



Environmental
Chemistry

Certificate of Analysis

Client: Alpha Construction

Project: 22092199

Quote: BEC220926855 V1.2

Project Ref: Alpha Construction

Site: Denby SCJ

Contact: Hassan Habib

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No. Samples Received: 2

Date Received: 30/09/2022

Analysis Date: 12/10/2022

Date Issued: 12/10/2022

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

Reported by



Client: Alpha Construction
Project Name: Alpha Construction-Denby SCJ
Project No: 22092199
Date Issued: 12/10/2022

Samples Analysed

<u>Text ID</u>	<u>Sample Reference</u>	<u>Sampling Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
22092199-001	01	28/09/2022 11:00:00	SOLID	Soil Sample
22092199-002	02 Sump	09/09/2022 10:00:00	SOLID	Soil Sample

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID		Sample ID	
					001		002	
					01		02 Sump	
					LPL	SOLID	LPL	SOLID
					28/09/2022	28/09/2022	09/09/2022	09/09/2022
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg [^]	N	<0.01		<0.01	
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg [^]	N	<0.01		0.03	
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg [^]	N	<0.1		0.2	
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg [^]	N	<0.0002		0.0002	
Chloride as Cl	KONENS	10	mg/kg [^]	N	<10		<10	
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg [^]	N	<0.01		0.02	
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg [^]	N	<0.01		0.02	
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg [^]	N	<0.01		<0.01	
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg [^]	N	<0.0003		0.0004	
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg [^]	N	0.02		<0.01	
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg [^]	N	<0.01		<0.01	
Phenol Index	SFAPI	0.5	mg/kg [^]	N	1.1		<0.5	
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg [^]	N	<0.01		<0.01	
Total Sulphur as SO4	ICPWATVAR (Dissolved)	30	mg/kg [^]	N	<30		<30	
TDS as mg/kg	PHCONDW	700	mg/kg [^]	N	<700		<700	
Leached Organic Carbon	WSLM13	2	mg/kg [^]	N	19.1		20.9	
Fluoride as F	ISEF	1	mg/kg [^]	N	11		<1	
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg [^]	N	0.03		0.12	
Conductivity at 25°C	PHCONDW	100	µS/cm	U	101		<100	



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Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001		002	
					Customer ID	01		02 Sump	
					Sample Type	LPL	SOLID	LPL	SOLID
					Sampling Date	28/09/2022	28/09/2022	09/09/2022	09/09/2022
pH	PHCONDW	1	pH units	U		8.0		8.0	
TDS as mg/l	PHCONDW	70	mg/l	N		<70		<70	
ANC	ANC	0.04	mol/kg ^Λ	N			4.72		3.60
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM			8.7		9.0
Chloride as Cl	KONENS	1	mg/l	U		<1		<1	
Phenol Index	SFAPI	0.05	mg/l	U		0.11		<0.05	
Fluoride as F	ISEF	0.1	mg/l	U		1.1		<0.1	
Total Organic Carbon	WSLM59	0.02	% m/m ^Λ	U			1.36		0.32
LOI @ 450°C	LOI(%MM)	0.2	% m/m ^Λ	N			3.7		1.1
Leached Organic Carbon	TOCW	0.4	mg/l	U		1.92		2.09	
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001		<0.001	
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001		0.003	
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U		<0.00002		0.00002	
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001		0.002	
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U		0.001		0.002	
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001		<0.001	
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U		<0.00003		0.00004	
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U		0.002		<0.001	
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001		<0.001	



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					001		002	
					01		02 Sump	
					LPL	SOLID	LPL	SOLID
					28/09/2022	28/09/2022	09/09/2022	09/09/2022
Customer ID	Sample Type	Sampling Date	Sampling Date	Sampling Date	Sampling Date	Sampling Date	Sampling Date	
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001		<0.001	
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U	0.003		0.012	
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U	<0.01		0.02	
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U	3		<3	
Benzene HS_1D_AR	BTEXHSA	0.01	mg/kg [^]	UM		<0.012* _B		<0.010* _B
Ethylbenzene HS_1D_AR	BTEXHSA	0.01	mg/kg [^]	UM		<0.012		<0.010
m/p-Xylene HS_1D_AR	BTEXHSA	0.02	mg/kg [^]	UM		<0.023		<0.021
o-Xylene HS_1D_AR	BTEXHSA	0.01	mg/kg [^]	UM		<0.012		<0.010
Toluene HS_1D_AR	BTEXHSA	0.01	mg/kg [^]	UM		<0.012		<0.010
Total BTEX HS_1D_AR	BTEXHSA	0.06	mg/kg [^]	UM		<0.069		<0.062
Acenaphthene	PAHMSUS	0.08	mg/kg [^]	UM		<0.09		<0.08
Acenaphthylene	PAHMSUS	0.08	mg/kg [^]	U		<0.09		<0.08
Anthracene	PAHMSUS	0.08	mg/kg [^]	U		<0.09		<0.08
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg [^]	UM		0.16		<0.08
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg [^]	UM		0.19		0.09
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg [^]	UM		0.18		0.09
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg [^]	UM		0.10		<0.08
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg [^]	UM		0.11		<0.08
Chrysene	PAHMSUS	0.08	mg/kg [^]	UM		0.19		<0.08



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					Customer ID	01		02 Sump	
					Sample Type	LPL	SOLID	LPL	SOLID
					Sampling Date	28/09/2022	28/09/2022	09/09/2022	09/09/2022
Coronene	PAHMSUS	0.08	mg/kg [^]	N		<0.09		<0.08	
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg [^]	UM		<0.09		<0.08	
Fluoranthene	PAHMSUS	0.08	mg/kg [^]	UM		0.14		<0.08	
Fluorene	PAHMSUS	0.08	mg/kg [^]	UM		<0.09		<0.08	
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg [^]	UM		0.11		<0.08	
Naphthalene	PAHMSUS	0.08	mg/kg [^]	UM		<0.09		<0.08	
Phenanthrene	PAHMSUS	0.08	mg/kg [^]	UM		0.11		<0.08	
Pyrene	PAHMSUS	0.08	mg/kg [^]	UM		0.13		<0.08	
Total PAH 16	PAHMSUS	1.28	mg/kg [^]	U		1.97		1.34	
Total PAH 17	PAHMSUS	1.36	mg/kg [^]	N		2.06		1.42	
PCB 101	PCBECD	0.005	mg/kg [^]	UM		<0.006		<0.005	
PCB 118	PCBECD	0.005	mg/kg [^]	UM		<0.006		<0.005	
PCB 138	PCBECD	0.005	mg/kg [^]	UM		<0.006		<0.005	
PCB 153	PCBECD	0.005	mg/kg [^]	UM		<0.006		<0.005	
PCB 180	PCBECD	0.005	mg/kg [^]	UM		<0.006		<0.005	
PCB 28	PCBECD	0.005	mg/kg [^]	UM		<0.006		<0.005	
PCB 52	PCBECD	0.005	mg/kg [^]	UM		<0.006		<0.005	
Total PCB 7 Congeners	PCBECD	0.035	mg/kg [^]	UM		<0.040		<0.036	
>C10-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg [^]	U		27.0		107	



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Analysis	Method Code	MDL	Units	Accred.	Sample ID	001		002	
					Customer ID	01		02 Sump	
					Sample Type	LPL	SOLID	LPL	SOLID
					Sampling Date	28/09/2022	28/09/2022	09/09/2022	09/09/2022
Total TPH >C8-C40 (Aliphatic) EH_CU_1D_AL	TPHFIDUS (Aliphatic)	20	mg/kg^	UM		27.8		108	
Total Moisture at 35°C	CLANDPREP	0.1	%	N		12.9		3.5	
Description of Solid Material	CLANDPREP		-	N		CLAY		SAND	
Equivalent Weight of Dry Material (kg)	Leachate Prep CEN 10:1		kg	N		0.090		0.090	
Fraction above 4mm (%)	Leachate Prep CEN 10:1		%	N		0		0	
Fraction of non-crushable material (%)	Leachate Prep CEN 10:1		%	N		0		0	
Volume of Water for 10:1 Leach (ltr)	Leachate Prep CEN 10:1		l	N		0.880		0.896	
Weight of Sample Leached (kg)	Leachate Prep CEN 10:1		kg	N		0.110		0.094	
WAC Report	WAC		-	N		See Attached		See Attached	

WASTE ACCEPTANCE CRITERIA TESTING
BSEN 12457/2

Client	Alpha Construction	
Site	Denby SCJ	
Project	22092199	
Sample No	Sample Description	Issue Date
22092199-001	01	12/10/2022

Leaching Data	
Weight of Sample (kg)	0.110
Moisture content @ 105°C (% Wet Weight)	18.1
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (litres)	0.880
Fraction of sample above 4mm %	0
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	1.36	3	5	6
N	LOI450	Loss on Ignition (%)	3.7			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.069	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.040	1		
U	TPHFIDUS	>C10-C40 Aliphatic (mg/kg) EH_1D_AL	27.0	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	2.06	100		
UM	PHSOIL	pH (pH Units)	8.7		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	4.72		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
			mg/l except **	mg/kg (dry wt)	Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM3**	pH (pH Units)	8.0				
U	WSLM2**	Conductivity (µS/cm)	101				
U	ICPMSW	Arsenic	<0.001	<0.01	0.5	2	25
U	ICPWATVAR	Barium	<0.01	<0.1	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	<0.001	<0.01	0.5	10	70
U	ICPMSW	Copper	0.001	<0.01	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.002	0.02	0.5	10	30
U	ICPMSW	Nickel	<0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	<0.001	<0.01	0.06	0.7	5
U	ICPMSW	Selenium	<0.001	<0.01	0.1	0.5	7
U	ICPMSW	Zinc	0.003	0.03	4	50	200
U	KONENS	Chloride	<1	<10	800	15000	25000
U	ISEF	Fluoride	1.1	11	10	150	500
U	ICPWATVAR	Sulphate as SO4	3	<30	1000	20000	50000
N	WSLM27	Total Dissolved Solids	<70	<700	4000	60000	100000
U	SFAPI	Phenol Index	0.11	1.1	1		
U	WSLM13	Dissolved Organic Carbon	1.92	19.1	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.

Calculated data is not UKAS accredited

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSEN 12457/2

Client	Alpha Construction	
Site	Denby SCJ	
Project	22092199	
Sample No	Sample Description	Issue Date
22092199-002	02 Sump	12/10/2022

Leaching Data	
Weight of Sample (kg)	0.094
Moisture content @ 105°C (% Wet Weight)	4.6
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (litres)	0.896
Fraction of sample above 4mm %	0
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	0.32	3	5	6
N	LOI450	Loss on Ignition (%)	1.1			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.062	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.036	1		
U	TPHFIDUS	>C10-C40 Aliphatic (mg/kg) EH_1D_AL	107	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	1.42	100		
UM	PHSOIL	pH (pH Units)	9.0		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	3.60		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
			mg/l except **	mg/kg (dry wt)	Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM3**	pH (pH Units)	8.0				
U	WSLM2**	Conductivity (µS/cm)	<100				
U	ICPMSW	Arsenic	0.003	0.03	0.5	2	25
U	ICPWATVAR	Barium	0.02	0.2	20	100	300
U	ICPMSW	Cadmium	0.00002	0.0002	0.04	1	5
U	ICPMSW	Chromium	0.002	0.02	0.5	10	70
U	ICPMSW	Copper	0.002	0.02	2	50	100
U	ICPMSW	Mercury	0.00004	0.0004	0.01	0.2	2
U	ICPMSW	Molybdenum	<0.001	<0.01	0.5	10	30
U	ICPMSW	Nickel	<0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	<0.001	<0.01	0.06	0.7	5
U	ICPMSW	Selenium	<0.001	<0.01	0.1	0.5	7
U	ICPMSW	Zinc	0.012	0.12	4	50	200
U	KONENS	Chloride	<1	<10	800	15000	25000
U	ISEF	Fluoride	<0.1	<1	10	150	500
U	ICPWATVAR	Sulphate as SO4	<3	<30	1000	20000	50000
N	WSLM27	Total Dissolved Solids	<70	<700	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	2.09	20.9	500	800	1000

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Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.



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 Date Issued: 12/10/2022

Deviating Sample Report

<u>Sample Reference</u>	<u>Text ID</u>	<u>Method Code</u>	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
02 Sump	22092199-002	BTEXHSA						✓
02 Sump	22092199-002	PAHMSUS						✓
02 Sump	22092199-002	PHSOIL						✓
02 Sump	22092199-002	TPHFIDUS (Aliphatic)						✓
02 Sump	22092199-002	WSLM59						✓



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Analysis Method

<u>Method Code</u>	<u>Method Description</u>	<u>Analysis Method</u>
ANC	ANC: Acid Neutralisation Capacity (mol/kg)	Air Dried & Ground
BTEXHSA	BTEX for WAC by GCFID	As Received
CLANDPREP	Basic Solid Description	As Received
CLANDPREP	DW35 - CLand Prep and Dry Weight Correction to 35°C	As Received
ICPMSW (Dissolved)	Antimony (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Antimony in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Arsenic (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Arsenic in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Cadmium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Cadmium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Chromium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Chromium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Copper (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Copper in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Lead (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Lead in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Mercury (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Mercury in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Molybdenum (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Molybdenum in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Nickel (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Nickel in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Selenium (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Selenium in Solids (BSEN 12457-2)	Filtered
ICPMSW (Dissolved)	Zinc (Diss.) in Lab Leachate by ICPMS	Filtered
ICPMSW (Dissolved)	Zinc in Solids (BSEN 12457-2)	Filtered
ICPWATVAR (Dissolved)	Barium (Diss.) in Lab Leachate by ICPOES	Filtered
ICPWATVAR (Dissolved)	Barium in Solids (BSEN 12457-2)	Filtered
ICPWATVAR (Dissolved)	Total Sulphur as SO4 (Diss.) in Lab Leachate	Filtered
ICPWATVAR (Dissolved)	Total Sulphur as SO4 in Solids (BSEN 12457-2)	Filtered
ISEF	Fluoride by ISE	Filtered
ISEF	Fluoride in Solids (BSEN 12457-2)	Filtered
KONENS	Chloride by Colorimetry	Filtered
KONENS	Chloride in Solids (BSEN 12457-2)	Filtered
Leachate Prep CEN 10:1	WAC Leachate Prep, 1-Stage 10:1 (BSEN 12457-2)	As Received
LOI(%MM)	LOI: Loss on Ignition @ 450°C	Air Dried & Ground
PAHMSUS	17 PAHs (inc. Coronene) for WAC by GCMS	As Received
PCBECD	PCBs, ICES 7 Congeners inc. Total Calculation	As Received
PHCONDW	Electrical Conductivity @ 25°C	Filtered
PHCONDW	pH	Filtered
PHCONDW	TDS: Total Dissolved Solids (Calc)	Filtered
PHCONDW	Total Dissolved Solids in Solids (BSEN 12457-2)	Filtered
PHSOIL	pH (2.5:1)	As Received
SFAPI	Phenol Index (Total) by SFA	Filtered
SFAPI	Phenol Index in Solids (BSEN 12457-2)	Filtered
TOCW	LOC: Leached Organic Carbon	Filtered
TPHFIDUS (Aliphatic)	TPH (>C8-C40) Aliphatic and Carbon Band (>C10-C40)	As Received
WAC	WAC Report	
WSLM13	Leached Organic Carbon in Solids (BSEN 12457-2)	Filtered
WSLM59	TOC: Total Organic Carbon	Air Dried & Ground



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Result Report Notes

Letters alongside results signify that the result has associated report notes.
The report notes are as follows:

<u>Letter</u>	<u>Note</u>
A	Due to the matrix of the sample the laboratory has had to deviate from our standard protocols to be able to process the sample and provide a result. Where applicable the accreditation has been removed and this should be taken into consideration when utilising the data.
B	The QC associated with this result has not wholly met the QMS requirements, the accreditation has therefore been removed. However, the Laboratory has confidence in the performance of the method as a whole and that the integrity of the data has not been significantly compromised.
C	Due to matrix interference, the internal standard and/or surrogate has not met the QMS requirements. This should be taken into consideration when utilising the data.
D	A non-standard volume or mass has been used for this test which has resulted in a raised detection limit.
E	Due to the parameter value being beyond our calibration range (and following the maximum size of dilution allowed, where applicable), the result cannot be quantified and as such the result will appear as a greater than symbol (>) with the accreditation removed. This data should be used for indicative purposes only.
F	Based on the sample history, appearance and smell a dilution was applied prior to testing . Unfortunately, the result is either above (>) or below (<) our calibration range. Results above our calibration range have accreditation removed. The data should be used for indicative purposes only.
G	The day 5 oxygen reading was below the capability of the instrument to detect, and therefore the calculated BOD has been reported unaccredited for guidance purposes only.

HWOL Acronym Key

<u>Acronym</u>	<u>Description</u>
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e everything extracted by the solvent(s)
CU	Clean up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
+	Operator to indicate cumulative e.g. EH_CU+HS_1D_Total



Client: Alpha Construction
Project Name: Alpha Construction-Denby SCJ
Project No: 22092199
Date Issued: 12/10/2022

Additional Information

This report refers to samples as received. SOCOTEC UK Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

The accreditation codes are as follows:

- U = UKAS accredited analysis
- M = MCERT accredited analysis
- N = Unaccredited analysis

Any units marked with ^ signify results are reported on a dry weight basis of 35° c.

All Air Dried and Ground Samples (ADG) are oven dried at less than 35° c.

This report shall not be reproduced except in full, without written approval of the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any samples marked with * are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following (Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with ‡ have had MCERTS accreditation removed for this result

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

- IS = Insufficient Sample to complete analysis
- NA = Sample is not amenable for the required analysis
- ND = Results cannot be determined

Items listed with a 'SUB' method code prefix have been carried out by an external subcontracted laboratory.

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the subcontracted lab for information regarding any deviancies for this analysis.

Summaries of analysis methods are available upon request.

End of Certificate of Analysis