

## **Waste Analysis Notes**

Please note the total nitrogen value has an associated 'non-accredited' key. This is a result of the testing process in which all nitrogen components, which have an accredited method of analysis, are added to achieve the total nitrogen value rather than testing the component itself.

This has been discussed and approved with NRW under PAN-028759.



## ANALYTICAL TEST REPORT

**Report Number** 24-03533, issue number 3

**Contract name:** Leachate Compliance

**Client reference:** Not Supplied

**Clients name:** Isle of Anglesey County Council

**Clients address:** Isle of Anglesey County Council  
Penhesgyn Waste Site  
Llansadwrn  
Ynys Môn  
LL59 5RY

**Samples received:** 30/10/2024

**Analysis started:** 31/10/2024

**Analysis completed:** 12/03/2025

**Report issued:** 12/03/2025  
3. Replaces Analytical Report number 24-03533; issue no.2

**Key**

U UKAS accredited test  
M MCERTS & UKAS accredited test  
\$ Test carried out by an approved subcontractor  
I/S Insufficient sample to carry out test  
U/S Sample not suitable for testing  
NAD No Asbestos Detected



**Approved by:** Will Fardon  
Technical Director

# Re-Issue Summary

Client: Isle of Anglesey County Council  
Address: Penhesgyn Waste Site, Llansadwrn, Porthaethwy, Ynys Môn, LL59 5RY

**Date:** 12-Mar-25

**Report No.:** 24-03533

**Issue:** 3

This report replaces 24-03533, issue: 2, issued: 08 November 2024

**Reason for Change**

Corrected Nitrate Data

**Details of Changes to Job / Samples**

<u>Sample Ref</u>	<u>Field Name</u>	<u>Previous Data</u>	<u>New Data</u>	<u>Reason</u>	<u>Changed</u>
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**Details of Changes to Work / Results**

<u>Sample Refs:</u>	20408	20409	20410
<u>Tests* / Dets*:</u>			
Anions by Discrete	E		

Key

A - Additional Work added

D - Work Deleted

E - Result Edited\*

R - Work Repeated\*

\*If a result changed, please refer to the previous report for the old result. The new result will be shown in this report.

**Re-issued by:** Will Fardon  
Technical Director



**Approved by:** Sam Rogerson  
Manager



## DEVIATING SAMPLE INFORMATION

### Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

### Key

- a Sampling date not provided
- b Sampling time not provided (waters only)
- c Sample not received in appropriate containers
- d Storage Temperature
- e Headspace present in sample container
- f Sample exceeded sampling to receipt
- g Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
20408	Lagoon Leachate	-	Y	b, BOD(g), VPH in Water(g)
20409	Tank Leachate	-	Y	b, BOD(g), VPH in Water(g)
20410	Sweepings	-	Y	b, BOD(g), VPH in Water(g)



# WATER

Lab Number					20408	20409	20410
Client Reference					1	1	1
Sample ID					Lagoon Leachate	Tank Leachate	Sweepings
Sampling Date					28/10/2024	28/10/2024	28/10/2024
Test	Method	Accred	LoD	Units			
<b>Metals</b>							
Aluminium (Dissolved)	CE265	U	4.6	µg/l	340	200	505
Antimony (Dissolved)	CE265	N	0.8	µg/l	4.09	3.07	1.47
Arsenic (Dissolved)	CE265	U	0.1	µg/l	22.4	40.6	4.73
Barium (Dissolved)	CE265	U	0.9	µg/l	35.7	16.3	54.3
Beryllium (Dissolved)	CE265	N	0.07	µg/l	0.094	0.099	0.095
Boron (Dissolved)	CE265	N	4	µg/l	272	328	118
Cadmium (Dissolved)	CE265	U	0.1	µg/l	0.16	0.14	0.15
Calcium (Dissolved)	CE265	N	1	mg/l	57.4	76.8	38.2
Chromium (Dissolved)	CE265	U	0.5	µg/l	10.5	13.1	5.44
Copper (Dissolved)	CE265	U	0.6	µg/l	29.7	11.2	29.7
Iron (Dissolved)	CE265	U	0.035	mg/l	1.40	0.735	5.32
Lead (Dissolved)	CE265	U	0.6	µg/l	12.1	5.63	21.9
Magnesium (Dissolved)	CE265	U	0.2	mg/l	15.9	55.2	8.10
Manganese (Dissolved)	CE265	U	7	µg/l	462	804	1270
Mercury (Dissolved)	CE265	N	0.05	µg/l	< 0.050	< 0.050	< 0.050
Molybdenum (Dissolved)	CE265	N	0.9	µg/l	21.3	4.11	1.62
Nickel (Dissolved)	CE265	U	0.4	µg/l	15.3	52.5	1.37
Phosphorus (Dissolved)	CE265	N	9	µg/l	3970	11400	2370
Potassium (Dissolved)	CE265	U	0.5	mg/l	436	1080	54.9
Selenium (Dissolved)	CE265	U	1.1	µg/l	< 1.1	1.1	< 1.1
Sodium (Dissolved)	CE265	U	2.1	mg/l	96.9	166	27.7
Vanadium (Dissolved)	CE265	U	0.5	µg/l	11.4	8.02	4.16
Zinc (Dissolved)	CE265	U	3	µg/l	77.0	83.0	98.6
<b>Colourimetric</b>							
Total Nitrogen	CE257	N	0.3	mg/l	22.0	217	8.87
Ammoniacal Nitrogen as NH4	CE258	U	0.04	mg/l	25.0	279	11.4
Chloride	CE257	U	0.4	mg/l	351	1160	59.4
Nitrite as N	CE257	U	0.0005	mg/l	< 0.0005	< 0.0005	< 0.0005
Nitrate as NO3	CE257	U	0.6	mg/l	11.3	< 0.60	< 0.60
Nitrate as N	CE257	U	0.5	mg/l	2.60	< 0.50	< 0.50



# WATER

Lab Number					20408	20409	20410
Client Reference					1	1	1
Sample ID					Lagoon Leachate	Tank Leachate	Sweepings
Sampling Date					28/10/2024	28/10/2024	28/10/2024
Nitrite as NO <sub>2</sub>	CE257	U	0.002	mg/l	< 0.002	< 0.002	< 0.002
Phosphate	CE257	U	0.08	mg/l	10.7	34.3	5.80
Sulphate	CE257	U	0.3	mg/l	61.4	< 0.30	< 0.30
Chemical Oxygen Demand	CE037	U	10	mg/l	888	2000	2880
<b>Combustion</b>							
Total Organic Carbon	CE247	N	5	mg/l	220	730	200
Suspended Solids	CE038	U	2	mg/l	160	990	1200
<b>Polyaromatic hydrocarbons</b>							
Naphthalene	CE087	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Acenaphthylene	CE087	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Acenaphthene	CE087	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Fluorene	CE087	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Phenanthrene	CE087	N	0.1	µg/l	< 0.10	< 0.10	0.84
Anthracene	CE087	N	0.1	µg/l	< 0.10	< 0.10	0.36
Fluoranthene	CE087	N	0.1	µg/l	< 0.10	< 0.10	3.62
Pyrene	CE087	N	0.1	µg/l	< 0.10	< 0.10	3.90
Benzo(a)anthracene	CE087	N	0.1	µg/l	< 0.10	< 0.10	2.66
Chrysene	CE087	N	0.1	µg/l	< 0.10	< 0.10	2.40
Benzo(b)fluoranthene	CE087	N	0.1	µg/l	< 0.10	< 0.10	4.26
Benzo(k)fluoranthene	CE087	N	0.1	µg/l	< 0.10	< 0.10	1.96
Benzo(a)pyrene	CE087	N	0.1	µg/l	< 0.10	< 0.10	3.40
Indeno(1,2,3-cd)pyrene	CE087	N	0.1	µg/l	< 0.10	< 0.10	3.60
Dibenzo(a,h)anthracene	CE087	N	0.1	µg/l	< 0.10	< 0.10	0.82
Benzo(g,h,i)perylene	CE087	N	0.1	µg/l	< 0.10	< 0.10	3.66
Total PAH(16)	CE087	N	1.6	µg/l	< 1.60	< 1.60	31.5
<b>Total Petroleum Hydrocarbons</b>							
>C10-C12 Water (EH_1D_Total)	CE052	N	1	µg/l	< 1.0	662	104
>C12-C16 Water (EH_1D_Total)	CE052	N	1	µg/l	135	888	552
>C16-C21 Water (EH_1D_Total)	CE052	N	1	µg/l	319	4640	3710
>C21-C35 Water (EH_1D_Total)	CE052	N	1	µg/l	445	5590	13500
>C35-C40 Water (EH_1D_Total)	CE052	N	1	µg/l	60.0	1190	4190
>C5-C6 Total (HS_1D_Total)	CE266	N	1	µg/l	< 1.00	9.84	20.3
>C6-C8 Total (HS_1D_Total)	CE266	N	1	µg/l	< 1.00	1.78	< 1.00



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Client Reference					1	1	1
Sample ID					Lagoon Leachate	Tank Leachate	Sweepings
Sampling Date					28/10/2024	28/10/2024	28/10/2024
>C8-C10 Total (HS_1D_Total)	CE266	N	1	µg/l	< 1.00	2.05	4.89
<b>Wet Chem</b>							
pH	CE213	U	0.1	pH units	7.4	7.9	6.2
Biochemical Oxygen Demand (5 day)	CE036	N	1	mg/l	8.0	< 1.0	83



## WATER VOCS

Lab Number					20408	20409	20410
Client Reference					1	1	1
Sample ID					Lagoon Leachate	Tank Leachate	Sweepings
Sampling Date					28/10/2024	28/10/2024	28/10/2024
Test	Method	Accred	LoD	Units			
<b>VOC</b>							
Benzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Toluene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Ethylbenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
m,p-Xylene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,1,1,2-Tetrachloroethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,2-Dibromo-3-Chloropropane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
4-Isopropyltoluene_(p-Cymene)	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Bromomethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Chloroethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Chloromethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Cis-1,2-Dichloroethene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
cis-1,3-Dichloro-1-Propene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Dichlorodifluoromethane_(CFC-12)	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Dichloromethane	CE066	N	1	µg/l	< 1.00	13000	< 1.00
Isopropylbenzene_(Cumene)	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
MTBE	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
sec-Butylbenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
trans-1,3-Dichloro-1-Propene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Trichlorofluoromethane_(CFC-11)	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Vinyl chloride	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,1-Dichloroethene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
o-xylene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,2,3-Trichloropropane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,1-Dichloroethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Chloroform	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Tetrachloromethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,1,1-Trichloroethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Trichloroethylene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Tetrachloroethylene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00



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Client Reference					1	1	1
Sample ID					Lagoon Leachate	Tank Leachate	Sweepings
Sampling Date					28/10/2024	28/10/2024	28/10/2024
Chlorobenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Bromobenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Bromodichloromethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,1-Dichloro-1-propene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Trans - 1-2 -dichloroethylene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
2,2-Dichloropropane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Bromochloromethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,2-Dichloroethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Dibromomethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,2-Dichloropropane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,1,2-Trichloroethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Dibromochloromethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,3-Dichloropropane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,2-dibromoethane	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Styrene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Propylbenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
2-Chlorotoluene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,2,4-Trimethylbenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
4-Chlorotoluene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
t-butylbenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,3,5-Trimethylbenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,3-Dichlorobenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Butylbenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Hexachlorobutadiene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1-2-3 - Trichlorobenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Naphthalene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1-2-4 - Trichlorobenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,4-Dichlorobenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
1,2-Dichlorobenzene	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
Bromoform	CE066	N	1	µg/l	< 1.00	< 1.00	< 1.00
VOC TIC Water	CE066	N	0	trile 0.58; Dimethyl sulf	Carbonyl sulfide 1.33; Acetone 0.46	.66; Methanethiol 1.25; Borane-m	



## WATER SVOCS

Lab Number					20408	20409	20410
Client Reference					1	1	1
Sample ID					Lagoon Leachate	Tank Leachate	Sweepings
Sampling Date					28/10/2024	28/10/2024	28/10/2024
Test	Method	Accred	LoD	Units			
<b>SVOC</b>							
Phenol	CE065	N	0.1	µg/l	< 0.10	24.2	19.6
Bis(2-chloroethyl)ether	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2-Chlorophenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
1-3-Dichlorobenzene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
1-4-Dichlorobenzene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
1-2-Dichlorobenzene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2-Methylphenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	19.1
Bis(2-chloroisopropyl)ether	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
3 and 4-methylphenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
N-Nitrosodi-n-propylamine	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Hexachloroethane	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Nitrobenzene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Isophorone	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2- Nitrophenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2-4-Dimethylphenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Bis(2-chloroethoxy)methane	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2-4-Dichlorophenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
4-Chloroaniline	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Hexachloro- 1-3-butadiene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
4-Chloro-3-methylphenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2-Methylnaphthalene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
1-Methylnaphthalene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Hexachlorocyclopentadiene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2.4.6-Trichlorophenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2.4.5-Trichlorophenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2-Nitroaniline	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Dimethyl phthalate	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2-6-dinitrotoluene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
3-Nitroaniline	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
4-nitrophenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10



## WATER SVOCs

Lab Number					20408	20409	20410
Client Reference					1	1	1
Sample ID					Lagoon Leachate	Tank Leachate	Sweepings
Sampling Date					28/10/2024	28/10/2024	28/10/2024
Dibenzofuran	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Diethyl phthalate	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
4-Nitroaniline	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2-Methyl-4,6-dinitrophenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Azobenzene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Hexachlorobenzene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Pentachlorophenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Carbazole	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Di-n-butyl phthalate	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Butyl benzyl phthalate	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2,4-Dinitrophenol	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
2,4-Dinitrotoluene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
N-Nitrosodimethylamine	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Naphthalene, 2-chloro-	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
1,2,4-Trichlorobenzene	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
4-Chlorophenylphenylether	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
4-Bromophenylphenylether	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Di-n-octyl phthalate	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
Bis(2-ethylhexyl)phthalate	CE065	N	0.1	µg/l	< 0.10	< 0.10	< 0.10
SVOC TIC Water	CE065	N	0		N/D	N/D	N/D

## METHOD DETAILS

METHOD	TESTNAME	METHOD SUMMARY	ANALYSIS BASIS
CE052	EPH in Water	DCM Extraction and GCFID	-
CE036	BOD	5 Day BOD	-
CE247	Dissolved organic carbon	FORMACS TOC Analyser	-
CE066	VOC in waters	HS-GCMS	-
CE065	SVOC in waters	DCM Extraction and GCMS	-
CE265	Dissolved metals by ICP in Water	ICPMS	-
CE258	Ammonia by Discrete Analyser in Water	Gallery	-
CE257	Anions by Discrete Analyser in Water	Gallery	-
CE266	VPH in Water	HS-GCFID	-
CE087	PAH in Water	DCM Extraction and GCMS	-
CE037	COD (Chemical Oxygen Demand in Water)	HACH Colorimetry	-
CE038	Suspended Solids in waters	Gravimetric	-

## REPORT INFORMATION

Report No.:24-03533, issue number 3

### Key

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U	ISO17025 Accredited Result
M	ISO17025 and MCERTS Accredited Result
N	Do not currently hold accreditation
^	MCERTS accreditation not applicable for sample matrix
*	ISO17025 accreditation not applicable for sample matrix
S	Subcontracted
I/S	Insufficient Sample
U/S	Unsuitable sample
N/T	Not tested
<	Means "less than"
>	Means "greater than"

LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.

This report shall not be reproduced except in full, without prior written approval.

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

All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.

The results relate only to the sample received.

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Moisture Content Calculated on a Wet Weight basis

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

Sampling was undertaken by Chemtech Environmental Limited and is outside the UKAS accreditation scope.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory.

BTEX compounds are identified by retention time only and may include interference from co-eluting compounds.

For soils and solids, all results are reported on a dry basis. Samples dried at no more than 30°C in a drying

For soils and solids, analytical results are inclusive of stones, where applicable.

### Sample Retention and Disposal

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All soil samples will be retained for a period of 4 weeks from the point of receipt

All water samples will be retained for a period of 2 weeks from the point of Reporting

Charges may apply to extended sample storage

### TPH Classification - HWOL Acronym System

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HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
2D	GC-GC - Double coil gas chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_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
MS	Mass Spectrometry