BH/TP/	Sample	Depth	Depth	Moisture	Bulk	Dry	Shear	Liquid	Plastic	Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Туре		To	Content			Strength	Limit	Limit	Index	0.425mm	Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number	71	(m)	(m)		(Mg/m^3)		(kN/m²)	(%)	(%)	(%)	(%)		test (Y/N)	
1 (61110-01		(111)	(111)	(/0)	(1.18/111/	(1128/1117)	(111 ", 111)	(/0)	(/0)	(,0)	(,,,)			
WS04	D	2.50	2.50	15	-	-	-	31	16	15	91	CL		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2,4.4,5)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 28.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

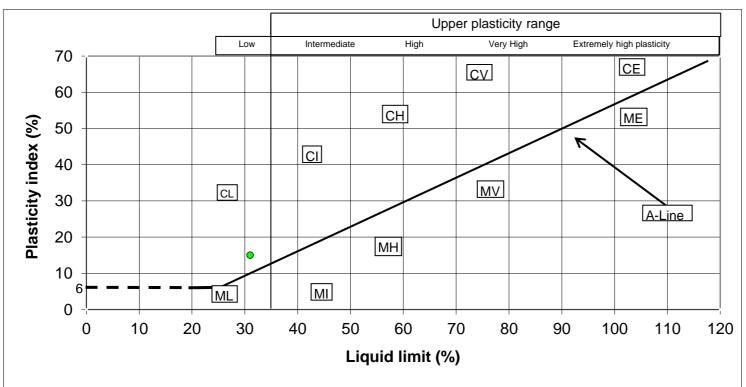
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity		
	Depth	limit	index		
WS04	2.50	31.0	15.0		



APPROVED BY	DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

				Moisture	Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content			Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS05	В	1.20	1.20	15	-	-	-	-	-	-	-	-	Y	Brown very silty clayey slightly gravelly SAND. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2,9.2,9.5)
WS05	D	2.00	2.00	17	-	-	1	33	16	17	95	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21



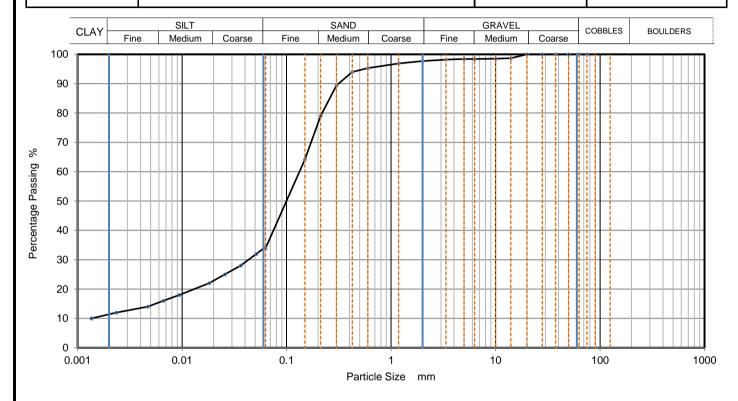


Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)

CC Geotechnic	フ cal Ltd	PAF	RTICLE SIZE	DISTRIBUTION	Job Ref	CCG-C-21-12093
Tel: 0151 545 e: lab@ccgeotech					Borehole/Pit No.	WS05
Site Name	COTTAM	PARKWAY	/ STATION		Sample No.	1
Specimen Description	Brown very s	ilty clayey sligh	ntly gravelly SAND		Depth, m	1.20
Specimen Reference			Specimen Depth	m	Sample Type	В
Test Method	BS1377:Pa	art 2:1990, cl	5	KeyLAB ID	CCGL202104290	



Sie	ving	Sedimentation				
	villy		I			
Particle Size	% Passing	Particle Size	% Passing			
mm	, , , , , , , , , , , , , , , , , , , ,	mm	70 1 0.009			
		0.0612	34			
		0.0514	32			
75	100	0.0364	28			
63	100	0.0257	25			
50	100	0.0182	22			
37.5	100	0.0094	18			
28	100	0.0066	16			
20	100	0.0047	14			
14	99	0.0023	12			
10	99	0.0014	10			
6.3	98					
5	98					
3.35	98					
2	98					
1.18	97					
0.6	95	Particle density	(assumed)			
0.425	94	2.65	Mg/m3			
0.3	89					
0.212	79					
0.15	64					
0.063	34					

Dry Mass of sample, g

Sample Proportions	% dry mass				
Very coarse	0				
Gravel	2				
Sand	64				
Silt	22				
Clay	12				

Grading Analysis		
D100	mm	
D60	mm	0.133
D30	mm	0.0429
D10	mm	
Uniformity Coefficient		
Curvature Coefficient	·	

Remarks

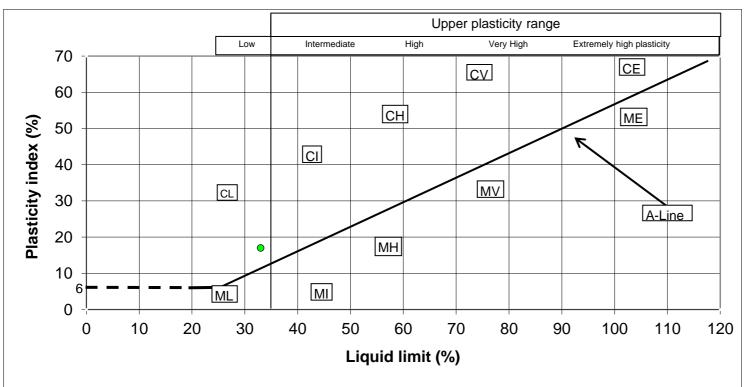
Preparation and testing in accordance with BS1377 unless noted below

	Operator	Checked	Approved	Sheet printed	Fig	1
JE		DK	DK	29/04/2021 12:26	Sheet	



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity		
	Depth	limit	index		
WS05	2.00	33.0	17.0		



APPROVED BY	DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

				Moisture	Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	To	Content			Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS06	D	1.50	1.50	14	-	-	-	31	16	15	89	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)
WS06	D	3.50	3.50	15	-	-	-	33	16	17	93	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

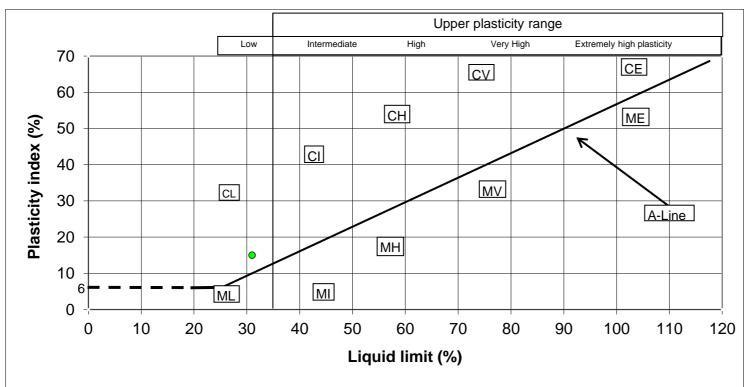
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



ВН	Sample	Liquid	Plasticity
	Depth	limit	index
WS06	1.50	31.0	15.0



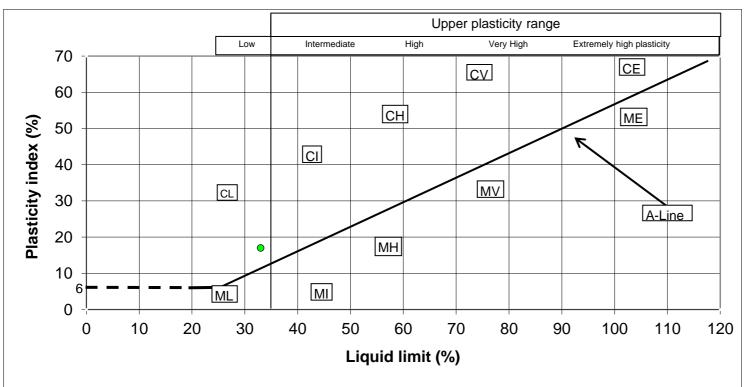
APPROVED BY	DK
APPROVED BY	DI

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity
	Depth	limit	index
WS06	3.50	33.0	17.0



APPROVED BY DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

				Moisture	Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content		Density	Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS07	D	1.50	1.50	14	-	-	-	30	16	14	94	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)
WS07	D	2.50	2.50	15	-	-	-	-	-	-	-	-	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

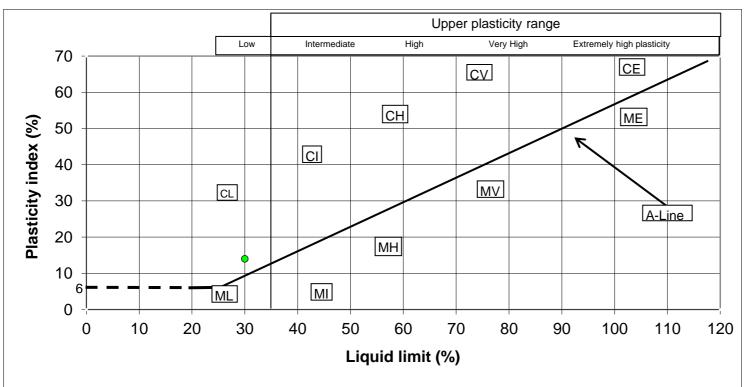
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



ВН	Sample	Liquid	Plasticity
	Depth	limit	index
WS07	1.50	30.0	14.0



APPROVED BY	DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

BH / TP /					Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content		•	Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS08	D	1.50	1.50	15	-	-	-	-	-	-	-	-	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2)
WS08	D	2.50	2.50	15	-	-	-	30	15	15	93	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

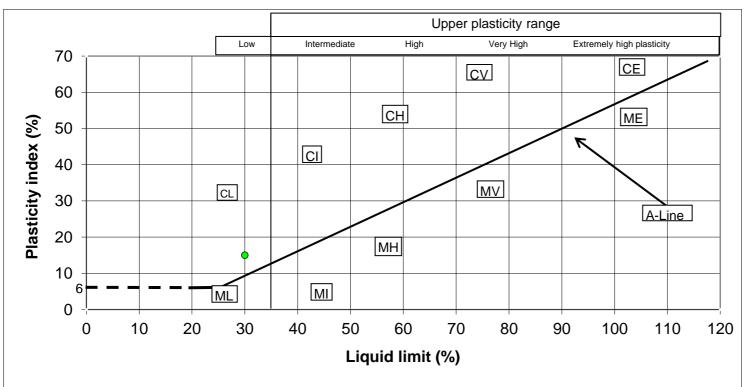
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



ВН	Sample	Liquid	Plasticity
	Depth	limit	index
WS08	2.50	30.0	15.0



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CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

BH/TP/	Sample	Depth	Depth	Moisture	Bulk	Dry	Shear	Liquid	Plastic	Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Туре		To	Content			Strength		Limit	Index	0.425mm	Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number	Jr ·	(m)	(m)		(Mg/m^3)		(kN/m²)	(%)	(%)	(%)	(%)		test (Y/N)	
1 (41110-01		(111)	(111)	(/0)	(1.18/111/	(1128/1117)	(111 (/ 111)	(/0)	(/0)	(/0)	(,0)			
WS09	WS	1.50	1.50	15	-	-	-	-	-	-	-	-		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2)
WS09	WS	3.50	3.50	17	-	-	-	34	17	17	97	CL		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2,4.4,5)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21

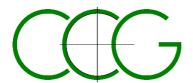




Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

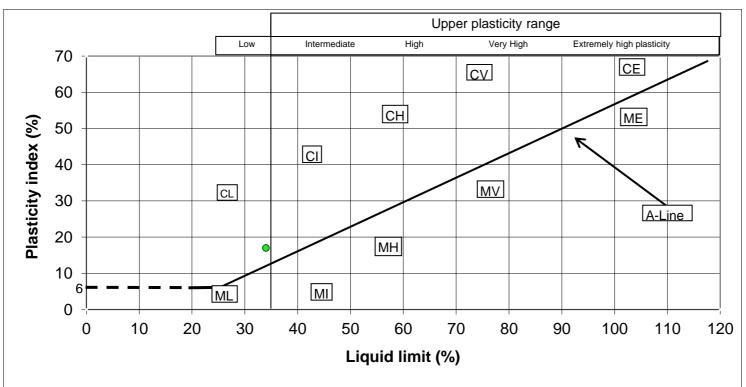
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



ВН	Sample	Liquid	Plasticity
	Depth	limit	index
WS09	3.50	34.0	17.0



APPROVED BY	DK
APPROVED BY	DI

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

BH/TP/	Sample	Depth	Depth	Moisture	Bulk	Dry	Shear	Liquid	Plastic	Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	To	Content	Density	Density	Strength	Limit	Limit	Index	0.425mm	Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS10	D	1.50	1.50	17	-	-	-	34	16	18	96	CL		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2,4.4,5)
														inedium suorounded sandstone. (BS1577Pt2:3.2,4.4,3)
TVC10	ъ	2.50	2.50	177									37	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to
WS10	D	2.50	2.50	17	-	-	-	-	-	-	-	-		medium subrounded sandstone. (BS1377Pt2:3.2)
														median succession (2010) / 1 (2002)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

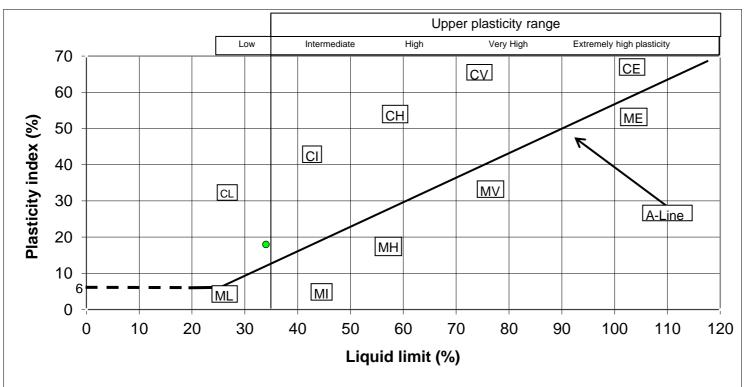
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



ВН	Sample	Liquid	Plasticity		
	Depth	limit	index		
WS10	1.50	34.0	18.0		



APPROVED BY DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

	_	_	_	Moisture	Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content	•	Density	Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS11	D	1.50	1.50	14	-	-	-	34	17	17	94	CL		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)
WS11	D	2.50	2.50	16	-	-	-	-	-	-	-	-		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2)
WS11	D	3.50	3.50	24	-	-	-	-	-	-	-	-	Y	Brown slightly sandy silty CLAY. (BS1377Pt2:3.2)
WS11	D	4.50	4.50	30	-	-	-	45	20	25	100	CI	Y	Brown slightly sandy silty CLAY. (BS1377Pt2:3.2,4.4,5)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21

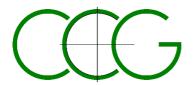




Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

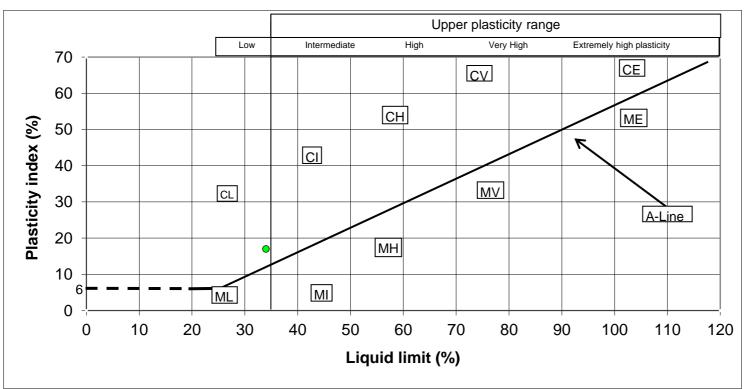
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.

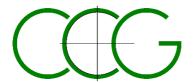


ВН	Sample	Liquid	Plasticity		
	Depth	limit	index		
WS11	1.50	34.0	17.0		



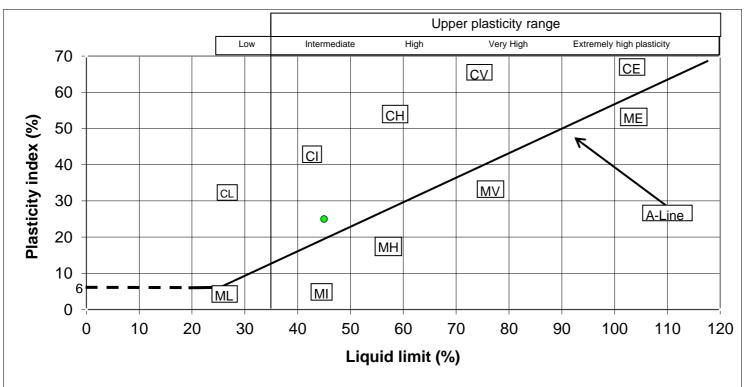
APPROVED BY	DK
APPROVED BY	DI

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



l.				
	BH	Sample	Liquid	Plasticity
		Depth	limit	index
	WS11	4.50	45.0	25.0



APPROVED BY	DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

	Sample	Depth	Depth	Moisture	Bulk	Dry	Shear		Plastic	Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content		Density	Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS12	D	1.50	1.50	16	-	-	-	-	-	-	-	-		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2)
WS12	D	3.00	3.00	18	-	-	-	36	17	19	97	CI		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2,4.4,5)
WS12	D	4.50	4.50	16	-	-	-	-	-	-	-	-		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2)
WS12	D	5.50	5.50	31	-	-	-	49	21	28	100	CI	Y	Brown slightly sandy silty CLAY. (BS1377Pt2:3.2,4.4,5)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21

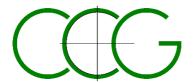




Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

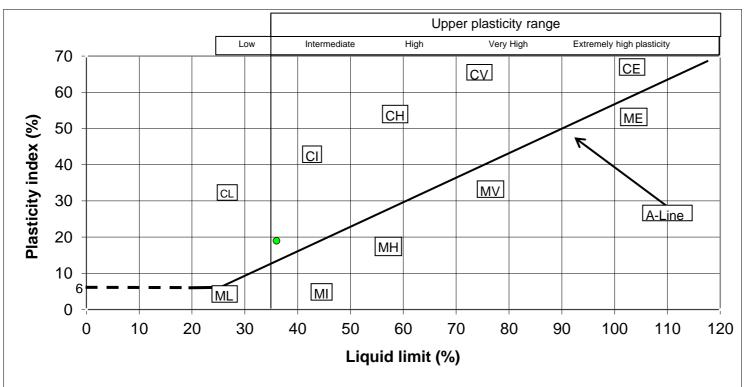
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity		
	Depth	limit	index		
WS12	3.00	36.0	19.0		



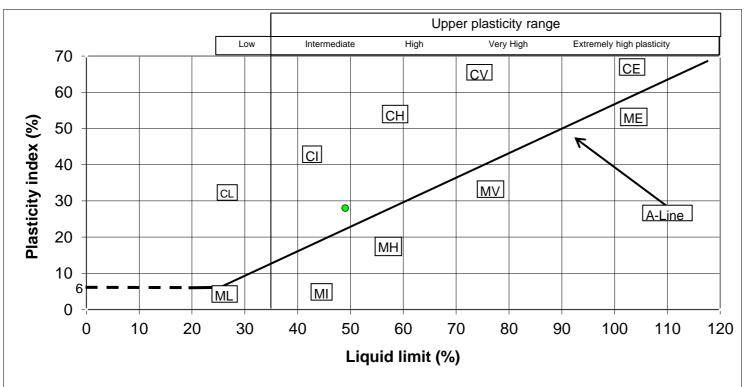
APPROVED BY DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity
	Depth	limit	index
WS12	5.50	49.0	28.0



APPROVED BY	DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

BH / TP /					Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content	Density		Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS13	D	1.50	1.50	16	-	-	-	32	16	16	94	CL		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2,4.4,5)
WS13	D	2.50	2.50	18	-	-	-	-	-	-	-	-		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

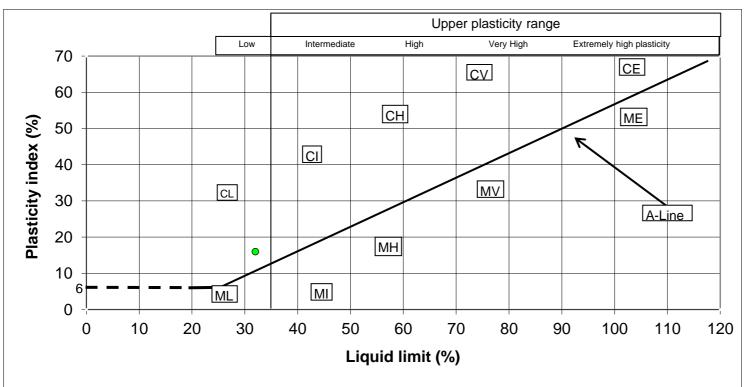
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



ВН	Sample	Liquid	Plasticity
	Depth	limit	index
WS13	1.50	32.0	16.0



APPROVED BY DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

	_	-	_	Moisture	Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content		Density	Strength	Limit	Limit	Index	0.425mm	Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS14	D	1.50	1.50	16	-	-	-	-	-	-	-	-	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2)
WS14	D	2.50	2.50	16	-	-	-	33	15	17	92	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)
WS14	D	4.50	4.50	32	-	-	-	47	20	27	100	CI	Y	Brown slightly sandy silty CLAY. (BS1377Pt2:3.2,4.4,5)
WS14	D	5.50	5.50	30	-	-	-	-	-	-	-	-	Y	Brown slightly sandy silty CLAY. (BS1377Pt2:3.2)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

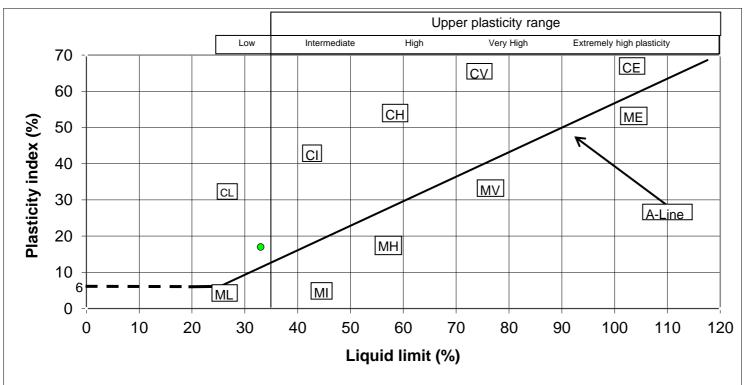
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.

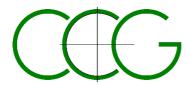


BH	Sample	Liquid	Plasticity
	Depth	limit	index
WS14	2.50	33.0	17.0



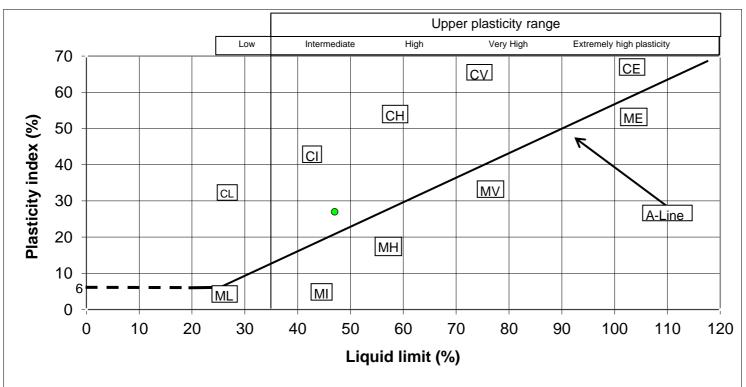
APPROVED BY DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity
	Depth	limit	index
WS14	4.50	47.0	27.0



APPROVED BY DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

				Moisture	Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content	•		Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS15	D	1.50	1.50	16	-	-	-	32	16	16	96	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2,4.4,5)
WS15	D	2.50	2.50	17	-	-	-	-	-	-	-	-	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)

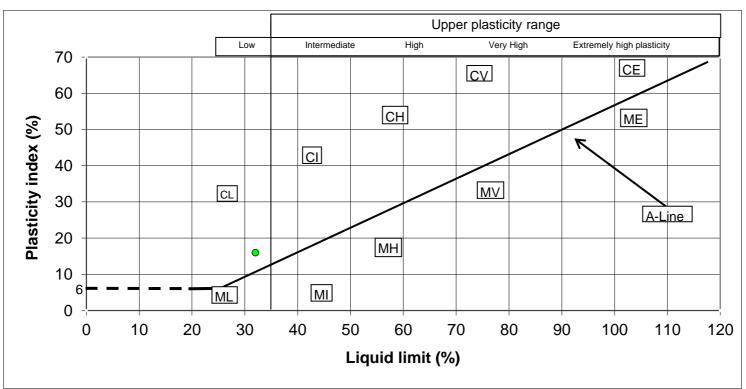
Sample description not accredited by UKAS

12093 WS15 RES .xls



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity
	Depth	limit	index
WS15	1.50	32.0	16.0



APPROVED BY	DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

	Sample	Depth	Depth	Moisture	Bulk	Dry	Shear		Plastic	Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content	Density	Density	Strength	Limit	Limit	Index	0.425mm	Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)		(Mg/m^3)		(%)	(%)	(%)	(%)		test (Y/N)	
WS16	D	1.50	1.50	16	-	-	-	-	-	-	-	-	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2)
WS16	D	2.50	2.50	15	-	-	-	31	15	16	93	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

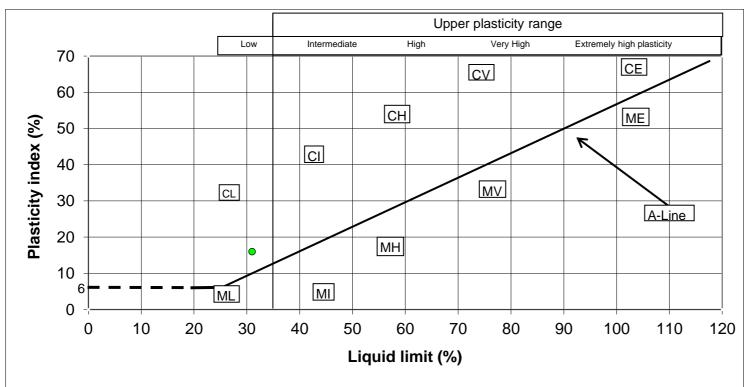
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY, C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity
	Depth	limit	index
WS16	2.50	31.0	16.0



APPROVED BY	DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

BH / TP /					Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content	Density		Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS17	D	1.50	1.50	15	-	-	-	30	15	15	91	CL		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)
WS17	D	2.50	2.50	16	-	-	-	-	-	-	-	-		Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subrounded sandstone. (BS1377Pt2:3.2)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

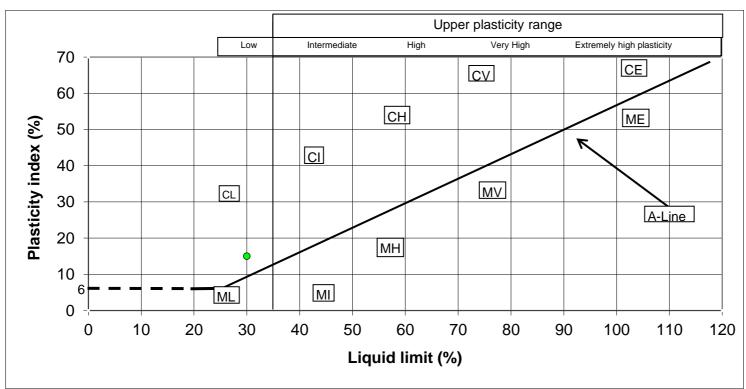
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity		
	Depth	limit	index		
WS17	1.50	30.0	15.0		



APPROVED BY	DK

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

				Moisture	Bulk	Dry	Shear			Plasticity	Passing	Soil	UKAS	Description / Test Method
WS	Type	From	То	Content			Strength	Limit	Limit			Classification	accredited	Samples described in accordance with BS EN ISO 14688-2 2004
Number		(m)	(m)	(%)	(Mg/m^3)	(Mg/m^3)	(kN/m^2)	(%)	(%)	(%)	(%)		test (Y/N)	
WS18	D	1.50	1.50	15	-	-	-	-	-	-	-	-	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2)
WS18	D	2.50	2.50	15	-	-	-	29	14	15	90	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to coarse subrounded sandstone. (BS1377Pt2:3.2,4.4,5)

SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)

CLIENT: LANCASHIRE COUNTY COUNCIL

DATE: 29.04.21





Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

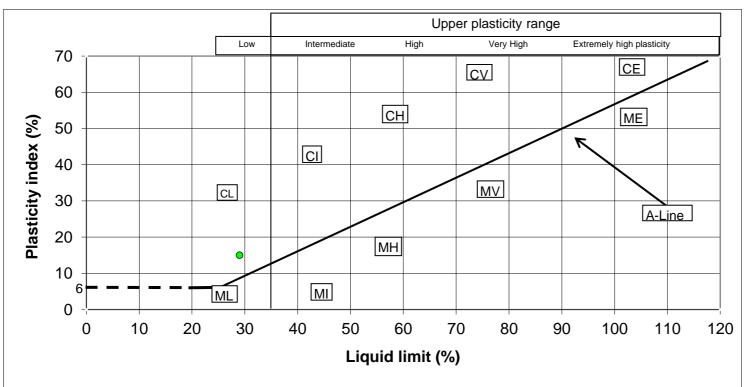
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)



BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample	Liquid	Plasticity
	Depth	limit	index
WS18	2.50	29.0	15.0



APPROVED BY	DK
APPROVED BY	DI

CLIENT: LANCASHIRE COUNTY COUNCIL SITE: COTTAM PARKWAY STATION (CCG-C-21-12093)



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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-33082

Issue: 1

Date of Issue: 15/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 08/04/2021

Date Approved: 15/04/2021

Details: Cottam Parkway Station

^

Mike Varley, Technical Manager

Approved by:

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683

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Sample Summary

Report No.: 21-33082, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232849	TP01 0.40	23/03/2021	08/04/2021	Silty loam	







Report No.: 21-33082, issue number 1

ELAB Reference	232849
Customer Reference	
Sample ID	
Sample Type	BULK
Sample Location	TP01
Sample Depth (m)	0.40
Sampling Date	23/03/2021

Codes	Units	LOD				
Soil sample preparation parameters						
N	%	0.1	< 0.1			
N		0	None			
Anions						
М	g/l	0.02	< 0.02			
U	%	0.02	0.02			
	N N	N % N M g/I	M g/l 0.02			







Method Summary Report No.: 21-33082, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid Soluble Sulphate	U	Air dried sample	15/04/2021	115	Ion Chromatography
Water soluble anions	М	Air dried sample	13/04/2021	172	Ion Chromatography







Report Information

Report No.: 21-33082, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
Ν	do not currently hold UKAS accreditation
٨	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
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.

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

- a No date of sampling supplied
 b No time of sampling supplied (Waters Only)
 c Sample not received in appropriate containers
- d Sample not received in cooled condition
- e The container has been incorrectly filled
- f Sample age exceeds stability time (sampling to receipt)
- g Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage



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Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY

Telephone: (01424) 718618

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32885

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

. ^ [

Mike Varley, Technical Manager

Approved by:

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683

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Sample Summary

Report No.: 21-32885, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231869	TP01 0.50	23/03/2021	29/03/2021	Silty clayey loam	







Report No.: 21-32885, issue number 1

ELAB Reference	231869
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	TP01
Sample Depth (m)	0.50

		Sam	pling Date	23/03/2021
Determinand	Codes	Units	LOD	
Soil sample preparation parameter	ers			
Material removed	N	%	0.1	< 0.1
Description of Inert material removed	N		0	None
Metals				
Arsenic	М	mg/kg	1	8.3
Cadmium	М	mg/kg	0.5	< 0.5
Chromium	М	mg/kg	5	40.2
Copper	М	mg/kg	5	15.7
Lead	М	mg/kg	5	15.0
Mercury	М	mg/kg	0.5	< 0.5
Nickel	М	mg/kg	5	39.6
Selenium	М	mg/kg	1	< 1.0
Zinc	М	mg/kg	5	43.6
Inorganics				
Total Sulphide	N	mg/kg	2	< 2
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02
Water Soluble Boron	N	mg/kg	0.5	< 0.5
Miscellaneous				
Fraction of Organic Carbon	N		0.0001	0.0032
pH	М	pH units	0.1	8.2
Polyaromatic hydrocarbons				
Naphthalene	М	mg/kg	0.1	< 0.1
Acenaphthylene	М	mg/kg	0.1	< 0.1
Acenaphthene	М	mg/kg	0.1	< 0.1
Fluorene	М	mg/kg	0.1	< 0.1
Phenanthrene	М	mg/kg	0.1	< 0.1
Anthracene	М	mg/kg	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	< 0.1
Pyrene	М	mg/kg	0.1	< 0.1
Benzo(a)anthracene	М	mg/kg	0.1	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1
Benzo(b)fluoranthene	М	mg/kg	0.1	< 0.1
Benzo(k)fluoranthene	М	mg/kg	0.1	< 0.1
Benzo(a)pyrene	М	mg/kg	0.1	< 0.1
Indeno(1,2,3-cd)pyrene	М	mg/kg	0.1	< 0.1
Dibenzo(a,h)anthracene	М	mg/kg	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	< 0.4







Report No.: 21-32885, issue number 1

ELAB Reference	231869
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	TP01
Sample Depth (m)	0.50
Sampling Date	23/03/2021

		Sam	pling Date	23/03/2021			
Determinand	Codes	Units	LOD				
TPH CWG							
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01			
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01			
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0			
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0			
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0			
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0			
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0			
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0			
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01			
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01			
>C8-C10 Aromatic	N	mg/kg	1	< 1.0			
>C10-C12 Aromatic	N	mg/kg	1	< 1.0			
>C12-C16 Aromatic	N	mg/kg	1	< 1.0			
>C16-C21 Aromatic	N	mg/kg	1	< 1.0			
>C21-C35 Aromatic	N	mg/kg	1	< 1.0			
>C35-C40 Aromatic	N	mg/kg	1	< 1.0			
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0			
Total Petroleum Hydrocarbons							
PAH Fingerprint	N	n/a	0	n/a			
TPH Fingerprint	N	n/a	0	n/a			



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 21-32885, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the

Elab No Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
231869 0.50	TP01	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32885, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	М	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	М	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/03/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification	U	Air dried sample	31/03/2021	280	Microscopy
Aqua regia extractable metals	М	Air dried sample	30/03/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32885, issue number 1

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Ν	do not currently hold UKAS accreditation
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SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

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ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

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Deviation Codes

а	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
С	Sample not received in appropriate containers
d	Sample not received in cooled condition
е	The container has been incorrectly filled

- f Sample age exceeds stability time (sampling to receipt)
- g Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage



Unit A2 Windmill Road Ponswood Industrial Estate St Leonards on Sea East Sussex TN38 9BY

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-33084

Issue: 1

Date of Issue: 15/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 08/04/2021

Date Approved: 15/04/2021

Details: Cottam Parkway Station

^

Mike Varley, Technical Manager

Approved by:

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683

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Sample Summary

Report No.: 21-33084, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232850	TP02 1.00	23/03/2021	08/04/2021	Silty loam	







Report No.: 21-33084, issue number 1

ELAB Reference	232850
Customer Reference	
Sample ID	
Sample Type	BULK
Sample Location	TP02
Sample Depth (m)	1.00
Sampling Date	23/03/2021

Determinand	Codes	Units	LOD	
Soil sample preparation parameters				
Material removed	N	%	0.1	< 0.1
Description of Inert material removed	N		0	None
Anions				
Water Soluble Sulphate	М	g/l	0.02	< 0.02
Inorganics				
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02







Method Summary Report No.: 21-33084, issue number 1

Parameter		Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid Soluble Sulphate	U	Air dried sample	15/04/2021	115	Ion Chromatography
Water soluble anions		Air dried sample	13/04/2021	172	Ion Chromatography







Report Information

Report No.: 21-33084, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
Ν	do not currently hold UKAS accreditation
٨	MCERTS accreditation not applicable for sample matrix
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S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

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Deviation Codes

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- d Sample not received in cooled condition
- e The container has been incorrectly filled
- f Sample age exceeds stability time (sampling to receipt)
- g Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32886

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32886, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231870	TP02 1.50	23/03/2021	29/03/2021	Sandy silty loam	







Report No.: 21-32886, issue number 1

ELAB Reference	231870
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	TP02
Sample Depth (m)	1.50
Sampling Date	23/03/2021

		Sam	ipling Date	23/03/2021
Determinand	Codes	Units	LOD	
Soil sample preparation parameters				
Material removed	N	%	0.1	< 0.1
Description of Inert material removed	N		0	None
Metals				
Arsenic	M	mg/kg	1	10.9
Cadmium	М	mg/kg	0.5	< 0.5
Chromium	М	mg/kg	5	37.0
Copper	М	mg/kg	5	21.2
Lead	М	mg/kg	5	12.8
Mercury	М	mg/kg	0.5	< 0.5
Nickel	М	mg/kg	5	40.4
Selenium	M	mg/kg	1	< 1.0
Zinc	M	mg/kg	5	52.1
Inorganics				
Total Sulphide	N	mg/kg	2	< 2
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02
Water Soluble Boron	N	mg/kg	0.5	< 0.5
Miscellaneous				
Fraction of Organic Carbon	N		0.0001	0.0017
pH	М	pH units	0.1	8.1
Polyaromatic hydrocarbons				
Naphthalene	M	mg/kg	0.1	< 0.1
Acenaphthylene	М	mg/kg	0.1	< 0.1
Acenaphthene	М	mg/kg	0.1	< 0.1
Fluorene	М	mg/kg	0.1	< 0.1
Phenanthrene	М	mg/kg	0.1	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	< 0.1
Pyrene	M	mg/kg	0.1	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1
Benzo(k)fluoranthene	М	mg/kg	0.1	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	< 0.4



TPH Fingerprint





Results Summary

Report No.: 21-32886, issue number 1

ELAB Reference	231870
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	TP02
Sample Depth (m)	1.50

		Sam	pling Date	23/03/2021
Determinand	Codes	Units	LOD	
TPH CWG				
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0
Total Petroleum Hydrocarbons				
PAH Fingerprint	N	n/a	0	n/a



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Results Summary

Report No.: 21-32886, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
231870	1.50	TP02	Brown soil	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32886, issue number 1

Parameter		Analysis Undertaken On	Date Tested	Method Number	Technique
Soil		U			'
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	М	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	М	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/03/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification		Air dried sample	01/04/2021	280	Microscopy
Aqua regia extractable metals	М	Air dried sample	30/03/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32886, issue number 1

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Sample Retention and Disposal

All soil samples will be retained for a period of one month All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage



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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32895

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32895, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231893	TP03 Natural 0.40	23/03/2021	29/03/2021	Silty loam	







Report No.: 21-32895, issue number 1

ELAB Reference	231893
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	TP03
Sample Depth (m)	0.40

		Sam	pling Date	23/03/2021
Determinand	Codes	Units	LOD	
Soil sample preparation parameter	ers			
Material removed	N	%	0.1	< 0.1
Description of Inert material removed	N		0	None
Metals				
Arsenic	М	mg/kg	1	10.7
Cadmium	М	mg/kg	0.5	< 0.5
Chromium	М	mg/kg	5	42.1
Copper	М	mg/kg	5	17.1
Lead	М	mg/kg	5	14.6
Mercury	М	mg/kg	0.5	< 0.5
Nickel	М	mg/kg	5	35.4
Selenium	М	mg/kg	1	< 1.0
Zinc	М	mg/kg	5	52.8
Inorganics				
Total Sulphide	N	mg/kg	2	< 2
Acid Soluble Sulphate (SO4)	U	%	0.02	0.02
Water Soluble Boron	N	mg/kg	0.5	< 0.5
Miscellaneous				
Fraction of Organic Carbon	N		0.0001	0.0023
pH	М	pH units	0.1	7.7
Polyaromatic hydrocarbons				
Naphthalene	М	mg/kg	0.1	< 0.1
Acenaphthylene	М	mg/kg	0.1	< 0.1
Acenaphthene	М	mg/kg	0.1	< 0.1
Fluorene	М	mg/kg	0.1	< 0.1
Phenanthrene	М	mg/kg	0.1	< 0.1
Anthracene	М	mg/kg	0.1	< 0.1
Fluoranthene	М	mg/kg	0.1	< 0.1
Pyrene	М	mg/kg	0.1	< 0.1
Benzo(a)anthracene	М	mg/kg	0.1	< 0.1
Chrysene	М	mg/kg	0.1	< 0.1
Benzo(b)fluoranthene	М	mg/kg	0.1	< 0.1
Benzo(k)fluoranthene	М	mg/kg	0.1	< 0.1
Benzo(a)pyrene	М	mg/kg	0.1	< 0.1
Indeno(1,2,3-cd)pyrene	М	mg/kg	0.1	< 0.1
Dibenzo(a,h)anthracene	М	mg/kg	0.1	< 0.1
Benzo[g,h,i]perylene	М	mg/kg	0.1	< 0.1
Total PAH(16)	М	mg/kg	0.4	< 0.4







Report No.: 21-32895, issue number 1

ELAB Reference	231893
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	TP03
Sample Depth (m)	0.40
Sampling Date	23/03/2021

Sampling Date 23/03/202						
Determinand	Codes	Units	LOD			
TPH CWG						
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01		
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01		
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0		
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0		
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0		
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0		
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0		
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0		
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01		
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01		
>C8-C10 Aromatic	N	mg/kg	1	< 1.0		
>C10-C12 Aromatic	N	mg/kg	1	< 1.0		
>C12-C16 Aromatic	N	mg/kg	1	< 1.0		
>C16-C21 Aromatic	N	mg/kg	1	< 1.0		
>C21-C35 Aromatic	N	mg/kg	1	< 1.0		
>C35-C40 Aromatic	N	mg/kg	1	< 1.0		
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0		
Total Petroleum Hydrocarbons						
PAH Fingerprint	N	n/a	0	n/a		
TPH Fingerprint	N	n/a	0	n/a		



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Results Summary

Report No.: 21-32895, issue number 1

Asbestos Results

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Elab No Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
231893 0.40	TP03 Natural	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32895, issue number 1

Parameter		Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	М	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	М	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/03/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification		Air dried sample	01/04/2021	280	Microscopy
Aqua regia extractable metals	М	Air dried sample	30/03/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32895, issue number 1

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-33086

Issue: 1

Date of Issue: 15/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 08/04/2021

Date Approved: 15/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-33086, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232855	TP04 0.60	23/03/2021	08/04/2021	Silty loam	







Report No.: 21-33086, issue number 1

ELAB Reference	232855
Customer Reference	
Sample ID	
Sample Type	BULK
Sample Location	TP04
Sample Depth (m)	0.60
Sampling Date	23/03/2021

Determinand	Codes	Units	LOD		
Soil sample preparation parameters					
Material removed	N	%	0.1	< 0.1	
Description of Inert material removed	N		0	None	
Anions					
Water Soluble Sulphate	М	g/l	0.02	< 0.02	
Inorganics					
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02	







Method Summary Report No.: 21-33086, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique	
Soil						
Acid Soluble Sulphate	U	Air dried sample	15/04/2021	115	Ion Chromatography	
Water soluble anions	М	Air dried sample	13/04/2021	172	Ion Chromatography	







Report Information

Report No.: 21-33086, issue number 1

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-33087

Issue: 1

Date of Issue: 15/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 08/04/2021

Date Approved: 15/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-33087, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232856	TP05 0.50	24/03/2021	08/04/2021	Silty loam	







Report No.: 21-33087, issue number 1

ELAB Reference	232856
Customer Reference	
Sample ID	
Sample Type	BULK
Sample Location	TP05
Sample Depth (m)	0.50
Sampling Date	24/03/2021

Determinand	Codes	Units	LOD			
Soil sample preparation parameters						
Material removed	N	%	0.1	< 0.1		
Description of Inert material removed	N		0	None		
Anions						
Water Soluble Sulphate	М	g/l	0.02	< 0.02		
Inorganics						
Acid Soluble Sulphate (SO4)	U	%	0.02	0.02		







Method Summary Report No.: 21-33087, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid Soluble Sulphate	U	Air dried sample	15/04/2021	115	Ion Chromatography
Water soluble anions	М	Air dried sample	13/04/2021	172	Ion Chromatography







Report Information

Report No.: 21-33087, issue number 1

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-33088

Issue: 1

Date of Issue: 15/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 08/04/2021

Date Approved: 15/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-33088, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232857	TP06 1.00	24/03/2021	08/04/2021	Silty loam	







Results Summary

Results Sullillary 2005				
Report No.: 21-33088, issue number 1				
		ELAB	Reference	232857
	Cu	stomer	Reference	
		;	Sample ID	
		Sa	mple Type	DISTURBED
		Sampl	e Location	TP06
	5	Sample	Depth (m)	1.00
		Sam	pling Date	24/03/2021
Determinand	Codes	Units	LOD	
Soil sample preparation paramet	ers			
Material removed	N	%	0.1	< 0.1
Description of Inert material removed	N		0	None
Anions				
Water Soluble Sulphate	M	g/l	0.02	< 0.02
Inorganics				
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02







Method Summary Report No.: 21-33088, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid Soluble Sulphate	U	Air dried sample	15/04/2021	115	Ion Chromatography
Water soluble anions	М	Air dried sample	13/04/2021	172	Ion Chromatography







Report Information

Report No.: 21-33088, issue number 1

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U/S	Unsuitable sample
n/t	Not tested
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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32897

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32897, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231900	TP06 Natural 0.25	23/03/2021	29/03/2021	Silty loam	







Report No.: 21-32897, issue number 1

ELAB Reference	231900
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	TP06
Sample Depth (m)	0.25

Sampling Date							
Determinand	Codes	Units	LOD				
Soil sample preparation parameters							
Material removed	N	%	0.1	< 0.1			
Description of Inert material removed	N		0	None			
Metals							
Arsenic	М	mg/kg	1	12.1			
Cadmium	М	mg/kg	0.5	< 0.5			
Chromium	М	mg/kg	5	27.8			
Copper	М	mg/kg	5	28.9			
Lead	M	mg/kg	5	41.6			
Mercury	M	mg/kg	0.5	< 0.5			
Nickel	М	mg/kg	5	21.1			
Selenium	M	mg/kg	1	< 1.0			
Zinc	М	mg/kg	5	72.6			
Inorganics							
Total Sulphide	N	mg/kg	2	< 2			
Acid Soluble Sulphate (SO4)	U	%	0.02	0.03			
Water Soluble Boron	N	mg/kg	0.5	< 0.5			
Miscellaneous							
Fraction of Organic Carbon	N		0.0001	0.0271			
pH	М	pH units	0.1	6.3			
Polyaromatic hydrocarbons							
Naphthalene	М	mg/kg	0.1	< 0.1			
Acenaphthylene	М	mg/kg	0.1	< 0.1			
Acenaphthene	М	mg/kg	0.1	< 0.1			
Fluorene	М	mg/kg	0.1	< 0.1			
Phenanthrene	M	mg/kg	0.1	< 0.1			
Anthracene	M	mg/kg	0.1	< 0.1			
Fluoranthene	M	mg/kg	0.1	0.1			
Pyrene	М	mg/kg	0.1	0.1			
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1			
Chrysene	M	mg/kg	0.1	< 0.1			
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1			
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1			
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1			
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1			
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1			
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1			
Total PAH(16)	M	mg/kg	0.4	0.5			







Report No.: 21-32897, issue number 1

ELAB Reference	231900
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	TP06
Sample Depth (m)	0.25

	pling Date	23/03/2021		
Determinand	Codes	Units	LOD	
TPH CWG				
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0
Total Petroleum Hydrocarbons				
PAH Fingerprint	N	n/a	0	n/a
TPH Fingerprint	N	n/a	0	n/a



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 21-32897, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Elab No Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
231900 0.25	TP06 Natural	Brown Soil,Root	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32897, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	М	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	М	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/03/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification	U	Air dried sample	01/04/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	30/03/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32897, issue number 1

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32957

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 31/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32957, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232156	WS04 1.00	25/03/2021	31/03/2021	Silty clayey loam	







Report No.: 21-32957, issue number 1

ELAB Reference	232156
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS04
Sample Depth (m)	1.00
Sampling Date	25/03/2021

		Cam	pillig Date	23/03/2021		
Determinand	Codes	Units	LOD			
Soil sample preparation parameters						
Material removed	N	%	0.1	< 0.1		
Description of Inert material removed	N		0	None		
Anions						
Water Soluble Sulphate	М	g/l	0.02	< 0.02		
Inorganics						
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02		







Method Summary Report No.: 21-32957, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid Soluble Sulphate	U	Air dried sample	06/04/2021	115	Ion Chromatography
Water soluble anions	М	Air dried sample	01/04/2021	172	Ion Chromatography







Report Information

Report No.: 21-32957, issue number 1

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-33092

Issue: 1

Date of Issue: 15/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 08/04/2021

Date Approved: 15/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-33092, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232869	WS04 0.70	26/03/2021	08/04/2021	Silty clayey loam	







Report No.: 21-33092, issue number 1

ELAB Reference	232869
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS04
Sample Depth (m)	0.70
Sampling Data	26/02/2024

		Saiii	pillig Date	20/03/2021				
Determinand	Codes	Units	LOD					
Soil sample preparation parameters								
Material removed	N	%	0.1	< 0.1				
Description of Inert material removed	N		0	None				
Anions								
Water Soluble Sulphate	M	g/l	0.02	< 0.02				
Inorganics								
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02				







Method Summary Report No.: 21-33092, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid Soluble Sulphate	U	Air dried sample	15/04/2021	115	Ion Chromatography
Water soluble anions	М	Air dried sample	13/04/2021	172	Ion Chromatography







Report Information

Report No.: 21-33092, issue number 1

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32952

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 26/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32952, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232151	WS04 0.70	26/03/2021	26/03/2021	Clayey loam	







Report No.: 21-32952, issue number 1

ELAB Reference	232151
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS04
Sample Depth (m)	0.70
Sampling Date	26/03/2021

		Sam	pling Date	26/03/2021				
Determinand	Codes	Units	LOD					
Soil sample preparation parameters								
Material removed	N	%	0.1	< 0.1				
Description of Inert material removed	N		0	None				
Metals								
Arsenic	M	mg/kg	1	16.3				
Cadmium	М	mg/kg	0.5	< 0.5				
Chromium	М	mg/kg	5	19.1				
Copper	М	mg/kg	5	9.5				
Lead	М	mg/kg	5	12.3				
Mercury	М	mg/kg	0.5	< 0.5				
Nickel	M	mg/kg	5	20.6				
Selenium	M	mg/kg	1	1.9				
Zinc	M	mg/kg	5	51.3				
Inorganics								
Total Sulphide	N	mg/kg	2	< 2				
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02				
Water Soluble Boron	N	mg/kg	0.5	< 0.5				
Miscellaneous								
Fraction of Organic Carbon	N		0.0001	0.0066				
pH	М	pH units	0.1	8.3				
Polyaromatic hydrocarbons								
Naphthalene	M	mg/kg	0.1	< 0.1				
Acenaphthylene	М	mg/kg	0.1	< 0.1				
Acenaphthene	М	mg/kg	0.1	< 0.1				
Fluorene	М	mg/kg	0.1	< 0.1				
Phenanthrene	М	mg/kg	0.1	< 0.1				
Anthracene	M	mg/kg	0.1	< 0.1				
Fluoranthene	M	mg/kg	0.1	< 0.1				
Pyrene	M	mg/kg	0.1	< 0.1				
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1				
Chrysene	M	mg/kg	0.1	< 0.1				
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1				
Benzo(k)fluoranthene	М	mg/kg	0.1	< 0.1				
Benzo(a)pyrene	М	mg/kg	0.1	< 0.1				
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1				
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1				
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1				
Total PAH(16)	M	mg/kg	0.4	< 0.4				







Report No.: 21-32952, issue number 1

ELAB Reference	232151
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS04
Sample Depth (m)	0.70
Sampling Date	26/03/2021

		San	pling Date	26/03/2021
Determinand	Codes	Units	LOD	
TPH CWG				
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0
Total Petroleum Hydrocarbons				
PAH Fingerprint	N	n/a	0	n/a
TPH Fingerprint	N	n/a	0	n/a



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 21-32952, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
232151	0.70	WS04	Brown soil	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32952, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	01/04/2021	109	Colorimetry
рН	M	Air dried sample	06/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	06/04/2021	115	Ion Chromatography
PAH (GC-FID)	M	As submitted sample	01/04/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	01/04/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	01/04/2021	181	GC-MS
Water soluble boron	N	Air dried sample	01/04/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	06/04/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	01/04/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	06/04/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	01/04/2021	214	GC-FID
Asbestos identification	U	Air dried sample	01/04/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	01/04/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32952, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
Ν	do not currently hold UKAS accreditation
٨	MCERTS accreditation not applicable for sample matrix
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S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
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.

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

Deviation	oucs -
а	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
С	Sample not received in appropriate containers
d	Sample not received in cooled condition
е	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
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Where a sa	ample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage



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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32953

Issue: 1

Date of Issue: 08/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 31/03/2021

Date Approved: 08/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32953, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232152	WS05 0.20	26/03/2021	31/03/2021	Silty loam	







Report No.: 21-32953, issue number 1

ELAB Reference	232152
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS05
Sample Depth (m)	0.20
Sampling Date	26/03/2021

		Sam	pling Date	26/03/2021
Determinand	Codes	Units	LOD	
Soil sample preparation param	neters			
Material removed	N	%	0.1	< 0.1
Description of Inert material removed	N		0	None
Metals				
Arsenic	M	mg/kg	1	10.1
Cadmium	М	mg/kg	0.5	< 0.5
Chromium	М	mg/kg	5	27.8
Copper	М	mg/kg	5	53.2
Lead	М	mg/kg	5	57.4
Mercury	M	mg/kg	0.5	< 0.5
Nickel	M	mg/kg	5	21.4
Selenium	M	mg/kg	1	< 1.0
Zinc	M	mg/kg	5	108
Inorganics				
Total Sulphide	N	mg/kg	2	< 2
Acid Soluble Sulphate (SO4)	U	%	0.02	0.03
Water Soluble Boron	N	mg/kg	0.5	0.7
Miscellaneous				
Fraction of Organic Carbon	N		0.0001	0.0412
pH	M	pH units	0.1	5.8
Polyaromatic hydrocarbons				
Naphthalene	M	mg/kg	0.1	< 0.1
Acenaphthylene	М	mg/kg	0.1	< 0.1
Acenaphthene	М	mg/kg	0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.1
Pyrene	M	mg/kg	0.1	0.1
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	< 0.4







Report No.: 21-32953, issue number 1

ELAB Reference	232152
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS05
Sample Depth (m)	0.20
Sampling Date	26/03/2021

		Sam	pling Date	26/03/2021			
Determinand	Codes	Units	LOD				
TPH CWG							
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01			
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01			
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0			
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0			
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0			
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0			
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0			
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0			
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01			
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01			
>C8-C10 Aromatic	N	mg/kg	1	< 1.0			
>C10-C12 Aromatic	N	mg/kg	1	< 1.0			
>C12-C16 Aromatic	N	mg/kg	1	< 1.0			
>C16-C21 Aromatic	N	mg/kg	1	< 1.0			
>C21-C35 Aromatic	N	mg/kg	1	< 1.0			
>C35-C40 Aromatic	N	mg/kg	1	< 1.0			
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0			
Total Petroleum Hydrocarbons							
PAH Fingerprint	N	n/a	0	n/a			
TPH Fingerprint	N	n/a	0	n/a			



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Results Summary

Report No.: 21-32953, issue number 1

Asbestos Results

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Elab No Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
232152 0.20	WS05	Brown soil	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32953, issue number 1

Parameter	Codes	odes Analysis Undertaken Date On Tested		Method Number	Technique
Soil					
Sulphide	N	As submitted sample	01/04/2021	109	Colorimetry
рН	M	Air dried sample	06/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	06/04/2021	115	Ion Chromatography
PAH (GC-FID)	M	As submitted sample	01/04/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	01/04/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	01/04/2021	181	GC-MS
Water soluble boron	N	Air dried sample	01/04/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	06/04/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	01/04/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	06/04/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	01/04/2021	214	GC-FID
Asbestos identification	U	Air dried sample	07/04/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	01/04/2021	300	ICPMS

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Report Information

Report No.: 21-32953, issue number 1

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Deviation Codes

Deviation	Codes
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Sample Retention and Disposal

All soil samples will be retained for a period of one month All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage



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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32958

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 31/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32958, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232157	WS06 1.00	25/03/2021	31/03/2021	Clayey loam	







Report No.: 21-32958, issue number 1

ELAB Reference	232157
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS06
Sample Depth (m)	1.00
Sampling Date	25/03/2021

Determinand	Codes	Units	LOD					
Soil sample preparation parameters								
Material removed	N	%	0.1	< 0.1				
Description of Inert material removed	N		0	None				
Anions								
Water Soluble Sulphate	М	g/l	0.02	0.04				
Inorganics								
Acid Soluble Sulphate (SO4)	U	%	0.02	0.02				







Method Summary Report No.: 21-32958, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid Soluble Sulphate	U	Air dried sample	06/04/2021	115	Ion Chromatography
Water soluble anions	М	Air dried sample	01/04/2021	172	Ion Chromatography







Report Information

Report No.: 21-32958, issue number 1

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I/S	Insufficient Sample
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Deviation Codes

- a No date of sampling supplied
- b No time of sampling supplied (Waters Only)
- c Sample not received in appropriate containers
- d Sample not received in cooled condition
- e The container has been incorrectly filled
- f Sample age exceeds stability time (sampling to receipt)
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Sample Retention and Disposal

All soil samples will be retained for a period of one month

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32954

Issue: 1

Date of Issue: 07/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 31/03/2021

Date Approved: 07/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32954, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
232153	WS06 1.00	31/03/2021	31/03/2021	Clayey loam	







Report No.: 21-32954, issue number 1

ELAB Reference	232153
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS06
Sample Depth (m)	1.00
Sampling Date	31/03/2021

		Sam	pling Date	31/03/2021	
Determinand	Codes	Units	LOD		
Soil sample preparation parameters					
Material removed	N	%	0.1	< 0.1	
Description of Inert material removed	N		0	None	
Metals					
Arsenic	M	mg/kg	1	13.8	
Cadmium	М	mg/kg	0.5	< 0.5	
Chromium	М	mg/kg	5	30.6	
Copper	M	mg/kg	5	19.5	
Lead	М	mg/kg	5	13.7	
Mercury	M	mg/kg	0.5	< 0.5	
Nickel	М	mg/kg	5	34.6	
Selenium	М	mg/kg	1	< 1.0	
Zinc	M	mg/kg	5	54.6	
Inorganics	-				
Total Sulphide	N	mg/kg	2	< 2	
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02	
Water Soluble Boron	N	mg/kg	0.5	< 0.5	
Miscellaneous	•				
Fraction of Organic Carbon	N		0.0001	0.0032	
pH	M	pH units	0.1	8.0	
Polyaromatic hydrocarbons					
Naphthalene	M	mg/kg	0.1	< 0.1	
Acenaphthylene	М	mg/kg	0.1	< 0.1	
Acenaphthene	M	mg/kg	0.1	< 0.1	
Fluorene	М	mg/kg	0.1	< 0.1	
Phenanthrene	M	mg/kg	0.1	< 0.1	
Anthracene	M	mg/kg	0.1	< 0.1	
Fluoranthene	M	mg/kg	0.1	< 0.1	
Pyrene	M	mg/kg	0.1	< 0.1	
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	
Chrysene	M	mg/kg	0.1	< 0.1	
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1	
Benzo(k)fluoranthene	М	mg/kg	0.1	< 0.1	
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1	
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1	
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1	
Total PAH(16)	M	mg/kg	0.4	< 0.4	







Report No.: 21-32954, issue number 1

ELAB Reference	232153
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS06
Sample Depth (m)	1.00
Sampling Date	31/03/2021

		San	ipility Date	31/03/2021	
Determinand	Codes	Units	LOD		
TPH CWG					
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0	
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0	
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0	
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	
>C16-C21 Aromatic	N	mg/kg	1	< 1.0	
>C21-C35 Aromatic	N	mg/kg	1	< 1.0	
>C35-C40 Aromatic	N	mg/kg	1	< 1.0	
Total (>C5-C40) Ali/Aro	N	mg/kg	1	4.6	
Total Petroleum Hydrocarbons					
PAH Fingerprint	N	n/a	0	n/a	
TPH Fingerprint	N	n/a	0	n/a	





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Results Summary

Report No.: 21-32954, issue number 1

Asbestos Results

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Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric	Gravimetric	Free Fibre	Total
					Analysis Total	Analysis by ACM	Analysis	Asbestos
					(%)	Type (%)	(%)	(%)
232153	1.00	WS06	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32954, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	01/04/2021	109	Colorimetry
рН	M	Air dried sample	06/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	06/04/2021	115	Ion Chromatography
PAH (GC-FID)	M	As submitted sample	01/04/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	01/04/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	01/04/2021	181	GC-MS
Water soluble boron	N	Air dried sample	01/04/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	06/04/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	01/04/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	06/04/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	01/04/2021	214	GC-FID
Asbestos identification	U	Air dried sample	07/04/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	01/04/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32954, issue number 1

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Unit A2
Windmill Road
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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32899

Issue: 1

Date of Issue: 07/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 07/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683

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Sample Summary

Report No.: 21-32899, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231911	WS07 Natural 0.20	24/03/2021	29/03/2021	Silty loam	







Report No.: 21-32899, issue number 1

ELAB Reference	231911
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS07
Sample Depth (m)	0.20
Sampling Date	24/03/2021

		Sam	pling Date	24/03/2021		
Determinand	Codes	Units	LOD			
Soil sample preparation parameters						
Material removed	N	%	0.1	< 0.1		
Description of Inert material removed	N		0	None		
Metals						
Arsenic	M	mg/kg	1	8.4		
Cadmium	М	mg/kg	0.5	< 0.5		
Chromium	М	mg/kg	5	29.8		
Copper	М	mg/kg	5	16.8		
Lead	М	mg/kg	5	31.3		
Mercury	M	mg/kg	0.5	< 0.5		
Nickel	M	mg/kg	5	26.3		
Selenium	M	mg/kg	1	< 1.0		
Zinc	M	mg/kg	5	47.9		
Inorganics						
Total Sulphide	N	mg/kg	2	< 2		
Acid Soluble Sulphate (SO4)	U	%	0.02	0.02		
Water Soluble Boron	N	mg/kg	0.5	< 0.5		
Miscellaneous						
Fraction of Organic Carbon	N		0.0001	0.0114		
pH	M	pH units	0.1	6.6		
Polyaromatic hydrocarbons						
Naphthalene	M	mg/kg	0.1	< 0.1		
Acenaphthylene	М	mg/kg	0.1	< 0.1		
Acenaphthene	М	mg/kg	0.1	< 0.1		
Fluorene	М	mg/kg	0.1	< 0.1		
Phenanthrene	M	mg/kg	0.1	< 0.1		
Anthracene	M	mg/kg	0.1	< 0.1		
Fluoranthene	M	mg/kg	0.1	< 0.1		
Pyrene	M	mg/kg	0.1	< 0.1		
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1		
Chrysene	M	mg/kg	0.1	< 0.1		
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1		
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1		
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1		
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1		
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1		
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1		
Total PAH(16)	M	mg/kg	0.4	< 0.4		







Report No.: 21-32899, issue number 1

ELAB Reference	231911
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS07
Sample Depth (m)	0.20
Sampling Date	24/03/2021

Sampling Date 24/03/2021						
Determinand	Codes	Units	LOD			
TPH CWG						
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01		
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01		
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0		
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0		
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0		
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0		
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0		
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0		
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01		
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01		
>C8-C10 Aromatic	N	mg/kg	1	< 1.0		
>C10-C12 Aromatic	N	mg/kg	1	< 1.0		
>C12-C16 Aromatic	N	mg/kg	1	< 1.0		
>C16-C21 Aromatic	N	mg/kg	1	< 1.0		
>C21-C35 Aromatic	N	mg/kg	1	< 1.0		
>C35-C40 Aromatic	N	mg/kg	1	< 1.0		
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0		
Total Petroleum Hydrocarbons						
PAH Fingerprint	N	n/a	0	n/a		
TPH Fingerprint	N	n/a	0	n/a		





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Results Summary

Report No.: 21-32899, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric	Gravimetric	Free Fibre	Total
					Analysis Total	Analysis by ACM	Analysis	Asbestos
					(%)	Type (%)	(%)	(%)
231911	0.20	WS07 Natural	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32899, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	M	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	M	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/03/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification	U	Air dried sample	01/04/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	30/03/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32899, issue number 1

Key

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M	hold MCERTS and UKAS accreditation
Ν	do not currently hold UKAS accreditation
٨	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
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.

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

Deviation	Codes
а	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
С	Sample not received in appropriate containers
d	Sample not received in cooled condition
е	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)
Where a sa	ample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage



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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32900

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32900, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231912	WS08 Natural 0.10	24/03/2021	29/03/2021	Silty loam	







Report No.: 21-32900, issue number 1

ELAB Reference	231912
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS08
Sample Depth (m)	0.10
	0.1/00/0001

		Sam	pling Date	24/03/2021
Determinand	Codes	Units	LOD	
Soil sample preparation paramet	ers			
Material removed	N	%	0.1	< 0.1
Description of Inert material removed	N		0	None
Metals				
Arsenic	M	mg/kg	1	11.2
Cadmium	M	mg/kg	0.5	< 0.5
Chromium	M	mg/kg	5	28.2
Copper	M	mg/kg	5	37.0
Lead	M	mg/kg	5	33.9
Mercury	M	mg/kg	0.5	< 0.5
Nickel	M	mg/kg	5	24.7
Selenium	M	mg/kg	1	< 1.0
Zinc	M	mg/kg	5	58.5
Inorganics				
Total Sulphide	N	mg/kg	2	< 2
Acid Soluble Sulphate (SO4)	U	%	0.02	0.02
Water Soluble Boron	N	mg/kg	0.5	< 0.5
Miscellaneous				
Fraction of Organic Carbon	N		0.0001	0.0137
рН	M	pH units	0.1	6.5
Polyaromatic hydrocarbons				
Naphthalene	M	mg/kg	0.1	< 0.1
Acenaphthylene	М	mg/kg	0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.1
Pyrene	M	mg/kg	0.1	0.1
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	0.5







Report No.: 21-32900, issue number 1

ELAB Reference	231912
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS08
Sample Depth (m)	0.10
Sampling Date	24/03/2021

Sampling Date 24/03/2						
Codes	Units	LOD				
N	mg/kg	0.01	< 0.01			
N	mg/kg	0.01	< 0.01			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	0.01	< 0.01			
N	mg/kg	0.01	< 0.01			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
N	mg/kg	1	< 1.0			
Total Petroleum Hydrocarbons						
N	n/a	0	n/a			
N	n/a	0	n/a			
	N N N N N N N N N N N N N N N N N N N	N mg/kg	N mg/kg 0.01 N mg/kg 0.01 N mg/kg 0.01 N mg/kg 1 N mg/kg 0.01 N mg/kg 1 N mg/kg 1			



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Results Summary

Report No.: 21-32900, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Elab No Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
231912 0.10	WS08 Natural	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32900, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	M	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	M	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/03/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification	U	Air dried sample	01/04/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	30/03/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32900, issue number 1

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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.

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

е

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
С	Sample not received in appropriate containers
d	Sample not received in cooled condition

The container has been incorrectly filled

- f Sample age exceeds stability time (sampling to receipt)
- g Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage



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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32904

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32904, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231959	WS12 Natural 0.20	23/03/2021	29/03/2021	Silty loam	







Report No.: 21-32904, issue number 1

ELAB Reference	231959
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS12
Sample Depth (m)	0.20

		Sam	pling Date	23/03/2021	
Determinand	Codes	Units	LOD		
Soil sample preparation parameters					
Material removed	N	%	0.1	< 0.1	
Description of Inert material removed	N		0	None	
Metals					
Arsenic	М	mg/kg	1	13.0	
Cadmium	М	mg/kg	0.5	< 0.5	
Chromium	М	mg/kg	5	31.8	
Copper	М	mg/kg	5	35.8	
Lead	М	mg/kg	5	54.4	
Mercury	М	mg/kg	0.5	< 0.5	
Nickel	М	mg/kg	5	26.9	
Selenium	М	mg/kg	1	< 1.0	
Zinc	М	mg/kg	5	57.0	
Inorganics					
Total Sulphide	N	mg/kg	2	< 2	
Acid Soluble Sulphate (SO4)	U	%	0.02	0.02	
Water Soluble Boron	N	mg/kg	0.5	0.6	
Miscellaneous					
Fraction of Organic Carbon	N		0.0001	0.0149	
рН	М	pH units	0.1	6.8	
Polyaromatic hydrocarbons					
Naphthalene	М	mg/kg	0.1	< 0.1	
Acenaphthylene	М	mg/kg	0.1	< 0.1	
Acenaphthene	М	mg/kg	0.1	< 0.1	
Fluorene	М	mg/kg	0.1	< 0.1	
Phenanthrene	М	mg/kg	0.1	0.1	
Anthracene	М	mg/kg	0.1	< 0.1	
Fluoranthene	М	mg/kg	0.1	0.2	
Pyrene	М	mg/kg	0.1	0.2	
Benzo(a)anthracene	М	mg/kg	0.1	< 0.1	
Chrysene	М	mg/kg	0.1	0.1	
Benzo(b)fluoranthene	М	mg/kg	0.1	< 0.1	
Benzo(k)fluoranthene	М	mg/kg	0.1	< 0.1	
Benzo(a)pyrene	М	mg/kg	0.1	< 0.1	
Indeno(1,2,3-cd)pyrene	М	mg/kg	0.1	< 0.1	
Dibenzo(a,h)anthracene	М	mg/kg	0.1	< 0.1	
Benzo[g,h,i]perylene	М	mg/kg	0.1	< 0.1	
Total PAH(16)	М	mg/kg	0.4	0.7	







Report No.: 21-32904, issue number 1

ELAB Reference	231959
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS12
Sample Depth (m)	0.20
Sampling Date	23/03/2021

	San	pling Date	23/03/2021		
Codes	Units	LOD			
TPH CWG					
N	mg/kg	0.01	< 0.01		
N	mg/kg	0.01	< 0.01		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	0.01	< 0.01		
N	mg/kg	0.01	< 0.01		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
N	mg/kg	1	< 1.0		
Total Petroleum Hydrocarbons					
N	n/a	0	n/a		
N	n/a	0	n/a		
	N N N N N N N N N N N N N N N N N N N	N mg/kg	N mg/kg 0.01 N mg/kg 0.01 N mg/kg 1 N mg/kg 0.01 N mg/kg 0.01 N mg/kg 1 N mg/kg 1		



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Results Summary

Report No.: 21-32904, issue number 1

Asbestos Results

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Elab No Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
231959 0.20	WS12 Natural	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32904, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	М	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	М	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/03/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification	U	Air dried sample	01/04/2021	280	Microscopy
Aqua regia extractable metals	М	Air dried sample	30/03/2021	300	ICPMS

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U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

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Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

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Deviation Codes

Doriation	
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East Sussex
TN38 9BY

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32905

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32905, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231960	WS13 Natural 0.10	23/03/2021	29/03/2021	Silty loam	







Results Summary

Report No.: 21-32905, issue number 1

ELAB Reference	231960
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS13
Sample Depth (m)	0.10

		Sam	pling Date	23/03/2021	
Determinand	Codes	Units	LOD		
Soil sample preparation parameters					
Material removed	N	%	0.1	< 0.1	
Description of Inert material removed	N		0	None	
Metals					
Arsenic	М	mg/kg	1	13.8	
Cadmium	М	mg/kg	0.5	< 0.5	
Chromium	М	mg/kg	5	25.0	
Copper	М	mg/kg	5	49.6	
Lead	М	mg/kg	5	68.0	
Mercury	M	mg/kg	0.5	< 0.5	
Nickel	M	mg/kg	5	22.0	
Selenium	M	mg/kg	1	< 1.0	
Zinc	М	mg/kg	5	90.0	
Inorganics					
Total Sulphide	N	mg/kg	2	< 2	
Acid Soluble Sulphate (SO4)	U	%	0.02	0.05	
Water Soluble Boron	N	mg/kg	0.5	0.9	
Miscellaneous					
Fraction of Organic Carbon	N		0.0001	0.0585	
pH	М	pH units	0.1	5.9	
Polyaromatic hydrocarbons					
Naphthalene	М	mg/kg	0.1	< 0.1	
Acenaphthylene	М	mg/kg	0.1	< 0.1	
Acenaphthene	М	mg/kg	0.1	< 0.1	
Fluorene	М	mg/kg	0.1	< 0.1	
Phenanthrene	М	mg/kg	0.1	< 0.1	
Anthracene	М	mg/kg	0.1	< 0.1	
Fluoranthene	М	mg/kg	0.1	< 0.1	
Pyrene	М	mg/kg	0.1	< 0.1	
Benzo(a)anthracene	М	mg/kg	0.1	< 0.1	
Chrysene	M	mg/kg	0.1	< 0.1	
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1	
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1	
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1	
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1	
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1	
Total PAH(16)	M	mg/kg	0.4	< 0.4	







Results Summary

Report No.: 21-32905, issue number 1

ELAB Reference	231960
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS13
Sample Depth (m)	0.10
Sampling Date	23/03/2021

		San	pling Date	23/03/2021
Determinand	Codes	Units	LOD	
TPH CWG				
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0
Total Petroleum Hydrocarbons				
PAH Fingerprint	N	n/a	0	n/a
TPH Fingerprint	N	n/a	0	n/a



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Results Summary

Report No.: 21-32905, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client

Elab No Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
231960 0.10	WS13 Natural	Brown Soil,Root	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32905, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	М	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	М	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/03/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification	U	Air dried sample	06/04/2021	280	Microscopy
Aqua regia extractable metals	М	Air dried sample	30/03/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32905, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
Ν	do not currently hold UKAS accreditation
٨	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
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.

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

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PCB congener results may include any coeluting PCBs

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Deviation Codes

Deviation	Codes
а	No date of sampling supplied
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Where a sa	ample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage



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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32907

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

Unit 1 & 2 Deltic Place

Deltic Way Liverpool

MerseysideL33 7BA

Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32907, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231976	WS16 Natural 0.60	23/03/2021	29/03/2021	Silty clayey loam	







Results Summary

Report No.: 21-32907, issue number 1

ELAB Reference	231976
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS16
Sample Depth (m)	0.60
Sampling Date	23/03/2021

		Sam	pling Date	23/03/2021
Determinand	Codes	Units	LOD	
Soil sample preparation para	meters			
Material removed	N	%	0.1	< 0.1
Description of Inert material removed	N		0	None
Metals	·			
Arsenic	M	mg/kg	1	11.9
Cadmium	М	mg/kg	0.5	< 0.5
Chromium	М	mg/kg	5	40.6
Copper	М	mg/kg	5	23.0
Lead	М	mg/kg	5	15.5
Mercury	M	mg/kg	0.5	< 0.5
Nickel	M	mg/kg	5	45.3
Selenium	M	mg/kg	1	< 1.0
Zinc	M	mg/kg	5	54.5
Inorganics				
Total Sulphide	N	mg/kg	2	< 2
Acid Soluble Sulphate (SO4)	U	%	0.02	< 0.02
Water Soluble Boron	N	mg/kg	0.5	< 0.5
Miscellaneous	•			
Fraction of Organic Carbon	N		0.0001	0.0026
pH	М	pH units	0.1	6.9
Polyaromatic hydrocarbons	·			
Naphthalene	M	mg/kg	0.1	< 0.1
Acenaphthylene	М	mg/kg	0.1	< 0.1
Acenaphthene	М	mg/kg	0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	< 0.1
Pyrene	M	mg/kg	0.1	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	< 0.4







Results Summary

Report No.: 21-32907, issue number 1

ELAB Reference	231976
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS16
Sample Depth (m)	0.60
Sampling Date	23/03/2021

		Sam	pling Date	23/03/2021
Determinand	Codes	Units	LOD	
TPH CWG				
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	1.1
>C16-C21 Aromatic	N	mg/kg	1	1.0
>C21-C35 Aromatic	N	mg/kg	1	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	2.1
Total Petroleum Hydrocarbons				
PAH Fingerprint	N	n/a	0	n/a
TPH Fingerprint	N	n/a	0	n/a



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Results Summary

Report No.: 21-32907, issue number 1

Asbestos Results

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Elab No Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
231976 0.60	WS16 Natural	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32907, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	М	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	М	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	31/03/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification	U	Air dried sample	06/04/2021	280	Microscopy
Aqua regia extractable metals	М	Air dried sample	30/03/2021	300	ICPMS

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Report Information

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U/S	Unsuitable sample
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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32909

Issue: 1

Date of Issue: 06/04/2021

Contact: Sam Parry

Customer Details: CC Geotechnical Ltd

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Quotation No: Q17-00806

Order No: Not Supplied

Customer Reference: CCG-C-21-12093

Date Received: 29/03/2021

Date Approved: 06/04/2021

Details: Cottam Parkway Station

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Mike Varley, Technical Manager

Approved by:

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Sample Summary

Report No.: 21-32909, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
231981	WS18 Natural 0.20	23/03/2021	29/03/2021	Silty loam	







Results Summary

Report No.: 21-32909, issue number 1

ELAB Reference	231981
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS18
Sample Depth (m)	0.20

		Sam	pling Date	23/03/2021
Determinand	Codes	Units	LOD	
Soil sample preparation parameter	ers			
Material removed	N	%	0.1	< 0.1
Description of Inert material removed	N		0	None
Metals				
Arsenic	М	mg/kg	1	8.8
Cadmium	М	mg/kg	0.5	< 0.5
Chromium	М	mg/kg	5	27.4
Copper	М	mg/kg	5	20.9
Lead	М	mg/kg	5	27.5
Mercury	M	mg/kg	0.5	< 0.5
Nickel	М	mg/kg	5	23.0
Selenium	M	mg/kg	1	< 1.0
Zinc	М	mg/kg	5	40.3
Inorganics				
Total Sulphide	N	mg/kg	2	< 2
Acid Soluble Sulphate (SO4)	U	%	0.02	0.03
Water Soluble Boron	N	mg/kg	0.5	< 0.5
Miscellaneous				
Fraction of Organic Carbon	N		0.0001	0.0117
рН	М	pH units	0.1	6.5
Polyaromatic hydrocarbons				
Naphthalene	М	mg/kg	0.1	< 0.1
Acenaphthylene	М	mg/kg	0.1	< 0.1
Acenaphthene	М	mg/kg	0.1	< 0.1
Fluorene	М	mg/kg	0.1	< 0.1
Phenanthrene	М	mg/kg	0.1	< 0.1
Anthracene	М	mg/kg	0.1	< 0.1
Fluoranthene	М	mg/kg	0.1	< 0.1
Pyrene	М	mg/kg	0.1	< 0.1
Benzo(a)anthracene	М	mg/kg	0.1	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1
Benzo(k)fluoranthene	М	mg/kg	0.1	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	< 0.4







Results Summary

Report No.: 21-32909, issue number 1

ELAB Reference	231981
Customer Reference	Natural
Sample ID	
Sample Type	SOIL
Sample Location	WS18
Sample Depth (m)	0.20
Sampling Date	23/03/2021

		Sam	ipling Date	23/03/2021
Determinand	Codes	Units	LOD	
TPH CWG				
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	1.3
>C12-C16 Aliphatic	N	mg/kg	1	2.1
>C16-C21 Aliphatic	N	mg/kg	1	1.4
>C21-C35 Aliphatic	N	mg/kg	1	3.1
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	7.9
Total Petroleum Hydrocarbons				
PAH Fingerprint	N	n/a	0	n/a
TPH Fingerprint	N	n/a	0	n/a



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Results Summary

Report No.: 21-32909, issue number 1

Asbestos Results

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Elab No Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
231981 0.20	WS18 Natural	Brown Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t







Method Summary Report No.: 21-32909, issue number 1

Parameter		Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	30/03/2021	109	Colorimetry
рН	М	Air dried sample	01/04/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	31/03/2021	115	Ion Chromatography
PAH (GC-FID)	М	As submitted sample	30/03/2021	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	31/03/2021	181	GC-MS
Water soluble boron	N	Air dried sample	30/03/2021	202	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	31/03/2021	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	01/04/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	30/03/2021	214	GC-FID
Asbestos identification	U	Air dried sample	06/04/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	30/03/2021	300	ICPMS

Tests marked N are not UKAS accredited







Report Information

Report No.: 21-32909, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
Ν	do not currently hold UKAS accreditation
٨	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
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 LOD means limit of discrimination.

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

- No date of sampling supplied а No time of sampling supplied (Waters Only) b С Sample not received in appropriate containers
- d Sample not received in cooled condition
- е The container has been incorrectly filled
- f Sample age exceeds stability time (sampling to receipt)
- Sample age exceeds stability time (sampling to analysis)

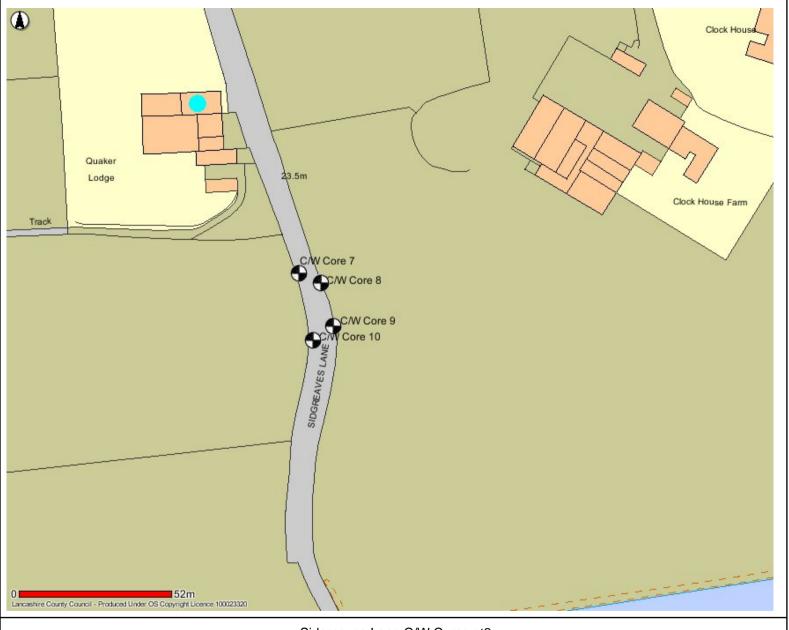
Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage

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Districts

Other District/Unitary Authority

Lancashire Districts

Sidgreaves Lane C/W Cores pt2



Date: 18/05/2015

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Centre of map: 349079:431751



Sidgreaves Lane/Lea Road core locations (E:348995, N:431940)



Date: 09/01/2019

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Centre of map: 349088:431875

Total
Core No 18
Depth (mm)

Carriageway Construction

Total Core No 22

Carriageway Construction

Road Name	Sidgreaves Lane	Cores		Car	riageway Inv	estination	and Rec	ommenda	tion Form		Sidgreaves Lane	Cores	
Core No 1	Carriageway Construction	Core No 5	Carriageway Construction	- Gui	nagoway mi	•	l Information			Core No 9	Carriageway Construction	Core No 13	Carriageway Construction
Depth (mm)		Depth (mm)	* *			General				Depth (mm)	<u> </u>	Depth (mm)	<u> </u>
20	SD onto AC6 dense surf	35	SD layers	Scheme ID No			Date:			30	SD layers		
15	SD layers	40	AC20 dense bin I/s	Recommended			No of Cores	1	10	15	AC10 close surf		
10 30	AC4 fine surf AC4 fine surf	5 35	SD AC20 dense bin I/s	Road Name:		aves Lane	Road No:			50 15	AC20 dense bin I/s -broken up AC10 close surf	1	
30	loose stones	25	SD lavers	Location From	1:		Location To:	C		25	old base		
	loose stories	50	old base perished	Direction(s):						25	loose stones		
		50	loose stones			Pocom	mendation				loose stories		
			loose stories	Typo	of Work:	Course		verlay					
				Surface Dressing	Micro Asphalt		0.	veriay					
Total	75	Total	190	Retexturing	Inlay	Surface				Total	135	Total	
Core No 2		Core No 6		Anti Skid	2 Layer Inlay					Core No 10		Core No 14	0 : 0 : "
Depth (mm)	Carriageway Construction	Depth (mm)	Carriageway Construction	Traffic Calming Machine Patching	Retread Overlay	Binder				Depth (mm)	Carriageway Construction	Depth (mm)	Carriageway Construction
35	SD layers	5	SD	Hand Lay Patching	2 Layer Overlay	Base				10	SD		
50	AC20 dense bin I/s	70	HRASC 14mm	Slurry Sealing Mesh Track	Reconstruction					10	SD		
20	SD layers	30	AC20 dense bin I/s	Mesh Track		Total				15	AC10 close surf		
20	AC4 fine surf	5	SD		6		urse Materia			10	AC10 close surf		
\vdash	clay and stones	45 25	AC20 dense bin I/s SD layers		Cemex:	Bardon:	Tarma		Hanson:	5 15	SD AC10 close surf		
		20	AC4 fine surf	AC 6 dense surf AC 10 close surf	Cl. 942 10 Cl. 942 14	Cl. 942 10 Cl. 942 14	□ a. 9	942 10	Cl. 942 10 Cl. 942 14	15			
		20	loose stones	AC 10 close surf	CI. 942 PMB 10	Cl. 942 PME			Cl. 942 PMB 10		loose stones		
			loose stories	SMA 6 surf	Cl. 942 PMB 14	Cl. 942 PME			Cl. 942 PMB 14				
Total	125	Total	200	SMA 10 surf	_	Superflex 1		sterlayer 10	Duraflex County 10	Total	65	Total	
Core No 3		Core No 7		SMA 14 surf		Superflex 1		sterlayer 14	Duraflex County 14	Core No 11		Core No 15	
Depth (mm)	Carriageway Construction	Depth (mm)	Carriageway Construction	SMA 20 surf SMA Fuel Resistant		Superflex 2 Hitex 14) Mas	sterlayer 20	Duraflex County 20	Depth (mm)	Carriageway Construction	Depth (mm)	Carriageway Construction
30	SD layers	10	SD layers	SMA Fuel Resistant									
40	AC20 dense bin I/s	45	AC10 close surf I/s	HRA 35/14F Surf 40									
5	SD	30	AC10 close surf h/s	HRA 55/10F Surf 40									
20	AC20 dense bin I/s	30	AC32 dense bin	HRA 0/2 Surf 100/1									
20	SD layers		MOT type 1 I/s										
85 35	AC32 dense base I/s old base			-									
35	loose stones				Pindor C	ourse Materia			Base Course Material:				
	loose stories			SMA 10 bin	AC 14 de		AC 20 HDM	l hin	AC 32 Dense Base				
Total	235	Total	115	SMA 14 bin	AC 20 der		AC 32 HDM		AC 32 Dense Base	Total		Total	
Core No 4		Core No 8		SMA 20 bin	AC 32 der				AC 32 Hort base	Core No 12		Core No 16	
Depth (mm)	Carriageway Construction	Depth (mm)	Carriageway Construction		-	Com	ments:		1	Depth (mm)	Carriageway Construction	Depth (mm)	Carriageway Construction
35	SD lavers	30	SD lavers		Lab san	nple numbers	15005109	- 15005118		/		/	
40	AC20 dense bin I/s	15	AC10 close surf			,							
30	SD		AC32 dense base - broken up										
				Signed:				Date:					
Total	105	Total	45	Oigilicu.				Date.		Total		Total	
Road Name		Cores											·
Core No 17	Carriageway Construction	Core No 21	Carriageway Construction										
Depth (mm)	Carriageway Constituction	Depth (mm)	Carriageway Construction										

1

Core No		Carriagouro: In	vootiaatie:	and Basamman	dation Form	Road Name	Sidgreaves Lane
Scheme ID No: PVID Extra Cores Date: 18/02/2019 2.5 ACCSC 10 (H) appear Recommended By: No of Cores: 2 15 Old material with s/d (Road Name: Sidgreaves Lane Road No: Loose large Location Tro: Location Tro: Location Tro: Location Tro: Location Tro: Location Tro:		arriageway in	vestigation	and Recommen	uation Form		Ç
Recommended By: No of Cores: 2 15 Old material with s/d (Road Name: Sidgreaves Lane Road No: Loose large Loose large Loose Loose			General	Information		Depth (mm)	Carriageway Construction
Road Name: Sidgreaves Lane	Scheme ID No:	PWD E	xtra Cores	Date:	18/02/2019	25	ACCSC 10 (H) appears slightly voided g.a.
Location From: Direction(s): Quaker Lodge & opp. The Beeches	Recommended B	By:		No of Cores:	2	15	Old material with s/d (potentially tar bound)
Direction(s):	Road Name:	Road Name: Sidgreaves Lane Road No:				Loose large stones (L)	
Preston	Location From:			Location To:			
Preston Preston	Direction(s):		Qı	uaker Lodge & opp. 7	The Beeches	40	TBC
Type of Work:	Direction(s).			Preston			
Reducting Intaly Surface Total 40 of Total 40			Recom	mendation			
Restuting	Type of	Work:	Course	Overlay			
Act Scale Core No X5 Carriageway			Surface				
Machine Pacting Overlay Base Surface Course With s/d 1/4 (L), ap Access of the solid pacting Carriageway Base Solid pacting Surface Course Material: 25 ACCSC with s/d 1/4 (L), ap Access of the solid pacting Carriageway Surface Course Material: 25 ACCSC with s/d 1/4 (L), ap Access of the solid pacting Carriageway Access of the solid pacting Carriageway Carriageway Carriageway Depth (mm) Dep						Total	40 mm
Machine Patching 2 Layer Overlay Base 35 ACCSC with s/d 14 (L) app Meth Track 50 ACCSC with s/d 14 (L) app Meth Track 50 ACCSC with s/d 14 (L) (p 50 ACCSC with s/d	Traffic Calming	Retread	Binder				Carriageway Construction
Surry Sealing	Machine Patching	Overlay					
Surface Course Material: 25			Base				ACCSC with s/d 10 (H) g.a.
Surface Course Material: 25 ACCSC with skild 10 (H) (processed for the course of		Reconstruction				50	ACCSC with s/d 14 (L) appears slightly voided g.a.
AC 6 dense surf	Mesh Track		Total			25	ACCSC with s/d 14 (L) (potentially tar bound) g.a.
AC 6 derive surf		_				25	ACCSC with s/d 10 (H) (potentially tar bound) g.a.
AC 10 dose surf		Cemex:	Bardon:	Tarmac:	Hanson:	75	ACBC 32 (L) (potentially tar bound) p.a.
AC 14 dose surf	_					15	ACDSC 6 (H) (potentially tar bound)
SMA 6 surf						85	Compacted stones (H) and clay with missing material
SMA 10 surf	_		· · · · · · · · · · · · · · · · · · ·	-	-		
SMA 14 surf	_	CI. 942 PMB 14	_		-	220	TBC
SMA 20 surf						Total	310 mm
SMA Fuel Resistant 10						Core No	
SMA Fuel Resistant 14					Surance county 25	Depth (mm)	Carriageway Construction
RRA 30/14F Surf 40/60						. , ,	
HRA 5/5/10F Surf 40/60 des							
RRA 0/2 Surf 100/150 (Bridge Deck)	_						
SMA 10 bin							
SMA 10 bin	HRA 0/2 Surf 100/150 (Bri	idge Deck)					
SMA 10 bin							
SMA 10 bin							
SMA 10 bin		Pindor Co	urco Matorial:	,	Page Course Material		
SMA 20 bin	SMA 10 bin			AC 20 HDM bin			
SMA 20 bin				AC 32 HDM bin	=	Total	
Comments: Depth (mm)	SMA 20 bin	AC 32 dens	e bin				
Date Cored: 18/02/2019 Core Reference X3 Sidgreaves Lane (Quaker Lodge) (LIMS No. 18016414)			_				Carriageway Construction
Core Reference X3 Sidgreaves Lane (Quaker Lodge) (LIMS No. 18016414)						Depth (min)	
	0-	Deference Vo. C.			IMC No. 400464441	+	
Core Reierence Ab Siggreaves Lane (opp. The Beeches) (LIMS No. 18016416)			-		· · · · · · · · · · · · · · · · · · ·	+	
	Core Re	elerence X5 Sidg	reaves Lane	(opp. The Beeches)	(LIIVIO NO. 18016416)	+	
						1	
						+	
						1	
Signed: lan Courte Date: Total	Signed:	lan Com	10.		Date:	Total	





Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- a) understand the origin of the waste
- b) select the correct List of Waste code(s)
- c) confirm that the list of determinands, results and sampling plan are fit for purpose
- d) select and justify the chosen metal species (Appendix B)
- e) correctly apply moisture correction and other available corrections
- f) add the meta data for their user-defined substances (Appendix A)
- g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

Job name

Cottam Parkway and car park

Description/Comments

Site **Project**

Classified by

Name:

Jean Walmsley

Date:

12 Jul 2021 10:14 GMT

Telephone: 01772 583 564?? Company:

Lancashire Highways Services Cuerden Way, Bamber Bridge, Preston, PR5

Hazardous Waste Classification

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

CERTIFIED

Date 11 Mar 2020

Next 3 year Refresher due by Mar 2023

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP01	0.5	Non Hazardous		2
2	TP02	1.5	Non Hazardous		4
3	TP03	0.4	Non Hazardous		6
4	TP06	0.25	Non Hazardous		8
5	WS04	0.7	Non Hazardous		10
6	WS05	0.2	Non Hazardous		12
7	WS06	1	Non Hazardous		14
8	WS07	0.2	Non Hazardous		16
9	WS08	0.1	Non Hazardous		18
10	WS12	0.2	Non Hazardous		20
11	WS13	0.1	Non Hazardous		22
12	WS16	0.6	Non Hazardous		24
13	WS18	0.2	Non Hazardous		26

Related documents

# Name	Description
1 Standard Totals and HCs	waste stream template used to create this Job

Report

Created by: Jean Walmsley Created date: 12 Jul 2021 10:14 GMT

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	28
Appendix B: Rationale for selection of metal species	29
Appendix C: Version	29



17: Construction and Demolition Wastes (including excavated soil

Classification of sample: TP01

Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Sample details

LoW Code: Sample name:

TP01 Chapter: Sample Depth:

17 05 04 (Soil and stones other than those mentioned in 17 05 0.5 m Entry:

03)

from contaminated sites)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered	data	Conv. Factor	Compound o	conc.	Classification value	MC Applied	Conc. Not Used
1	ď		ioxide } 215-481-4	1327-53-3		8.3	mg/kg	1.32	10.959	mg/kg	0.0011 %		
2	4		10294-33-4,			<0.5	mg/kg	13.43	<6.715	mg/kg	<0.000672 %		<lod< th=""></lod<>
3	æ2	cadmium { cadmiur	<mark>m sulfide</mark> }	10294-34-5, 7637-07-2	1	<0.5	ma/ka	1.285	<0.643	ma/ka	<0.00005 %		<lod< th=""></lod<>
ب	Ľ	048-010-00-4	215-147-8	1306-23-6	Ľ	V0.0	ilig/kg	1.203	<u> </u>	mg/kg	<0.00003 /a		\LOD
4	æ	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				40.2	mg/kg	1.462	58.755	mg/kg	0.00588 %		
5	4	copper { dicopper o				5	mg/kg	1.126	5.629	mg/kg	0.000563 %		
6	4	lead { lead chromated 100	te } 231-846-0	7758-97-6	1	5	mg/kg	1.56	7.799	mg/kg	0.0005 %		
7	æ	mercury { mercury 080-010-00-X	dichloride } 231-299-8	7487-94-7		0.5	mg/kg	1.353	0.677	mg/kg	0.0000677 %		
8	4	028-008-00-X	droxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		5	mg/kg	1.579	7.897	mg/kg	0.00079 %		
9	4		m compounds with t lenide and those sp			5	mg/kg	1.405	7.025	mg/kg	0.000703 %		
10	æ	zinc { zinc chromat	<mark>e</mark> } 236-878-9	13530-65-9		1	mg/kg	2.774	2.774	mg/kg	0.000277 %		
11	0	pH	200 070 0	PH		8.36	рН		8.36	рН	8.36 pH		
12	0	TPH (C6 to C40) pe	etroleum group	ТРН		<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
13	0	acenaphthene	201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
14	0				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>	
15	0	anthracene	204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	ed data	Conv. Factor	Compound	conc.	Classification value	App	Conc. Not Used
					<u></u>							MC	
16		benzo[a]anthracene 601-033-00-9 200-280-6 56-55-3		-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>	
_		benzo[a]pyrene; be		56-55-3	-								
17			200-028-5	50-32-8	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
					-							Н	
18	benzo[b]fluoranthene			-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>	
			205-911-9	205-99-2	-								
19	0	benzo[ghi]perylene	205 000 0	104.04.0	-	<0.1	mg/kg		<0.1	<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
			205-883-8	191-24-2	-								
20		benzo[k]fluoranthen		007.00		<0.1 mg/kg			<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
			205-916-6	207-08-9	-								
21		chrysene	205 000 4	040.04.0		<0.1 mg/kg			<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		601-048-00-0 205-923-4 218-01-9		-									
22		dibenz[a,h]anthrace		I=0 =0 0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
			200-181-8	53-70-3	_								
23	Θ	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		1	205-912-4	206-44-0	_								
24	0	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
			201-695-5	86-73-7									
25	0	indeno[123-cd]pyre				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
			205-893-2	193-39-5	_								
26		naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
			202-049-5	91-20-3	_								
27	0	phenanthrene				<0.1 mg/kg			<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
			201-581-5	85-01-8									
28	0	pyrene				<0.1	mg/kg		<0.1	ma/ka	ng/kg <0.00001 %		<lod< td=""></lod<>
Ĺ		204-927-3 129-00-0				-	J. 19						
										Total:	0.0109 %		

1	1		
r	(6	ے(د	

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected

CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP02

Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Entry:

Sample details

Sample name: LoW Code:

TP02 Chapter: Sample Depth:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

1.5 m

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	æ\$		ioxide } 215-481-4	1327-53-3		10.9 mg/kg	1.32	14.392 mg/kg	0.00144 %		
2	4					<0.5 mg/kg	13.43	<6.715 mg/kg	<0.000672 %		<lod< th=""></lod<>
3	*	cadmium { cadmiur 048-010-00-4	<mark>m sulfide</mark> } 215-147-8	1306-23-6	1	<0.5 mg/kg	1.285	<0.643 mg/kg	<0.00005 %		<lod< td=""></lod<>
4	4					37 mg/kg	1.462	54.078 mg/kg	0.00541 %		
5	æ\$		oxide; copper (I) oxide; 215-270-7	de }		21.2 mg/kg	1.126	23.869 mg/kg	0.00239 %		
6	æ\$	lead { lead chromate 082-004-00-2	<mark>te</mark> } 231-846-0	7758-97-6	1	12.8 mg/kg	1.56	19.966 mg/kg	0.00128 %		
7	*	mercury { mercury	dichloride } 231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	4	nickel { nickel dihyd	l.	12054-48-7 [1] 11113-74-9 [2]		40.4 mg/kg	1.579	63.812 mg/kg	0.00638 %		
9	4		m compounds with t lenide and those sp			<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<lod< td=""></lod<>
10	æ\$	zinc { zinc chromate	e } 236-878-9	13530-65-9		52.1 mg/kg	2.774	144.533 mg/kg	0.0145 %		
11	0	pH	200-010-3			8.1 pH		8.1 pH	8.1 pH		
12	0	TPH (C6 to C40) pe	etroleum group	PH		<1 mg/kg		<1 mg/kg	<0.0001 %		<lod< td=""></lod<>
13	9	acenaphthene	201-469-6	TPH 83-32-9		<0.1 mg/kg			<0.00001 %		<lod< td=""></lod<>
14	0	acenaphthylene	205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
15	0	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound c	onc.	Classification value	MC Applied	Conc. Not Used
16		benzo[a]anthracene		,	Ī	<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< th=""></lod<>
		601-033-00-9	200-280-6	56-55-3						3 3			
17		benzo[a]pyrene; be	nzo[def]chrysene			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
Ĺ.,		601-032-00-3	200-028-5	50-32-8		1011							
18		benzo[b]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-034-00-4	205-911-9	205-99-2		VO.1	mg/kg		70.1	mg/kg	V0.00001 70		\LOD
19	0	penzo[ghi]perylene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
19			205-883-8	191-24-2		<0.1	mg/kg		ζ0.1	ilig/kg	<0.00001 /6		\LOD
20		benzo[k]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-036-00-5	205-916-6	207-08-9									
21		chrysene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-048-00-0	205-923-4	218-01-9			9/119			9/119			
22		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-041-00-2	200-181-8	53-70-3		VO.1	mg/kg		1011 1119/	mg/kg	9 10.00001 70		\LOD
23	0	fluoranthene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
20			205-912-4	206-44-0		VO.1	mg/kg		40.1	mg/kg	<0.00001 70		\L0D
24	0	fluorene				<0.1	mg/kg		<0.1 ma/ka	<0.00001 %		<lod< td=""></lod<>	
24			201-695-5	86-73-7		<0.1	mg/kg		ζ0.1	mg/kg	<0.00001 /6		\LOD
25	0	indeno[123-cd]pyre	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
23			205-893-2	193-39-5	1	ζ0.1	mg/kg		ζυ.1	mg/kg	CO.00001 /6		LOD
26		naphthalene				<0.1	ma/ka		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
20		601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	CU.00001 76		<lud< td=""></lud<>
27	0	phenanthrene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
			201-581-5	85-01-8	L	VO. 1	mg/kg		70.1	mg/kg	C0.00001 /0		\LUD
28	0	pyrene	yrene			<0.1	mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>	
			204-927-3	129-00-0									
										Total:	0.0325 %		

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User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected

CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: TP03

Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Entry:

Sample details

Sample name: LoW Code:

TP03 Chapter: Sample Depth:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

0.4 m

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered d	lata	Conv. Factor	Compound co	onc.	Classification value	MC Applied	Conc. Not Used
1	4		oxide } 215-481-4	1327-53-3		10.7 n	ng/kg	1.32	14.127	mg/kg	0.00141 %		
2	4			1		<0.5 n	ng/kg	13.43	<6.715	mg/kg	<0.000672 %		<lod< th=""></lod<>
3	4		•	1306-23-6	1	<0.5 r	ng/kg	1.285	<0.643	mg/kg	<0.00005 %		<lod< td=""></lod<>
4	æ	chromium in chromioxide (worst case)		chromium(III)		42.1 r	ng/kg	1.462	61.531	mg/kg	0.00615 %		
5	4	copper { dicopper o	xide; copper (I) oxid			17.1 n	ng/kg	1.126	19.253	mg/kg	0.00193 %		
6	4	lead { lead chromat 082-004-00-2		7758-97-6	1	14.6 r	ng/kg	1.56	22.773	mg/kg	0.00146 %		
7	4	mercury { mercury o		7487-94-7		<0.5 r	ng/kg	1.353	<0.677	mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	æ	028-008-00-X	roxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		35.4 r	ng/kg	1.579	55.914	mg/kg	0.00559 %		
9	æ	selenium { selenium cadmium sulphosel in this Annex }				<1 r	ng/kg	1.405	<1.405	mg/kg	<0.000141 %		<lod< td=""></lod<>
10	4	zinc { zinc chromate 024-007-00-3) } 236-878-9	13530-65-9		52.8 r	ng/kg	2.774	146.475	mg/kg	0.0146 %		
11	0	рН		PH		7.7 p	Н		7.7	pН	7.7 pH		
12	0	TPH (C6 to C40) pe	etroleum group	ТРН		<1 n	ng/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
13	0	acenaphthene		83-32-9		<0.1 r	ng/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
14	9	acenaphthylene	205-917-1	208-96-8		<0.1 r	ng/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
15	0	anthracene	204-371-1	120-12-7		<0.1 r	ng/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	ed data	Conv. Factor	Compound or	onc.	Classification value	MC Applied	Conc. Not Used
16		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< th=""></lod<>
			200-280-6	56-55-3									
17		benzo[a]pyrene; be				<0.1	mg/kg		<0.1	<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
		601-032-00-3	200-028-5	50-32-8						J J			
18		benzo[b]fluoranthene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-034-00-4	205-911-9	205-99-2						9,9			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
19	0	penzo[ghi]perylene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
			205-883-8	191-24-2		40.1				mg/ng	40.00001 70		1202
20		benzo[k]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-036-00-5	205-916-6	207-08-9		40.1				mg/ng			1205
21		chrysene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
21		601-048-00-0	205-923-4	218-01-9		VO.1	mg/kg		VO.1	mg/kg	<0.00001 70		\LOD
22		dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-041-00-2	200-181-8	53-70-3		<0.1			νο. τ	mg/kg	0.00001 /8		\LOD
23	0	fluoranthene			П	<0.1	ma/ka		-0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
23			205-912-4	206-44-0		VO.1	mg/kg		<0.1	mg/kg	<0.00001 /6		\LOD
24	0	fluorene							<0.1	m a /l.a	<0.00001 %		<lod< td=""></lod<>
24			201-695-5	86-73-7	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
25	0	indeno[123-cd]pyre	ne			.0.1			-0.4	ma or /1 c =:	-0.00004.0/		.1.00
25			205-893-2	193-39-5	1	<0.1	mg/kg		<0.1	ing/kg	<0.00001 %		<lod< td=""></lod<>
00		naphthalene				0.4	()		0.4	/1	0.00004.0/		1.00
26		601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
07	0	phenanthrene			T	0.4			0.4		0.00004.0/		
27			201-581-5	85-01-8	1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
00	0	pyrene				0.4	()		<0.1 mg/kg	0.00004.0/		1.00	
28			204-927-3	129-00-0	1	<0.1 m	mg/kg			mg/kg	<0.00001 %		<lod< td=""></lod<>
								Total:	0.0324 %	Т			

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User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected

CLP: Note 1 Only the metal concentration has been used for classification



17: Construction and Demolition Wastes (including excavated soil

Classification of sample: TP06

Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Sample details

LoW Code: Sample name:

TP06 Chapter: Sample Depth: 0.25 m

from contaminated sites) 17 05 04 (Soil and stones other than those mentioned in 17 05 Entry:

03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered da	ata	Conv. Factor	Compound co	nc.	Classification value	MC Applied	Conc. Not Used
1	4		oxide } 215-481-4	1327-53-3		12.1 m	ng/kg	1.32	15.976	mg/kg	0.0016 %		
2	4					<0.5 m	ng/kg	13.43	<6.715 ı	mg/kg	<0.000672 %		<lod< th=""></lod<>
3	4	cadmium { cadmiun 048-010-00-4	•	1306-23-6	1	<0.5 m	ng/kg	1.285	<0.643	mg/kg	<0.00005 %		<lod< td=""></lod<>
4	æ					27.8 m	ng/kg	1.462	40.631 ı	mg/kg	0.00406 %		
5	4	copper { dicopper o	xide; copper (I) oxid			28.9 m	ng/kg	1.126	32.538	mg/kg	0.00325 %		
6	4	lead { lead chromat 082-004-00-2		7758-97-6	1	41.6 m	ng/kg	1.56	64.888	mg/kg	0.00416 %		
7	4	mercury { mercury o		7487-94-7		<0.5 m	ng/kg	1.353	<0.677	mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	æ		roxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		21.1 m	ng/kg	1.579	33.327	mg/kg	0.00333 %		
9	æ	selenium { selenium cadmium sulphosel in this Annex }				<1 m	ng/kg	1.405	<1.405	mg/kg	<0.000141 %		<lod< td=""></lod<>
10	4	zinc { zinc chromate 024-007-00-3	9 } 236-878-9	13530-65-9		72.6 m	ng/kg	2.774	201.403	mg/kg	0.0201 %		
11	0	pH		PH		6.3 pl	Н		6.3	рН	6.3 pH		
12	0	TPH (C6 to C40) pe	etroleum group	ТРН		<1 m	ng/kg		<1 ı	mg/kg	<0.0001 %		<lod< td=""></lod<>
13	0	acenaphthene		83-32-9		<0.1 m	ng/kg		<0.1 ı	mg/kg	<0.00001 %		<lod< td=""></lod<>
14	9	acenaphthylene	205-917-1	208-96-8		<0.1 m	ng/kg		<0.1 ı	mg/kg	<0.00001 %		<lod< td=""></lod<>
15	0	anthracene	204-371-1	120-12-7		<0.1 m	ng/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>





_										
#		Determinand CLP index number	umber	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16		benzo[a]anthracene 601-033-00-9 200-280-6 56-55-3			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< th=""></lod<>
_									Н	
17		benzo[a]pyrene; benzo[def]chrysene			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
_		601-032-00-3 200-028-5 50-32-8 benzo[b]fluoranthene							Н	
18					<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
									Н	
19	0	benzo[ghi]perylene 205-883-8 191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
20		benzo[k]fluoranthene			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
		601-036-00-5 205-916-6 207-08-9								
21		chrysene 601-048-00-0 205-923-4 218-01-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
		dibenz[a,h]anthracene							Н	
22		601-041-00-2 200-181-8 53-70-3			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
		fluoranthene							Н	
23		205-912-4 206-44-0			0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	0	fluorene			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
24		201-695-5 86-73-7			<0.1 111g/kg		<0.1 111g/kg	<0.00001 / ₈		<lod< td=""></lod<>
25	0	indeno[123-cd]pyrene			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
		205-893-2 193-39-5			1011g/ng			10.00001 70		
26		naphthalene			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< th=""></lod<>
_		601-052-00-2 202-049-5 91-20-3			g,r.g				Ц	
27	0	phenanthrene			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
		201-581-5 85-01-8							Н	
28	0	pyrene			0.1 mg/kg		0.1 mg/kg	0.00001 %		
	_	120 00 0	l				Total:	0.0377 %	Н	

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User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected

CLP: Note 1 Only the metal concentration has been used for classification



Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Sample details

LoW Code: Sample name: WS04 Chapter: Sample Depth:

0.7 m Entry:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered data		Conv.	Compound o	onc.	Classification value	MC Applied	Conc. Not Used
1	æ\$		oxide } 215-481-4	1327-53-3		16.3 mg/k	g 1	1.32	21.521	mg/kg	0.00215 %		
2	4					<0.5 mg/k	(g 1	3.43	<6.715	mg/kg	<0.000672 %		<lod< th=""></lod<>
3	e#	cadmium { cadmiur	<mark>n sulfide</mark> } 215-147-8	1306-23-6	1	<0.5 mg/k	g 1	.285	<0.643	mg/kg	<0.00005 %		<lod< td=""></lod<>
4	4	chromium in chrom	ium(III) compounds			19.1 mg/k	g 1	.462	27.916	mg/kg	0.00279 %		
5	4	copper { dicopper c				9.5 mg/k	g 1	.126	10.696	mg/kg	0.00107 %		
6	4	lead { lead chromate 082-004-00-2	te } 231-846-0	7758-97-6	1	12.3 mg/k	g 1	1.56	19.186	mg/kg	0.00123 %		
7	æ\$	mercury { mercury	dichloride } 231-299-8	7487-94-7		<0.5 mg/k	g 1	.353	<0.677	mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	æ	028-008-00-X	lroxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		20.6 mg/k	g 1	.579	32.538	mg/kg	0.00325 %		
9	4	selenium { selenium cadmium sulphosel in this Annex }	n compounds with t lenide and those sp			1.9 mg/k	g 1	.405	2.669	mg/kg	0.000267 %		
10	æ G	zinc { zinc chromate	e } 236-878-9	13530-65-9		51.3 mg/k	g 2	2.774	142.314	mg/kg	0.0142 %		
11	0	pH		PH		8.3 pH			8.3	рН	8.3 pH		
12	0	TPH (C6 to C40) po	etroleum group	I.		<1 mg/k	g		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
13	0	acenaphthene	201-469-6	TPH 83-32-9		<0.1 mg/k	g		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
14	9	acenaphthylene	205-917-1	208-96-8		<0.1 mg/k	g		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
15	0	anthracene	204-371-1	120-12-7		<0.1 mg/k	g		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	ed data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
		benzo[a]anthracene	<u> </u>		<u></u>							Σ	
16			200-280-6	56-55-3	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		benzo[a]pyrene; be		50-55-5									
17		L 21 7	200-028-5	50-32-8	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		benzo[b]fluoranther		00 02 0	\vdash								
18			205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
	0	benzo[ghi]perylene		200 00 2									
19		,	205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
20		benzo[k]fluoranthen	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
20		601-036-00-5	205-916-6	207-08-9		VO.1	mg/kg		70.1	mg/kg	<0.00001 /b		\LOD
21		chrysene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
21		601-048-00-0	205-923-4	218-01-9		νο.1	mg/kg		70.1	mg/kg	V0.00001 70		LOD
22		dibenz[a,h]anthrace				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-041-00-2	200-181-8	53-70-3					70.1	9/119			
23	0	fluoranthene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		2	205-912-4	206-44-0						9/9			,
24	0	fluorene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		2	201-695-5	86-73-7		,,,,,			1011	9/9			,
25	0	indeno[123-cd]pyre	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		1	205-893-2	193-39-5									
26		naphthalene				<0.1	mg/kg		<0.1	mg/ka	<0.00001 %		<lod< td=""></lod<>
		1	202-049-5	91-20-3									
27	0	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		1	201-581-5	85-01-8									
28	0	pyrene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>	
_		204-927-3 129-00-0							Total	0.026.8/			
										Total:	0.026 %		

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Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected





Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Sample details

Sample Depth:

Sample name: LoW Code: WS05 Chapter:

0.2 m Entry:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)17 05 04 (Soil and stones other than those mentioned in 17 05

03)

Hazard properties

None identified

Determinands

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered	l data	Conv. Factor	Compound c	onc.	Classification value	MC Applied	Conc. Not Used
1	4		oxide } 215-481-4	1327-53-3		10.1	mg/kg	1.32	13.335	mg/kg	0.00133 %		
2	4					0.7	mg/kg	13.43	9.401	mg/kg	0.00094 %		
3	4	cadmium { cadmium	•	1306-23-6	1	<0.5	mg/kg	1.285	<0.643	mg/kg	<0.00005 %		<lod< td=""></lod<>
4	æ	chromium in chrom oxide (worst case)		{ • chromium(III)		27.8	mg/kg	1.462	40.631	mg/kg	0.00406 %		
5	4	copper { dicopper o	xide; copper (I) oxid			53.2	mg/kg	1.126	59.897	mg/kg	0.00599 %		
6	æ		•	7758-97-6	1	57.4	mg/kg	1.56	89.533	mg/kg	0.00574 %		
7	4	mercury { mercury 080-010-00-X		7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	4		roxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		21.4	mg/kg	1.579	33.801	mg/kg	0.00338 %		
9	4	selenium { selenium cadmium sulphosel in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<lod< td=""></lod<>
10	4	zinc { zinc chromate 024-007-00-3) } 236-878-9	13530-65-9		108	mg/kg	2.774	299.608	mg/kg	0.03 %		
11	0	pH		PH		5.8	рН		5.8	рН	5.8 pH		
12	0	TPH (C6 to C40) pe	etroleum group	ТРН		<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
13	9	acenaphthene		83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
14	9	acenaphthylene	205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
15	9	anthracene		120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	P Note	User entere	ed data	Conv. Factor	Compound	conc.	Classification value	App	Conc. Not Used
				OAS Number	CLP							MC	
16		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
			200-280-6	56-55-3									
17		benzo[a]pyrene; be	,			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
			200-028-5	50-32-8	_								
18		benzo[b]fluoranther				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-034-00-4	205-911-9	205-99-2									
19	0	benzo[ghi]perylene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		í	205-883-8	191-24-2						9/9			,
20		benzo[k]fluoranthen	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-036-00-5	205-916-6	207-08-9						9/9			,
21		chrysene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
_ '		601-048-00-0	-048-00-0 205-923-4 218-01-9			νο.1	mg/kg		70.1	mg/kg	V0.00001 70		LOD
22		dibenz[a,h]anthrace	enz[a,h]anthracene			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
22		601-041-00-2	200-181-8	53-70-3		VO.1	mg/kg		ζ0.1	mg/kg	<0.00001 /b		LOD
23	0	fluoranthene		*		0.1	mg/kg		0.1	mg/kg	0.00001 %		
23			205-912-4	206-44-0		0.1	mg/kg		0.1	mg/kg	0.00001 /6		
24	0	fluorene		*		<0.1			<0.1		<0.00001 %		<lod< td=""></lod<>
24			201-695-5	86-73-7	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
25	0	indeno[123-cd]pyre	ne			0.4			0.4	//	0.00004.0/		1.00
25			205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
00		naphthalene				0.4	()		0.4	(1	0.00004.0/		1.00
26		601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
07	0	phenanthrene				0.4	()		0.4	(1	0.00004.0/		1.00
27			201-581-5	85-01-8	1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
00	0	pyrene		T	0.4	,,		0.4		0.00004.0/			
28		204-927-3 129-00-0		1	0.1	mg/kg		0.1	mg/kg	0.00001 %			
		204-921-3 129-00-0		_					Total:	0.0519 %	Т		

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Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected



Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Sample details

Sample name: LoW Code: WS06 Chapter: Sample Depth:

1 m Entry:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered	data	Conv. Factor	Compound co	onc.	Classification value	MC Applied	Conc. Not Used
1	4		oxide } 215-481-4	1327-53-3		13.8	mg/kg	1.32	18.22	mg/kg	0.00182 %		
2	4					<0.5	mg/kg	13.43	<6.715	mg/kg	<0.000672 %		<lod< th=""></lod<>
3	4	cadmium { cadmiun 048-010-00-4	<mark>n sulfide</mark> } 215-147-8	1306-23-6	1	<0.5	mg/kg	1.285	<0.643	mg/kg	<0.00005 %		<lod< td=""></lod<>
4	æ	chromium in chromioxide (worst case)		{ • chromium(III)		30.6	mg/kg	1.462	44.724	mg/kg	0.00447 %		
5	4	copper { dicopper o	xide; copper (I) oxid			19.5	mg/kg	1.126	21.955	mg/kg	0.0022 %		
6	4	lead { lead chromat 082-004-00-2		7758-97-6	1	13.7	mg/kg	1.56	21.369	mg/kg	0.00137 %		
7	4	mercury (mercury o		7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	4		roxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		34.6	mg/kg	1.579	54.651	mg/kg	0.00547 %		
9	4	selenium { selenium cadmium sulphosel in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<lod< td=""></lod<>
10	æ\$	zinc { zinc chromate 024-007-00-3	9 } 236-878-9	13530-65-9		54.6	mg/kg	2.774	151.468	mg/kg	0.0151 %		
11	0	рН		PH		8	рН		8	рН	8pH	Ì	
12	0	TPH (C6 to C40) pe	etroleum group	ТРН		4.6	mg/kg		4.6	mg/kg	0.00046 %		
13	0	acenaphthene		83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
14	0	acenaphthylene	205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
15	0	anthracene	204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	ed data	Conv. Factor	Compound co	onc.	Classification value	MC Applied	Conc. Not Used
16		benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< th=""></lod<>
			200-280-6	56-55-3									
17		benzo[a]pyrene; be				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-032-00-3	200-028-5	50-32-8									
18		benzo[b]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-034-00-4	205-911-9	205-99-2						9/11.9			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
19	0	benzo[ghi]perylene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
			205-883-8	191-24-2		40.1				mg/ng	40.00001 70		1202
20		benzo[k]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-036-00-5	205-916-6	207-08-9						9/119			
21		chrysene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
21		601-048-00-0	205-923-4	218-01-9		VO.1	mg/kg		VO.1	mg/kg	<0.00001 70		\LOD
22		dibenz[a,h]anthrace	-048-00-0 205-923-4 218-01-9 penz[a,h]anthracene			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
22		601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		V 0.1	ilig/kg	<0.00001 /6		\LOD
23	0	fluoranthene		•		<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
23			205-912-4	206-44-0		<0.1	ilig/kg		ζ0.1	ilig/kg	<0.00001 /6		\LOD
24	0	fluorene				<0.1			<0.1		<0.00001 %		<lod< td=""></lod<>
24			201-695-5	86-73-7	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
25	0	indeno[123-cd]pyre	ne			.0.1			-0.1	m m // c =	-0.00004.0/		.1.00
25			205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
00		naphthalene				0.4	()		0.4	/1 -	0.00004.0/		1.00
26		601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
07	0	phenanthrene			T	0.4			0.4	"	0.00004.0/		
27			201-581-5	85-01-8	1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
28	0	pyrene		İ	<0.1			<0.1		-0.00004.0/		<lod< td=""></lod<>	
28			204-927-3	129-00-0		<0.1	mg/kg		<0.1	nig/kg	<0.00001 %		<lud< td=""></lud<>
		204-321-3							Total:	0.032 %			

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because No liquid phase product was observed in the sample

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00046%)





Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Entry:

Sample details

Sample name: LoW Code:

WS07 Chapter: Sample Depth:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

0.2 m

Determinands

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered	l data	Conv. Factor	Compound o	onc.	Classification value	MC Applied	Conc. Not Used
1	æ.		oxide } 215-481-4	1327-53-3		8.4	mg/kg	1.32	11.091	mg/kg	0.00111 %		
2	4					<0.5	mg/kg	13.43	<6.715	mg/kg	<0.000672 %		<lod< th=""></lod<>
3	4	cadmium { cadmium	<mark>n sulfide</mark> } 215-147-8	1306-23-6	1	<0.5	mg/kg	1.285	<0.643	mg/kg	<0.00005 %		<lod< td=""></lod<>
4	æ	chromium in chromioxide (worst case)		{ • chromium(III)		29.8	mg/kg	1.462	43.554	mg/kg	0.00436 %		
5	4	copper { dicopper o	xide; copper (I) oxid			16.8	mg/kg	1.126	18.915	mg/kg	0.00189 %		
6	4	lead { lead chromat 082-004-00-2		7758-97-6	1	31.3	mg/kg	1.56	48.822	mg/kg	0.00313 %		
7	4	mercury (mercury o		7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	4		roxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		26.3	mg/kg	1.579	41.541	mg/kg	0.00415 %		
9	4	selenium { selenium cadmium sulphosel in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<lod< td=""></lod<>
10	æ\$	zinc { zinc chromate 024-007-00-3	9 } 236-878-9	13530-65-9		47.9	mg/kg	2.774	132.882	mg/kg	0.0133 %		
11	9	рН		PH		6.6	рН		6.6	рН	6.6 pH		
12	0	TPH (C6 to C40) pe	etroleum group	ТРН		<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
13	9	acenaphthene		83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
14	9	acenaphthylene	205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
15	0	anthracene	204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
		benzo[a]anthracene			<u></u>							Σ	
16			200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		benzo[a]pyrene; be		30-33-3	┢								
17			200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
_		benzo[b]fluoranther		30-32-6	-								
18			205-911-9	205-99-2	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		benzo[ghi]perylene		203-99-2	-	-						Н	
19	0		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
20		benzo[k]fluoranthen		[141-1-		<0.1	mg/kg		<0.1	malka	<0.00001 %	П	<lod< td=""></lod<>
20		601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		\ \LUD
21		chrysene				<0.1			<0.1	700 cm /1 cm	<0.00001 %		<lod< td=""></lod<>
2		601-048-00-0	205-923-4	218-01-9	1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
22		dibenz[a,h]anthrace				<0.1			<0.1	700 cm /1 cm	<0.00001 %		<lod< td=""></lod<>
22		601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
23	8	fluoranthene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
23			205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
24	8	fluorene				<0.1			<0.1	70 a /lea	<0.00001 %		<lod< td=""></lod<>
24			201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
25	0	indeno[123-cd]pyre	ne			<0.1			<0.1	70 a /lea	<0.00001 %		<lod< td=""></lod<>
25			205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
26		naphthalene				<0.1	malle		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
20		601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001%		<lud< td=""></lud<>
27	0	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
			201-581-5	85-01-8	L	ζ0.1	mg/kg		ζ0.1	mg/kg	C0.00001 /6		LOD
28	0	pyrene			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>	
L		204-927-3 129-00-0											
										Total:	0.0291 %		

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Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected



Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Entry:

Sample details

Sample name: LoW Code: WS08 Chapter: Sample Depth:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

0.1 m

Determinands

#		Determinand CLP index number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	-	arsenic { arsenic trioxide } 033-003-00-0		11.2 mg/kg	1.32	14.788 mg/kg	0.00148 %		
2	₫	boron { boron tribromide/trichloride/trifluoride (combined) }		<0.5 mg/kg	13.43	<6.715 mg/kg	<0.000672 %		<lod< td=""></lod<>
3	4	cadmium {	1	<0.5 mg/kg	1.285	<0.643 mg/kg	<0.00005 %		<lod< td=""></lod<>
4	4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		28.2 mg/kg	1.462	41.216 mg/kg	0.00412 %		
5	~			37 mg/kg	1.126	41.658 mg/kg	0.00417 %		
6	4	lead { lead chromate } 082-004-00-2 231-846-0 7758-97-6	1	33.9 mg/kg	1.56	52.878 mg/kg	0.00339 %		
7		mercury { mercury dichloride } 080-010-00-X		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	4	nickel { nickel dihydroxide } 028-008-00-X		24.7 mg/kg	1.579	39.014 mg/kg	0.0039 %		
9	*	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }		<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<lod< td=""></lod<>
10		zinc { zinc chromate } 024-007-00-3		58.5 mg/kg	2.774	162.288 mg/kg	0.0162 %		
11	0	рН		6.5 pH		6.5 pH	6.5 pH		
12	0	TPH (C6 to C40) petroleum group		<1 mg/kg		<1 mg/kg	<0.0001 %		<lod< td=""></lod<>
13	0	acenaphthene TPH		<0.1 mg/kg		<0.1 mg/kg			<lod< td=""></lod<>
14	0	201-469-6 83-32-9 acenaphthylene		<0.1 mg/kg		<0.1 mg/kg			<lod< td=""></lod<>
15	9	205-917-1 208-96-8 anthracene		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
		204-371-1 120-12-7							





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#		Determinand CLP index number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
16		benzo[a]anthracene 601-033-00-9 200-280-6 56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< th=""></lod<>
<u> -</u>		benzo[a]pyrene; benzo[def]chrysene				0.1		H	
17		601-032-00-3 200-028-5 50-32-8	-	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
18		benzo[b]fluoranthene 601-034-00-4 205-911-9 205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
19	0	benzo[ghi]perylene 205-883-8 191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
20		benzo[k]fluoranthene 601-036-00-5 205-916-6 207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
21		chrysene 601-048-00-0 205-923-4 218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
22		dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
23	9	fluoranthene 205-912-4 206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	0	fluorene 201-695-5 86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
25	0	indeno[123-cd]pyrene 193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
26		naphthalene 601-052-00-2 202-049-5 91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
27	0	phenanthrene 201-581-5 85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
28	0	pyrene 204-927-3 129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
		F3 : 32 : 3				Total:	0.0345 %	М	

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Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected



Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Entry:

Sample details

Sample name: LoW Code:

WS12 Chapter: Sample Depth:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)17 05 04 (Soil and stones other than those mentioned in 17 05

03)

Hazard properties

None identified

0.2 m

Determinands

#		Determinand CLP index number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	-	arsenic { arsenic trioxide } 033-003-00-0		13 mg/kg	1.32	17.164 mg/kg	0.00172 %		
2	*	boron { boron tribromide/trichloride/trifluoride (combined) }		0.6 mg/kg	13.43	8.058 mg/kg	0.000806 %		
3	4	cadmium {	1	<0.5 mg/kg	1.285	<0.643 mg/kg	<0.00005 %		<lod< td=""></lod<>
4	4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		31.8 mg/kg	1.462	46.477 mg/kg	0.00465 %		
5	~	copper { dicopper oxide; copper (I) oxide } 029-002-00-X		35.8 mg/kg	1.126	40.307 mg/kg	0.00403 %		
6	4	lead { lead chromate } 082-004-00-2 231-846-0 7758-97-6	1	54.4 mg/kg	1.56	84.854 mg/kg	0.00544 %		
7		mercury { mercury dichloride } 080-010-00-X 231-299-8		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	4	nickel { nickel dihydroxide } 028-008-00-X		26.9 mg/kg	1.579	42.489 mg/kg	0.00425 %		
9	4	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }		<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<lod< td=""></lod<>
10		zinc { zinc chromate } 024-007-00-3 236-878-9 13530-65-9		57 mg/kg	2.774	158.126 mg/kg	0.0158 %		
11	0	рН		6.8 pH		6.8 pH	6.8 pH		
12	0	TPH (C6 to C40) petroleum group		<1 mg/kg		<1 mg/kg	<0.0001 %		<lod< td=""></lod<>
13	0	acenaphthene TPH		<0.1 mg/kg		<0.1 mg/kg			<lod< td=""></lod<>
14	0	201-469-6 83-32-9 acenaphthylene 205-917-1 208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
15	0	anthracene 204-371-1 120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<lod< td=""></lod<>
	ш	207 07 1 1 120 12-7	ш						





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	ed data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
		benzo[a]anthracene			Ö							Σ	
16			200-280-6	56-55-3	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		benzo[a]pyrene; be		56-55-5	-								
17		L 31 7	200-028-5	50-32-8	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
_		benzo[b]fluoranther		30-32-6	-							Н	
18			205-911-9	205-99-2	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
_	1			205-99-2	\vdash							Н	
19	0	benzo[ghi]perylene	205-883-8 191-24-2			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		benzo[k]fluoranther		191-24-2									
20			205-916-6	207-08-9	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		chrysene	200 010 0	201 00 0									
21			205-923-4	218-01-9	1	0.1	mg/kg		0.1	mg/kg	0.00001 %		
		dibenz[a,h]anthrace											
22			200-181-8	53-70-3	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
	0	fluoranthene		00.00	H							Н	
23	ľ		205-912-4	206-44-0	-	0.2	mg/kg		0.2	mg/kg	0.00002 %		
	0	fluorene											
24			201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		indeno[123-cd]pyre	ne										
25			205-893-2	193-39-5	1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
26		naphthalene				-0.4			-0.1	m m //	-0.00004.0/		1.00
26		601-052-00-2	202-049-5	91-20-3	1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
27	0	phenanthrene				0.1	mg/kg		0.1	ma/l:~	0.00001 %		
21			201-581-5	85-01-8		0.1	mg/kg		0.1	mg/kg	0.00001%		
28	0	pyrene		,		0.2	mg/kg		0.2	mg/kg	0.00002 %		
20			204-927-3	129-00-0		0.2	mg/kg		0.2	mg/kg	0.00002 /6		
		120 00 0								Total:	0.0372 %	Г	

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Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected



Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Sample details

LoW Code: Sample name: WS13 Chapter: Sample Depth:

0.1 m Entry:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered	l data	Conv. Factor	Compound c	onc.	Classification value	MC Applied	Conc. Not Used
1	4		oxide } 215-481-4	1327-53-3		13.8	mg/kg	1.32	18.22	mg/kg	0.00182 %		
2	4					0.9	mg/kg	13.43	12.087	mg/kg	0.00121 %		
3	4	cadmium { cadmium 048-010-00-4	<mark>n sulfide</mark> } 215-147-8	1306-23-6	1	<0.5	mg/kg	1.285	<0.643	mg/kg	<0.00005 %		<lod< td=""></lod<>
4	æ \$	chromium in chrom oxide (worst case)		chromium(III)		25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
5	4	copper { dicopper o				49.6	mg/kg	1.126	55.844	mg/kg	0.00558 %		
6	4	lead { lead chromat 082-004-00-2	te } 231-846-0	7758-97-6	1	68	mg/kg	1.56	106.067	mg/kg	0.0068 %		
7	4	mercury { mercury 080-010-00-X	dichloride } 231-299-8	7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	4		roxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		22	mg/kg	1.579	34.749	mg/kg	0.00347 %		
9	æ	selenium { selenium cadmium sulphosel in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<lod< td=""></lod<>
10	4	zinc { zinc chromate 024-007-00-3	e } 236-878-9	13530-65-9		90	mg/kg	2.774	249.673	mg/kg	0.025 %		
11	0	pH		PH		5.9	рН		5.9	рН	5.9 pH		
12	0	TPH (C6 to C40) pe	etroleum group	ТРН		<1	mg/kg		<1	mg/kg	<0.0001 %		<lod< td=""></lod<>
13	0	acenaphthene	201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
14	9	acenaphthylene	205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
15	0	anthracene	204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound of	conc.	Classification value	MC Applied	Conc. Not Used
16		benzo[a]anthracene		,	Ī	<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< th=""></lod<>
		601-033-00-9	200-280-6	56-55-3						J J			
17		benzo[a]pyrene; be	nzo[def]chrysene			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
Ĺ.,		601-032-00-3	200-028-5	50-32-8		1011					10.00001 70		
18		benzo[b]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-034-00-4	205-911-9	205-99-2		VO.1	mg/kg		40.1	mg/kg	Q0.00001 70		
19	0	benzo[ghi]perylene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
19			205-883-8	191-24-2		<0.1	mg/kg		ζ0.1	ilig/kg	20.00001 /6		LOD
20		benzo[k]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-036-00-5	205-916-6	207-08-9									
21		chrysene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-048-00-0	205-923-4	218-01-9						mg/ng	40.00001 70		
22		dibenz[a,h]anthrace	ene			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-041-00-2	200-181-8	53-70-3		VO.1	mg/kg		40.1	mg/kg	Q0.00001 70		\LOD
23	0	fluoranthene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
20			205-912-4	206-44-0		VO.1	mg/kg		40.1	mg/kg	Q0.00001 70		\LOD
24	0	fluorene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
24			201-695-5	86-73-7		<0.1	mg/kg		ζ0.1	ilig/kg	20.00001 /6		\LOD
25	0	indeno[123-cd]pyre	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
23			205-893-2	193-39-5	1	ζ0.1	mg/kg		ζυ. Ι	nig/kg	C0.00001 /6		LOD
26		naphthalene				<0.1	ma/ka		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
20		601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	nig/kg	CU.UUUU I 7/6		<lud< td=""></lud<>
27	0	phenanthrene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
			201-581-5	85-01-8	L	VO.1	mg/kg			g/kg	10.00001 /0		`
28	0	pyrene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
			204-927-3	129-00-0									,
										Total:	0.048 %		

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Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected



Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Sample details

LoW Code: Sample name:

WS16 Chapter: Sample Depth: 0.6 m Entry:

from contaminated sites) 17 05 04 (Soil and stones other than those mentioned in 17 05

17: Construction and Demolition Wastes (including excavated soil

03)

Hazard properties

None identified

Determinands

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered	data	Conv. Factor	Compound cor	nc.	Classification value	MC Applied	Conc. Not Used
1	4		oxide } 215-481-4	1327-53-3		11.9	mg/kg	1.32	15.712 r	ng/kg	0.00157 %		
2	4					<0.5	mg/kg	13.43	<6.715 r	ng/kg	<0.000672 %		<lod< th=""></lod<>
3	4	cadmium { cadmiun 048-010-00-4	•	1306-23-6	1	<0.5	mg/kg	1.285	<0.643 r	ng/kg	<0.00005 %		<lod< td=""></lod<>
4	æ	chromium in chromioxide (worst case)		{ • chromium(III)		40.6	mg/kg	1.462	59.339 r	ng/kg	0.00593 %		
5	4	copper { dicopper o	xide; copper (I) oxid			23	mg/kg	1.126	25.895 r	ng/kg	0.00259 %		
6	4	lead { lead chromat 082-004-00-2		7758-97-6	1	15.5	mg/kg	1.56	24.177 r	ng/kg	0.00155 %		
7	4	mercury { mercury o		7487-94-7		<0.5	mg/kg	1.353	<0.677 r	ng/kg	<0.0000677 %		<lod< td=""></lod<>
8	æ		roxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		45.3	mg/kg	1.579	71.551 r	ng/kg	0.00716 %		
9	æ	selenium { selenium cadmium sulphosel in this Annex }				<1	mg/kg	1.405	<1.405 r	ng/kg	<0.000141 %		<lod< td=""></lod<>
10	4	zinc { zinc chromate 024-007-00-3) } 236-878-9	13530-65-9		54.5	mg/kg	2.774	151.191 r	ng/kg	0.0151 %		
11	0	pH		PH		6.9	рН		6.9 p	Н	6.9 pH		
12	0	TPH (C6 to C40) pe	etroleum group	ТРН		2.1	mg/kg		2.1 r	ng/kg	0.00021 %		
13	0	acenaphthene		83-32-9		<0.1	mg/kg		<0.1 r	ng/kg	<0.00001 %		<lod< td=""></lod<>
14	9	acenaphthylene	205-917-1	208-96-8		<0.1	mg/kg		<0.1 r	ng/kg	<0.00001 %		<lod< td=""></lod<>
15	0	anthracene	204-371-1	120-12-7		<0.1	mg/kg		<0.1 r	ng/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	ed data	Conv. Factor	Compound	conc.	Classification value	MC Applied	Conc. Not Used
16		benzo[a]anthracene)		S	0.4	//		0.4		0.00004.0/	≥	1.00
16		601-033-00-9	200-280-6	56-55-3	-	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
17		benzo[a]pyrene; be	nzo[def]chrysene			<0.1			<0.1	no a /l ca	<0.00001 %		<lod< td=""></lod<>
''		601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
18		benzo[b]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
10		601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
19	0	benzo[ghi]perylene				<0.1	malka		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
19			205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lud< td=""></lud<>
20		benzo[k]fluoranthen	ie			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-036-00-5	205-916-6	207-08-9						9/9			,
21		chrysene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-048-00-0	205-923-4	218-01-9						9/9			
22		dibenz[a,h]anthrace	ene			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-041-00-2	200-181-8	53-70-3						9/9			
23	0	fluoranthene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		2	205-912-4	206-44-0									
24	0	fluorene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		2	201-695-5	86-73-7		,,,,,				9/9			1
25	0	indeno[123-cd]pyre	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		Ź	205-893-2	193-39-5			9/119			9/9			
26		naphthalene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
L		601-052-00-2	202-049-5	91-20-3						9,9			
27	0	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
		4	201-581-5	85-01-8			9.119			9,9			
28	0	pyrene				<0.1	mg/kg		<0.1	mg/ka	<0.00001 %		<lod< td=""></lod<>
Ĺ		-	204-927-3 129-00-0				J -9						
										Total:	0.0352 %		

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because No liquid phase product was observed in the sample

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00021%)



Non Hazardous Waste Classified as 17 05 04 in the List of Waste

Sample details

Sample name: LoW Code: WS18 Chapter: Sample Depth:

0.2 m Entry:

17: Construction and Demolition Wastes (including excavated soil from contaminated sites)

17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entered	data	Conv. Factor	Compound c	onc.	Classification value	MC Applied	Conc. Not Used
1	æ\$		oxide } 215-481-4	1327-53-3		8.8	mg/kg	1.32	11.619	mg/kg	0.00116 %		
2	4					<0.5	mg/kg	13.43	<6.715	mg/kg	<0.000672 %		<lod< th=""></lod<>
3	4	cadmium { cadmium	<mark>n sulfide</mark> } 215-147-8	1306-23-6	1	<0.5	mg/kg	1.285	<0.643	mg/kg	<0.00005 %		<lod< td=""></lod<>
4	æ	chromium in chromioxide (worst case)		{ • chromium(III)		27.4	mg/kg	1.462	40.047	mg/kg	0.004 %		
5	4	copper { dicopper o		de }		20.9	mg/kg	1.126	23.531	mg/kg	0.00235 %		
6	4	lead { lead chromat 082-004-00-2		7758-97-6	1	27.5	mg/kg	1.56	42.895	mg/kg	0.00275 %		
7	4	mercury (mercury o		7487-94-7		<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<lod< td=""></lod<>
8	æ\$		roxide } 235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		23	mg/kg	1.579	36.328	mg/kg	0.00363 %		
9	4	selenium { selenium cadmium sulphosel in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<lod< td=""></lod<>
10	4	zinc { zinc chromate 024-007-00-3) } 236-878-9	13530-65-9		40.3	mg/kg	2.774	111.798	mg/kg	0.0112 %		
11	0	pH		PH		6.5	рН		6.5	рН	6.5 pH		
12	0	TPH (C6 to C40) pe	etroleum group	ТРН		7.9	mg/kg		7.9	mg/kg	0.00079 %		
13	0	acenaphthene		83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
14	0	acenaphthylene	205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>
15	9	anthracene		120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<lod< td=""></lod<>





#		CLP index number	Determinand EC Number	CAS Number	CLP Note	User entere	d data	Conv. Factor	Compound or	onc.	Classification value	MC Applied	Conc. Not Used
16		benzo[a]anthracene		,	Ī	<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< th=""></lod<>
		601-033-00-9	200-280-6	56-55-3						J J			
17		benzo[a]pyrene; be	nzo[def]chrysene			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-032-00-3	200-028-5	50-32-8		1011				9,9			
18		benzo[b]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
10		601-034-00-4	205-911-9	205-99-2		VO.1	mg/kg		VO.1	mg/kg	V0.00001 70		\LOD
19	0	benzo[ghi]perylene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
13			205-883-8	191-24-2		VO.1	mg/kg		ζ0.1	mg/kg	<0.00001 /b		LOD
20		benzo[k]fluoranther	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-036-00-5	205-916-6	207-08-9									
21		chrysene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-048-00-0	205-923-4	218-01-9			9/119			mg/ng			
22		dibenz[a,h]anthrace	ene			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
		601-041-00-2	200-181-8	53-70-3		VO.1	mg/kg		70.1	mg/kg	V0.00001 70		\LOD
23	0	fluoranthene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
20			205-912-4	206-44-0		VO.1	mg/kg		70.1	mg/kg	V0.00001 70		\LOD
24	0	fluorene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
24			201-695-5	86-73-7		<0.1	mg/kg		ζ0.1	ilig/kg	<0.00001 /6		\LOD
25	0	indeno[123-cd]pyre	ne			<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
23			205-893-2	193-39-5	1	ζ0.1	mg/kg		ζυ. Ι	mg/kg	CO.00001 /6		LOD
26		naphthalene				<0.1	ma/ka		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
20		601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	CU.00001 76		<lud< td=""></lud<>
27	0	phenanthrene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
			201-581-5	85-01-8		VO.1	mg/kg		70.1	mg/kg			`
28	0	pyrene				<0.1	mg/kg		<0.1	ma/ka	<0.00001 %		<lod< td=""></lod<>
			204-927-3 129-00-0										
										Total:	0.027 %		

Key

User supplied data

Determinand values ignored for classification, see column 'Conc. Not Used' for reason

Determinand defined or amended by HazWasteOnline (see Appendix A)

Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound

concentration

<LOD Below limit of detection

ND Not detected

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because No liquid phase product was observed in the sample

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00079%)





Appendix A: Classifier defined and non CLP determinands

• boron tribromide/trichloride/trifluoride (combined) (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron tribloride and boron

trifluoride

Data source: N/A

Data source date: 06 Aug 2015

Hazard Statements: EUH014, Acute Tox. 2 H330, Acute Tox. 2 H300, Skin Corr. 1A H314, Skin Corr. 1B H314

chromium(III) oxide (worst case) (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Resp. Sens. 1 H334 , Skin Sens. 1

H317, Repr. 1B H360FD, Aquatic Acute 1 H400, Aquatic Chronic 1 H410

pH (CAS Number: PH)

Description/Comments: Appendix C4 Data source: WM3 1st Edition 2015 Data source date: 25 May 2015 Hazard Statements: None.

TPH (C6 to C40) petroleum group (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015 Data source date: 25 May 2015

Hazard Statements: Flam. Lig. 3 H226, Asp. Tox. 1 H304, STOT RE 2 H373, Muta. 1B H340, Carc. 1B H350, Repr. 2 H361d, Aquatic Chronic 2

H411

acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

 $\label{lem:decomposition} \textbf{Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database}$

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319, STOT SE 3 H335, Skin Irrit. 2 H315, Aquatic Acute 1 H400, Aquatic Chronic 1 H410, Aquatic Chronic 2 H411

acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

• benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015 Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Acute 1 H400, Aquatic Chronic 1 H410

fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database

Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database

Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

• fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

 $\label{lem:decomposition} \textbf{Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database}$

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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• indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database

Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database

Data source date: 06 Aug 2015 Hazard Statements: Carc. 2 H351

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4 H302, Eye Irrit. 2 H319, STOT SE 3 H335, Carc. 2 H351, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic

Chronic 1 H410, Skin Irrit. 2 H315

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database

Data source date: 21 Aug 2015

Hazard Statements: Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335, Aquatic Acute 1 H400, Aquatic Chronic 1 H410

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

lead {lead chromate}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on hazard statements

zinc {zinc chromate}

Worst case species based on hazard statements

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.187.4816.9162 (06 Jul 2021)

HazWasteOnline Database: 2021.187.4816.9162 (06 Jul 2021)





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This classification utilises the following guidance and legislation:

WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013 **6th ATP** - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2019 - UK: 2019 No. 720 of 27th March 2019

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019

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