyl alcohol	ISO 17025	1.3	< 1.3	µg/m3	0.5	< 0.5	ppbv
591-78-6	2-Hexanone (MBK)	ISO 17025	2.1	< 2.1	µg/m3	0.5	< 0.5	ppbv
78-93-3	MEK	ISO 17025	1.5	3.2	µg/m3	0.5	1.1	ppbv
80-62-6	Methyl methacrylate	ISO 17025	2.1	< 2.1	µg/m3	0.5	< 0.5	ppbv
108-10-1	MIBK	ISO 17025	2.1	< 2.1	µg/m3	0.5	< 0.5	ppbv
1634-04-4	MTBE	ISO 17025	1.8	< 1.8	µg/m3	0.5	< 0.5	ppbv
95-47-6	O-xylene	ISO 17025	1.3	< 1.3	µg/m3	0.3	< 0.3	ppbv
	M/p-xylene	ISO 17025	1.3	< 1.3	µg/m3	0.3	< 0.3	ppbv
115-07-1	Propene	ISO 17025	0.9	< 0.9	µg/m3	0.5	< 0.5	ppbv
100-42-5	Styrene	ISO 17025	2.2	< 2.2	µg/m3	0.5	< 0.5	ppbv
156-60-5	Trans-1,2-dichloroethene	ISO 17025	2	< 2.0	µg/m3	0.5	< 0.5	ppbv
1061-02-6	Trans-1,3-dichloropropene	ISO 17025	2.3	< 2.3	µg/m3	0.5	< 0.5	ppbv
75-25-2	Bromoform	ISO 17025	5.3	< 5.3	µg/m3	0.5	< 0.5	ppbv
79-01-6	Trichloroethene	ISO 17025	2.7	< 2.7	µg/m3	0.5	< 0.5	ppbv
75-69-4	Trichlorofluoromethane	ISO 17025	2.9	< 2.9	µg/m3	0.5	< 0.5	ppbv
76-13-1	Trichlorotrifluoroethane	ISO 17025	3.9	< 3.9	µg/m3	0.5	< 0.5	ppbv
127-18-4	Tetrachloroethene	ISO 17025	3.5	< 3.5	µg/m3	0.5	< 0.5	ppbv
109-99-9	THF	ISO 17025	1.5	4.6	µg/m3	0.5	1.5	ppbv
108-67-8	1,3,5-Trimethylbenzene	ISO 17025	2.5	< 2.5	µg/m3	0.5	< 0.5	ppbv
108-88-3	Toluene	ISO 17025	1.2	< 1.2	µg/m3	0.3	< 0.3	ppbv
108-05-4	Vinyl acetate	ISO 17025	1.8	< 1.8	µg/m3	0.5	< 0.5	ppbv
75-01-4	Vinyl chloride	ISO 17025	1.3	< 1.3	µg/m3	0.5	< 0.5	ppbv
91-20-3	Naphthalene	ISO 17025	2.7	< 2.7	µg/m3	0.5	< 0.5	ppbv

- results in ug/m3 outside the scope of accreditation

CAS #	Compound Name	Accreditation	LoD	Result	Units	LoD	Result	Units
79-00-5	TPH Aliphatic C5-C6	NONE	30	< 30	µg/m3			
75-35-4	TPH Aliphatic C6-C8	NONE	30	< 30	µg/m3			

Report Number	21-25588		
Order number			
Sample Number	2097210	Sample date	24/11/2021
Sample ID	WS207C	Sample Start Time	
Depth		Sample Stop Time	
Canister Number	1569	Initial Pressure (PSI)	-13.51
Sample Volume	5200	Final Pressure (PSI)	-0.69
		Dilution	3.10

75-34-3	TPH Aliphatic C8-C10	NONE	30	< 30	µg/m3			
120-82-1	TPH Aromatic C6-C7	NONE	30	< 30	µg/m3			
95-63-6	TPH Aromatic C7-C8	NONE	30	< 30	µg/m3			
106-93-4	TPH Aromatic C8-C10	NONE	30	< 30	µg/m3			
	TPH >C10-C12	ISO 17025	30	47	ug/m3			
	PRO >C5-C12	ISO 17025	30	52	ug/m3	5	8.5	ppbv
	TPH >C5-C6	ISO 17025	30	< 30	ug/m3			
	TPH >C6-C8	ISO 17025	30	< 30	ug/m3			
	TPH >C8-C10	ISO 17025	30	< 30	ug/m3			

			VOC TICS		
CAS #	**Compound Name**	**Accreditation**	**Compound Name**	**% Match**	**Amount (ppbv)**
	VOC TIC Match 1	None	2,2,4,6,6-Pentamethylheptane	90	3
	VOC TIC Match 2	None	Cyclopentanone	92	1.1
	VOC TIC Match 3	None	N.D.	-	-
	VOC TIC Match 4	None	N.D.	-	-
	VOC TIC Match 5	None	N.D.	-	-
	VOC TIC Match 6	None	N.D.	-	-
	VOC TIC Match 7	None	N.D.	-	-
	VOC TIC Match 8	None	N.D.	-	-
	VOC TIC Match 9	None	N.D.	-	-
	VOC TIC Match 10	None	N.D.	-	-

Analytical Report Number : 21-25588
Project / Site name: Concept - Colt DCS

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
PRO in air samples	Determination of Petroleum Range Organics in air by GC-MS	TO-15 Summa gas canister methodology	L107B-PL		ISO 17025
Bulk gas analysis in Tedlar Bags	Determination of Permanent Gases and Hydrocarbons in air by the Refinery Gas Analyzer	In-house methods based on TO-15	L108B-PL		NONE
Bulk gas analysis in Tedlar Bags - Hydrogen	Determination of Hydrogen in air by the Refinery Gas Analyzer	In-house methods based on TO-15	L108B-PL		ISO 17025
Tentatively identified compounds (VOC) in air	Determination of volatile organic compounds total ion count in air by GC-MS.	In-house method based on T0-15	L106B-PL		NONE
VOC in air samples	Determination of Volatile Organics Compunds in air by GC-MS	TO-15 Summa gas canister methodology	L106B-PL		ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

CERTIFICATE OF ANALYSIS

MULTI-SAMPLE REPORT REFERENCE	REGISTERED DATE	RECEIVED DATE	ANALYSIS STARTED	ANALYSIS COMPLETE
2021-16-38-09:38:32	14/12/2021	03/12/2021	03/12/2021	16/12/2021

LABORATORY
i2 Analytical
Croxley Green Business Park
7 Woodshots Meadow
Watford
WD18 8YS

CUSTOMER
Concept Engineering Consultants Ltd
Unit 8 Warple Mews
Warple Way
London
W3 0RF

SAMPLE REFERENCE	BH106	CLIENT SITE	Colt DCS Data Centre, Hayes
PO NUMBER	CL3364	CLIENT CODE	21/3600
DATE SAMPLED (DD/MM/YY)	01/12/2021		

Matrix: Gas Bag

			i2 Sample Number	320150
Determinand	Technique	LOD	Accreditation	
Carbon Dioxide	T385	125.0 ppmv	None	29000
Carbon Monoxide	T385	125.0 ppmv	UKAS	< 125.0
Ethane	T385	5.0 ppmv	UKAS	< 5.0
Hydrogen	T385	32.0 ppmv	UKAS	< 32.0
Methane	T385	5.0 ppmv	UKAS	6.9
Nitrogen	T385	5.0 %	None	81
Oxygen / Argon	T385	5.0 %	None	17

Technical Reviewer	Role
Mrs Kathryn Gleaves	Customer Services

UKAS TESTING

4041

Extra Testing Information

Technique Code	Technique Name	Samples
T385	L108B-RGA	320150

Testing Location	Samples
All analysis was carried out at i2 Analytical (Poland), i2 Analytical Limited Sp z.o.o, Oddziat w Polsce, ul.Pionierow 39, 41-711 Ruda Slaska, Poland	320150

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
Note: All 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 of uncertainty can be provided on request.
This is a simplified test report

Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.

i2 Analytical Limited.
Registered in England No.
4750390 VAT Reg. No. 821
0972 49

CERTIFICATE OF ANALYSIS

MULTI-SAMPLE REPORT REFERENCE	REGISTERED DATE	RECEIVED DATE	ANALYSIS STARTED	ANALYSIS COMPLETE
2021-24-25-12:25:58	14/12/2021	03/12/2021	03/12/2021	24/12/2021

LABORATORY
i2 Analytical
Croxley Green Business Park
7 Woodshots Meadow
Watford
WD18 8YS

CUSTOMER
Concept Engineering Consultants Ltd
Unit 8 Warple Mews
Warple Way
London
W3 0RF

SAMPLE REFERENCE	BH106	CLIENT SITE	Colt DCS Data Centre, Hayes
PO NUMBER	CL3364	CLIENT CODE	21/3600
DATE SAMPLED (DD/MM/YY)	01/12/2021		

Matrix: Gas Bag

				i2 Sample Number	320151
Determinand		Technique	LOD	Accreditation	
Hydrogen Sulphide		T437	0.01 %	None	< 0.01

Technical Reviewer	Role
Mrs Kathryn Gleaves	Customer Services

Extra Testing Information

Technique Code	Technique Name	Samples
T437	GC/TCD/FID-Subcon	320151

Testing Location	Samples
All analysis was carried out at Marchwood Scientific Services, Unit 5 Smithfold Lane, Worsley, Manchester, M28 0GP	320151

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Tests covered by this certificate were conducted in accordance with i2 Analytical's SOPs.
Note: All 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 of uncertainty can be provided on request.
This is a simplified test report

Results in black are positive/detected results. Results in gray are below the LOD or have not been found.
LOD = Limit of Determination. This is the lowest reportable limit of the test.

i2 Analytical Limited.
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0972 49

15. PHOTOGRAPHS

Project No	21/3600	Hole ID	TP302
Project Name	L4 Colt DCS Data Centre	Photograph No	001 & 002
Client	HDCI Hayes London Limited	Date	September 2021

CONCEPT

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Photograph No 001

Photograph No 002

Project No	21/3600	Hole ID	TP302
Project Name	L4 Colt DCS Data Centre	Photograph No	003 & 004
Client	HDCI Hayes London Limited	Date	September 2021

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coventry@conceptconsultants.co.uk
+44(0) 24 7708 7670

Photograph No 003

Photograph No 004

Project No	21/3600	Hole ID	TP303
Project Name	L4 Colt DCS Data Centre	Photograph No	005 & 006
Client	HDCI Hayes London Limited	Date	September 2021

CONCEPT
RISQS AGS CHAS BRITISH DRILLING ASSOCIATION
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MIDLANDS OFFICE: Unit D Herlad Way, Binley Industrial Estate, Coventry CV3 2RQ, coventry@conceptconsultants.co.uk, +44(0) 24 7708 7670

Photograph No 005

Photograph No 006