Memo



SUBJECT South Bank Access Roads – Environmental Assessment Summary

DATE 16 August 2021

DEPARTMENT Ground Conditions and Remediation

COPIES TO Phil McCarthy (Lichfields) Neil Westwick (Lichfields) TO John McNicholas (STDC) Lauren Carr-Duffy (STDC)

OUR REF 10035117-AUK-XX-XX-CO-ZZ-0357-01-South_Bank_Roads GI

FROM Neil Thurston M 07870 572 824 E neil.thurston@arcadis.com

On 11th August 2021 Arcadis were requested by STDC to provide a summary of environmental assessment works to support the discharge of Planning for the remediation of future access road areas (the site) of the South Bank Teesworks as shown on BGP drawing *LMWIN-BGP-XX-XX-DR-C-001_P03* (Appendix A).

Recent ground investigation works (2020 and 2021) have been completed across much of the site as part of a wider assessment of the Teesworks South Bank landholding and, in addition, historic information exists for the entire site from works conducted by a third party in 2004. The investigation locations are shown on Figure 1 below.

The factual findings of the ground 2020 ground investigation, including the locations shown on Figure 1 beginning "SBA", are reported in *4296 South Bank A (Draft Report)* prepared by AEG Ltd. The interpretative report by Arcadis [*10035117-AUK-XX-RP-ZZ-0192-01-SBA_ESA*] concluded that for locations within the area on Figure 1 beginning SBA there were no risks to Human Health based on a future commercial/industrial end use. Soils containing trace levels of asbestos fibres were identified on the wider South Bank A landholding. Additional trial pits including SBA_AUK_TP102 and SBA_AUK_TP103 were completed in 2021 (update to the above referenced reports in press) - trial pit logs and laboratory data are included as Appendix B - no exceedances of Human Health screening criteria were noted.

The factual findings of the 2021 ground investigation, including the locations shown on Figure 1 beginning "SBC", are reported in an interpretative report prepared by Arcadis based on draft factual data provided by AEG [10035117-AUK-XX-XX-RP-ZZ-0318-02-SBC_ESA]. The interpretative report concluded that for locations within the area on Figure 1 beginning "SBC" there were no risks to Human Health based on a future commercial/industrial end use with the exception of a single detection of dibenzo(a,h)anthracene in SBC_AUK_TP163 (1m below ground level (bgl)). Soils containing trace levels of asbestos fibres <0.001% were identified in SBC_AUK_TP155 and on the wider South Bank C landholding.

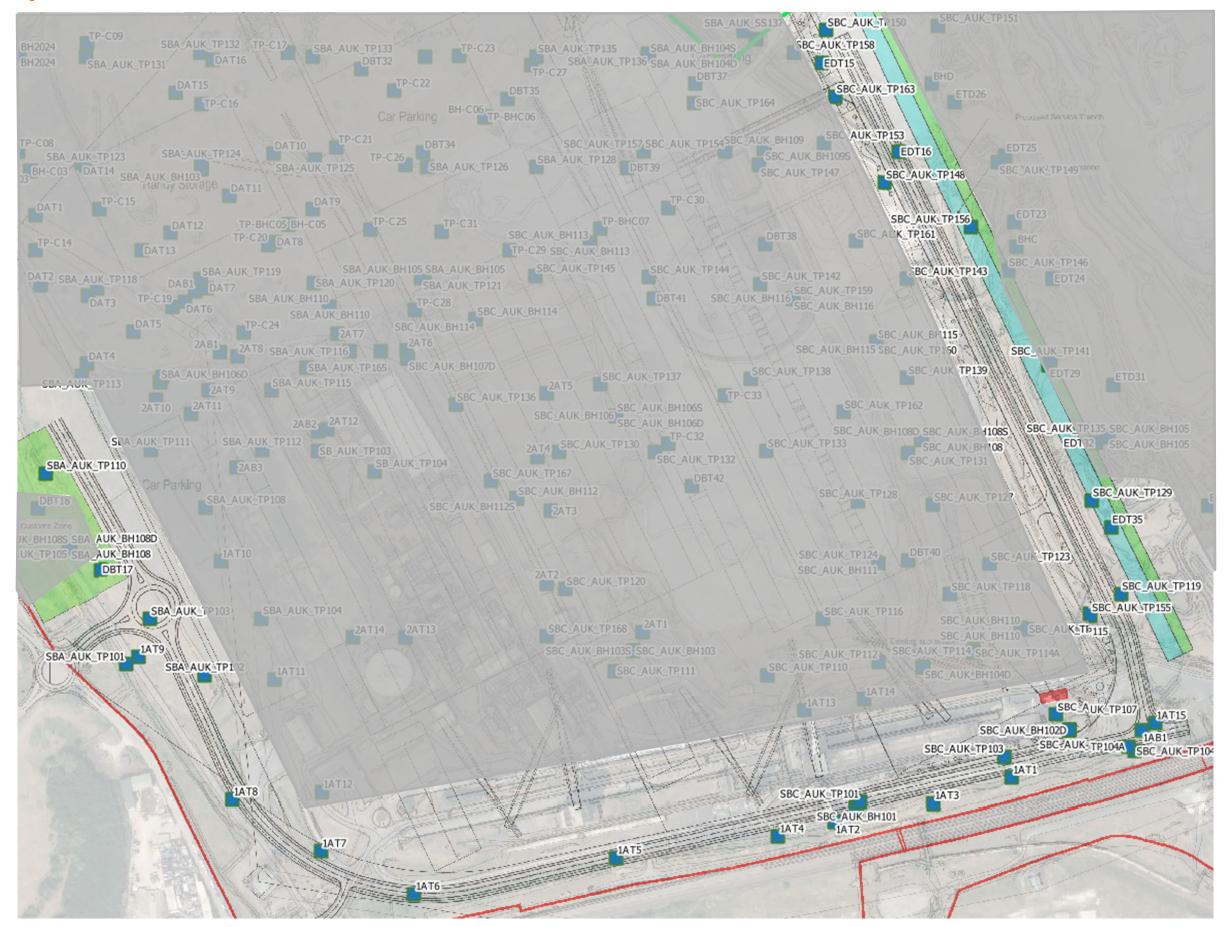
A review of the 2004 data (locations beginning 1AT, 1BT, DBT, or EDT) and comparison to the same screening criteria used in the above referenced reports did not identify any contaminants above the Human Health screening criteria.

Soil identified to contain contaminants above the Human Health screening criteria and / or trace levels of asbestos would be suitable for use based on a future commercial/industrial end use below a clean cover system to break the inhalation exposure pathway. Arcadis consider that the construction of a road comprising hardstanding will comprise an appropriate cover system to break the exposure pathway.

Risks to groundwater across the wider South Bank landholding including the area of the site were assessed in the Arcadis Detailed Quantitative Risk Assessment (DQRA) [10035117-AUK-XX-XX-RP-ZZ-0331-01-SB_DQRA]. The DQRA concluded that the sources areas identified in soil and groundwater did not present a significant risk to Controlled Waters.

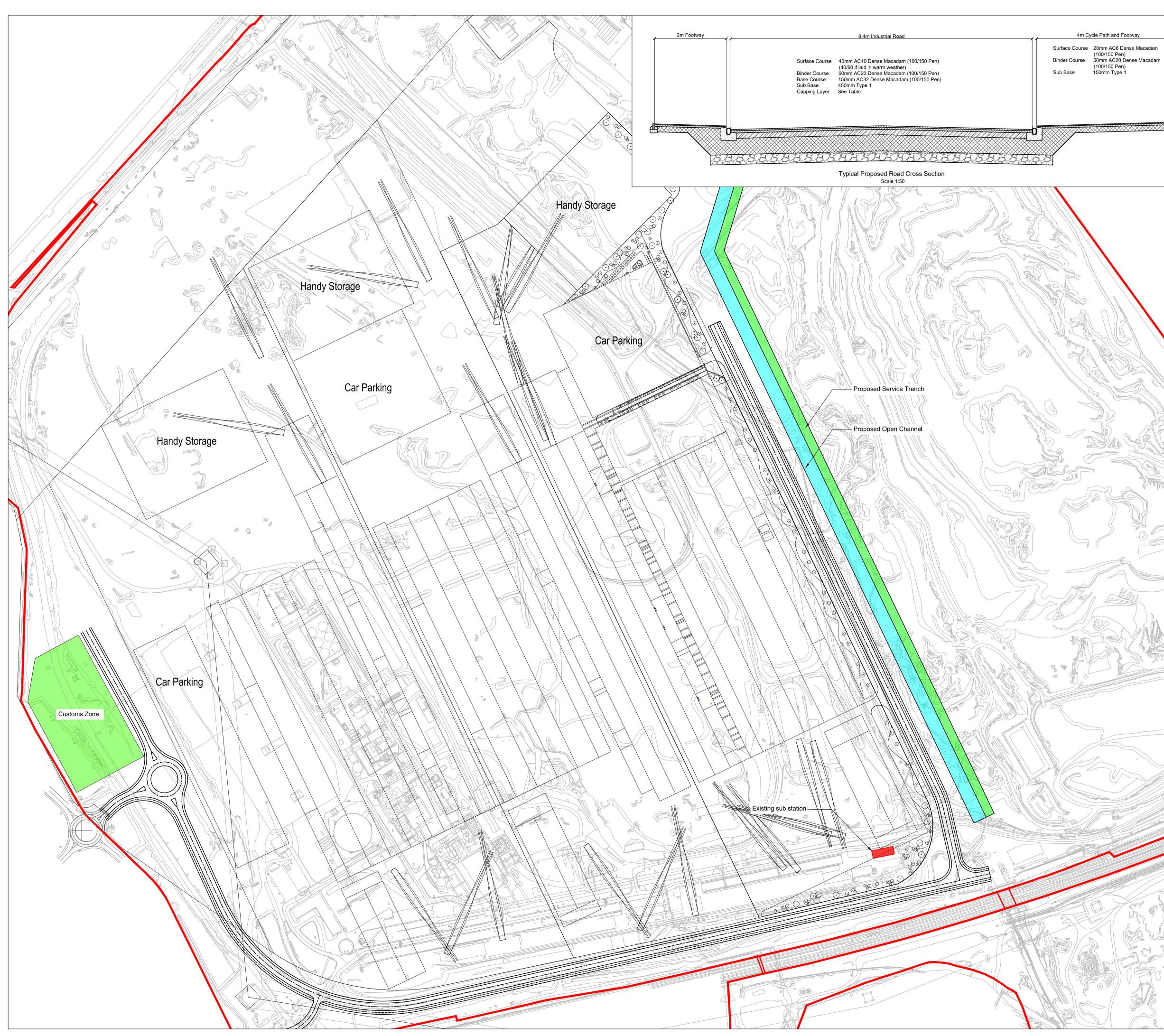
Arcadis trust the above information is clear and can provide qualifications on the provided information as required.

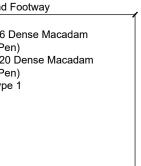
Figure 1





APPENDIX A





- DO NOT SCALE -

Road and footpath surfaces are to meet architects specification.

- 1. All works and materials to be in accordance with;
- (i) Tees Valley current design standards
- (ii) New Road and Streetworks Act. 1991
- (iii) BGP Specifications

Notes:

- (iv) All applicable Building regulations
- 2. All levels are in metres to Ordnance Datum (m AOD).
- 3. The contractor is to check all dimensions and levels and report any discrepancies or omissions to the Engineer.
- 4. This drawing is to be read only in conjunction with BGP specification and drawings.
- 5. All concrete for foundation to kerb channels and edgings shall be Class Gen3 (BS 5328) unless shown otherwise.
- 6. All kerbs and channels shall be hydraulically pressed and comply in all respects with BS 7263 Part 1.
- 7. Kerbs and channels shall be laid true to line and level and shall not be backed until inspected and approved by the Engineer.
- 8. For softscape areas refer to Architects specification & details.

1	Updated following comment	тс	P03	JC	29.07.2021				
	Updated following comment	тс	P02	JC	06.07.2021				
	Issued for Information	тс	P01	JC	24.06.2021				
	AMENDMENT	BY	BY REV CHK DATE						
	Rev P = Preliminary T = Tender C = Construction LCI = Last Construction Issue								

In instances where this drawing completes or partly completes a contract, Billinghurst George & Partners will consider that it's product has been validated, unless in a period not exceeding 90 working days, the client advises to the contrary.



Billinghurst George & Partners

CIVIL & STRUCTURAL ENGINEERS | BUILDING SURVEYORS 1st Floor, Wellington House, Wellington Court, Stockton-on-Tees, TS18 3TA T 01642 876 470 🖤 @BGPconsulting E consulting@bgp-teesside.co.uk - W www.bgp-consulting.co.uk

Client

Project					Proje	ect No.	
Blade	Factory	217	21T2082				
Drawing T Highw	Fitle ay proposals						
Drawn TC	Date June 21	Checked JC	Date June 21	Size A1	Scale 1:2000	Class.	Rev. P03
Location LMWIN	Originator BGP	Volume XX	Level XX	Type DR	Role C	Unique I 001	No.
File Refer	ence -BGP-XX-XX-	DR-C-001				I	

APPENDIX B

https://arcadiso365.sharepoint.com/sites/redcarsteelworkssiteinvestigation/Shared Documents/Phase 3c_South Bank_Initial Remediation/03 Project Correspondence/South Bank Road Planning/10035117-AUK-XX-XX-





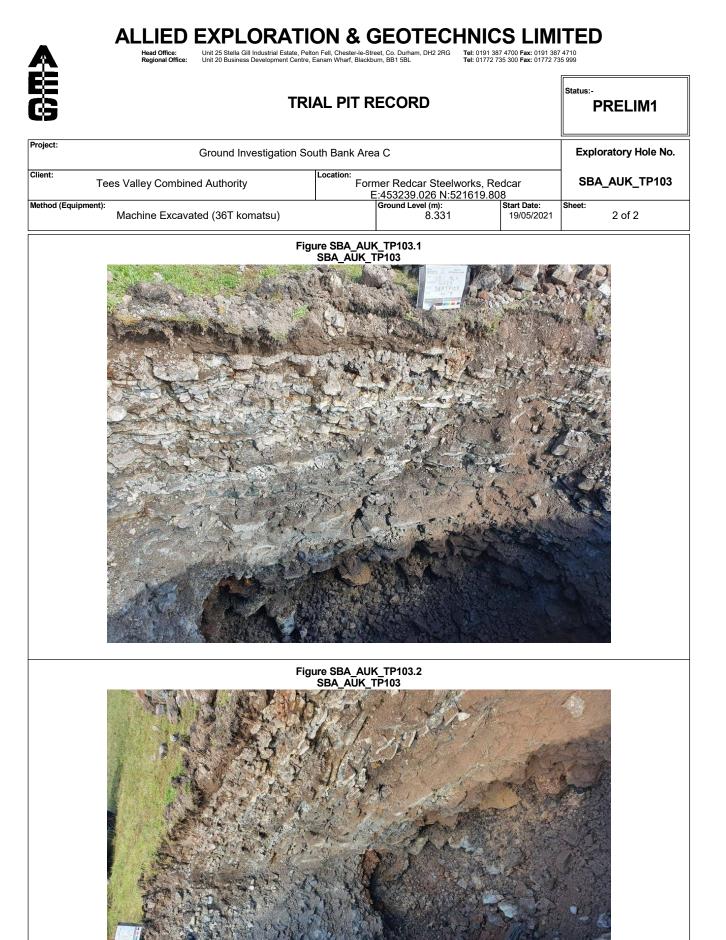
Status:-

G					TR	IAL P	IT RECOF	RD		F	RELIM1			
Project:		0	Ground	d Investi	gation So	outh Ban	k Area C			Explo	oratory Hole No.			
Client:	Tees Va	alley Combined	Autho	ority		Location	Former Red	car Steelworks, Re 3.085 N:521569.27		SBA	_AUK_TP102			
Method (Equipn		chine Excavated	d (361	r komats	su)		Ground Le		Start Date: 19/05/2021	Sheet:	1 of 1			
SAN	MPLES & T	TESTS					I	STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)		D	escription					
0.20 0.20 1.00 1.20 1.20 2.00 2.20 2.20	B1 J2 PID B3 J4 PID B5 J6 ES7	<0.1ppm		7.32 5.22 5.12		(2.10) 	content. Sar includes slav 100%). MADE GRO low boulder is fine to coa angular and between c.2 MADE GRO and low bou includes brid		Gravel is fin ular and inclu- sandy slight ne to coarse a clude slag. C content is 10 high boulder gravelly san el is fine to co es and boulder	e to coal ude slag ly gravel and inclu cobbles a 00%. Slag content. d with m d arse angers are a	rse angular and . Slag content is ly cobbles with ides slag. Gravel and boulders are g is vesicular). edium cobble gular and ngular and			
		PLAN 4.50 Face A			<u> </u>		INDWATER undwater inflov	v observed.						
G Orientation B NO			STABILITY Collapsing on the Western Face.											
ADDITIONAL INFORMATION														
					GENE	RAL REMAR	<s< td=""><td></td><td></td><td></td></s<>							
Sketch Diagram: No Sketch Taken														
Photogra	phs:	No		See ado shee										
	ensions in ale 1:50.0			For exp abbrev	lanation iations se	of symbo ee Kev S	ols and Sheets	Checked by:	Logged I. Rhoo	by: des	Contract No. 4338			





							RIAL PIT RECORD					PRELIM1
Project:			Ground	d Investi	gation S	South Bank Area C				Exploratory Hole No.		
Client:	Tees Va	alley Combined	Autho	ority		Location	Forr	ner Redo	ar Steelworks, Ro .026 N:521619.80	edcar	SB	A_AUK_TP103
Method (Equipm		chine Excavate	ed (361	komats	su)			Ground Le		Start Date: 19/05/2021	Sheet:	1 of 2
SAN	/IPLES &	TESTS			1				STRATA	ł	4	
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)			ſ	Description		
0.20	ES1			8.03		- 0.30 	includes slag. Slag content is 100%. Cobbles are angular and include brick and slag. Slag content is 75-100%). MADE GROUND (Grey slightly sandy gravel and cobbles with low					arse angular and ngular and
0.80 0.80 1.00	J2 B3 PID	<0.1ppm		7.03		- - - - - -	bou fine ang non MAI	lder cont to coarse ular and -vesicula DE GRO	ent. Sand is fine t e angular and inc include slag, Slag r). UND (Grey slightl	o coarse and ludes slag. C g content is 1 y sandy sligh	l include obbles a 00%. Sla tly grave	slag. Gravel is and boulders are ag is vesicular and elly boulders with
1.80 1.80 2.00	J4 B5 PID	<0.1ppm				-	is fii bou	ne to coa Iders are	ROUND (Grey slightly sandy slightly gravelly boulders with ble content. Sand is fine to coarse and include slag. Gravel coarse angular and includes brick and slag. Cobbles and are angular and include brick and slag, Slag content is b. Slag is vesicular and non-vesicular).			
2.80 2.80 3.00	J6 B7 PID	<0.1ppm				- 						
3.80 3.80 4.00	J8 B9 PID	<0.1ppm		3.63		- - - - - - - - - - - - - - - - - - -						
							Con	nplete at	4.70m BGL.			
		PLAN				GROU		ATER				
		4.50 Face A							observed.			
Face D		Orientation 000°			- 2.00	STABI Pit side		base sta	ble throughout exc	avation.		
	Face C											
	ADDIT	IONAL INFOR	MATIC	N		GENE	RAL I	REMARK	(S			
Sketch Diac	gram:	No S	Sketch T	aken								
Photograp	ohs:	Yes		See add shee								
	nsions in ale 1:50.0			For exp abbrev	lanation iations s	of symbo ee Key S	ols an heets	b	Checked by:	Logged I. Rho		Contract No. 4338





Certificate Number 21-10896

Issued: 01-Jun-21

Client Allied Exploration & Geotechnics Limited Unit 25 Stella Gill Industrial Estate Pelton Fell DH2 2RG

- Our Reference 21-10896
- Client Reference 4338
 - Order No (not supplied)
 - Contract Title Ground Investigation South Bank Area C
 - *Description* 2 Soil samples, 1 Leachate sample.
 - Date Received 24-May-21

Date Started	24-May-21
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Date Completed 01-Jun-21

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By



Adam Fenwick Contracts Manager





Summary of Chemical Analysis Matrix Descriptions

Sample ID	Other ID	Depth	Lab No	Completed	Matrix Description
SBA_AUK_TP102	7	2.3	1851445	01/06/2021	Dark brown gravelly, very sandy CLAY
SBA_AUK_TP103	1	0.2	1851446	01/06/2021	Dark brown gravelly, very sandy CLAY



Summary of Chemical Analysis Soil Samples

			Lab No	1851445	1851446
				SBA_AUK_T	SBA_AUK_T
		.Sa	ample ID	P102	P103
			Depth	2.30	0.20
			Other ID	7	1
		Sam	ple Type	ES	ES
		Sampl	ing Date	19/05/2021	19/05/2021
		Sampl	ing Time	n/s	n/s
Test	Method	LOD	Units		
Metals					
Aluminium	DETSC 2301*	1	mg/kg	29000	19000
Antimony	DETSC 2301*	1	mg/kg	< 1.0	2.7
Arsenic	DETSC 2301#	0.2	mg/kg	39	19
Barium	DETSC 2301#	1.5	mg/kg	250	220
Beryllium	DETSC 2301#	0.2	mg/kg	4.6	2.2
Boron, Water Soluble	DETSC 2311#	0.2	mg/kg	2.0	1.7
Cadmium	DETSC 2301#	0.1	mg/kg	13	0.7
Chromium	DETSC 2301#	0.15	mg/kg	27	48
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0
Copper	DETSC 2301#	0.2	mg/kg	23	36
Iron	DETSC 2301	25	mg/kg	28000	62000
Lead	DETSC 2301#	0.3	mg/kg	450	85
Magnesium	DETSC 2301*	1	mg/kg	16000	8900
Manganese	DETSC 2301#	20	mg/kg	1100	2600
Mercury	DETSC 2325#	0.05	mg/kg	< 0.05	0.05
Molybdenum	DETSC 2301#	0.4	mg/kg	1.0	1.2
Nickel	DETSC 2301#	1	mg/kg	18	16
Vanadium	DETSC 2301#	0.8	mg/kg	99	150
Zinc	DETSC 2301#	1	mg/kg	6200	420
Inorganics					
рН	DETSC 2008#		pН	8.6	9.2
Cyanide, Total	DETSC 2130#	0.1	mg/kg	0.2	0.3
Cyanide, Free	DETSC 2130#	0.1	mg/kg	< 0.1	< 0.1
Thiocyanate	DETSC 2130#	0.6	mg/kg	< 0.6	< 0.6
Organic matter	DETSC 2002#	0.1	%	2.0	1.5
Sulphate Aqueous Extract as SO4	DETSC 2076#	10	mg/l	380	430
Sulphur (free)	DETSC 3049#	0.75	mg/kg	< 0.75	< 0.75



Summary of Chemical Analysis Soil Samples

C C	II SOULII BAIK F		Lab No	1851445	1851446
					SBA_AUK_T
		Sa	mple ID	P102	P103
			Depth	2.30	0.20
			Other ID	7	1
			ple Type		ES
				19/05/2021	
		-	ing Time		n/s
Test	Method	LOD	Units	11/3	1,3
Petroleum Hydrocarbons			00		
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01
Aliphatic C10-C12	DETSC 3072#	1.5	mg/kg		< 1.5
Aliphatic C12-C16	DETSC 3072#	1.2	mg/kg		< 1.2
Aliphatic C16-C21	DETSC 3072#	1.5	mg/kg		17
Aliphatic C21-C35	DETSC 3072#	3.4	mg/kg		110
Aliphatic C5-C35	DETSC 3072*	10	mg/kg		130
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg		< 0.01
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg		< 0.01
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg		< 0.01
Aromatic C10-C12	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9
Aromatic C12-C16	DETSC 3072#	0.5	mg/kg		< 0.5
Aromatic C16-C21	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6
Aromatic C21-C35	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4
Aromatic C5-C35	DETSC 3072*	10	mg/kg	< 10	< 10
TPH Ali/Aro Total C5-C35	DETSC 3072*	10	mg/kg	< 10	130
PAHs		-	0, 0		
Naphthalene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03
Acenaphthylene	DETSC 3303#	0.03	mg/kg		< 0.03
Acenaphthene	DETSC 3303#	0.03	mg/kg		0.07
Fluorene	DETSC 3303	0.03	mg/kg		0.06
Phenanthrene	DETSC 3303#	0.03	mg/kg		1.0
Anthracene	DETSC 3303	0.03	mg/kg	0.07	0.21
Fluoranthene	DETSC 3303#	0.03	mg/kg		1.6
Pyrene	DETSC 3303#	0.03	mg/kg	0.35	1.3
Benzo(a)anthracene	DETSC 3303#	0.03	mg/kg	0.15	0.65
Chrysene	DETSC 3303	0.03	mg/kg	0.12	0.55
Benzo(b)fluoranthene	DETSC 3303#	0.03	mg/kg	0.14	0.80
Benzo(k)fluoranthene	DETSC 3303#	0.03	mg/kg	0.17	0.27
Benzo(a)pyrene	DETSC 3303#	0.03	mg/kg	0.08	0.45
Indeno(1,2,3-c,d)pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	0.23
Dibenzo(a,h)anthracene	DETSC 3303#	0.03	mg/kg	< 0.03	0.04
Benzo(g,h,i)perylene	DETSC 3303#	0.03	mg/kg	0.04	0.25
PAH - USEPA 16, Total	DETSC 3303	0.1	mg/kg	1.9	7.6



Summary of Chemical Analysis Soil Samples

			Lab No	1851445	1851446
				SBA_AUK_T	SBA_AUK_T
		.Sa	mple ID	P102	P103
	Depth			2.30	0.20
		Other ID			1
		Sam	ple Type	ES	ES
		Sampl	ing Date	19/05/2021	19/05/2021
		Sampli	ing Time	n/s	n/s
Test	Method	LOD	Units		
Phenols					
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	< 0.3	< 0.3
Phenol	DETSC 3451*	0.01	mg/kg	< 0.01	< 0.01
4-Chloro-3-methylphenol	DETSC 3451*	0.01	mg/kg	< 0.01	< 0.01
2,4-Dichlorophenol	DETSC 3451*	0.01	mg/kg	< 0.01	< 0.01
2,4-Dimethylphenol	DETSC 3451*	0.01	mg/kg	< 0.01	< 0.01
p-cresol	DETSC 3451*	0.01	mg/kg	< 0.01	< 0.01
2,6-Dimethylphenol	DETSC 3451*	0.01	mg/kg	< 0.01	< 0.01
2,6-Dichlorophenol	DETSC 3451*	0.01	mg/kg	< 0.01	< 0.01
2,4,6-Trichlorophenol	DETSC 3451*	0.01	mg/kg	< 0.01	< 0.01



Summary of Chemical Analysis Soil VOC/SVOC Samples

Our Ref 21-10896

Client Ref 4338 Contract Title Ground Investigation South Bank Area C

contract ritle Ground investige			Lab No	1851445
				SBA_AUK_T
		.Sa	mple ID	P102
			Depth	2.30
		(Other ID	7
		Sam	ple Type	ES
		Sampl	ing Date	19/05/2021
		-	ing Time	
Test	Method	LOD	Units	· · · · ·
VOCs				
Vinyl Chloride	DETSC 3431	0.01	mg/kg	< 0.01
1,1 Dichloroethylene	DETSC 3431	0.01	mg/kg	< 0.01
Trans-1,2-dichloroethylene	DETSC 3431	0.01	mg/kg	
1,1-dichloroethane	DETSC 3431	0.01	mg/kg	< 0.01
Cis-1,2-dichloroethylene	DETSC 3431	0.01	mg/kg	
2,2-dichloropropane	DETSC 3431	0.01	mg/kg	
Bromochloromethane	DETSC 3431	0.01	mg/kg	
Chloroform	DETSC 3431	0.01	mg/kg	
1,1,1-trichloroethane	DETSC 3431	0.01	mg/kg	
1,1-dichloropropene	DETSC 3431	0.01	mg/kg	
Carbon tetrachloride	DETSC 3431	0.01	mg/kg	
Benzene	DETSC 3431	0.01	mg/kg	< 0.01
1,2-dichloroethane	DETSC 3431	0.01	mg/kg	< 0.01
Trichloroethylene	DETSC 3431	0.01	mg/kg	< 0.01
1,2-dichloropropane	DETSC 3431	0.01	mg/kg	< 0.01
Dibromomethane	DETSC 3431	0.01	mg/kg	< 0.01
Bromodichloromethane	DETSC 3431	0.01	mg/kg	< 0.01
cis-1,3-dichloropropene	DETSC 3431	0.01	mg/kg	< 0.01
Toluene	DETSC 3431	0.01	mg/kg	< 0.01
trans-1,3-dichloropropene	DETSC 3431	0.01	mg/kg	< 0.01
1,1,2-trichloroethane	DETSC 3431	0.01	mg/kg	< 0.01
Tetrachloroethylene	DETSC 3431	0.01	mg/kg	
1,3-dichloropropane	DETSC 3431	0.01	mg/kg	
Dibromochloromethane	DETSC 3431	0.01	mg/kg	
1,2-dibromoethane	DETSC 3431	0.01	mg/kg	< 0.01
Chlorobenzene	DETSC 3431	0.01	mg/kg	
1,1,1,2-tetrachloroethane	DETSC 3431	0.01	mg/kg	
Ethylbenzene	DETSC 3431	0.01	mg/kg	< 0.01
m+p-Xylene	DETSC 3431	0.01	mg/kg	< 0.01
o-Xylene	DETSC 3431	0.01	mg/kg	< 0.01
Styrene	DETSC 3431*	0.01	mg/kg	< 0.01
Bromoform	DETSC 3431	0.01	mg/kg	< 0.01
Isopropylbenzene	DETSC 3431 DETSC 3431	0.01	mg/kg	< 0.01
Bromobenzene	DETSC 3431 DETSC 3431	0.01	mg/kg	< 0.01
1,2,3-trichloropropane	DETSC 3431 DETSC 3431	0.01	mg/kg	< 0.01
n-propylbenzene	DETSC 3431 DETSC 3431	0.01	mg/kg	< 0.01
2-chlorotoluene		0.01	mg/kg	
1,3,5-trimethylbenzene	DETSC 3431			< 0.01
4-chlorotoluene	DETSC 3431	0.01	mg/kg	
	DETSC 3431	0.01	mg/kg	
Tert-butylbenzene	DETSC 3431	0.01	mg/kg	< 0.01



Summary of Chemical Analysis Soil VOC/SVOC Samples

Our Ref 21-10896

Client Ref 4338

Contract Title Ground Investigation South Bank Area C

			Lab No	1851445
		5-		SBA_AUK_T
		.58	ample ID	P102
			Depth Other ID	2.30
				7
			ple Type	ES
		-	-	19/05/2021
Test	Method	LOD	ing Time Units	n/s
1,2,4-trimethylbenzene	DETSC 3431	0.01	mg/kg	< 0.01
sec-butylbenzene	DETSC 3431	0.01	mg/kg	< 0.01
p-isopropyltoluene	DETSC 3431	0.01	mg/kg	< 0.01
1,3-dichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01
1,4-dichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01
n-butylbenzene	DETSC 3431	0.01	mg/kg	< 0.01
1,2-dichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01
1,2-dibromo-3-chloropropane	DETSC 3431	0.01	mg/kg	< 0.01
1,2,4-trichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01
Hexachlorobutadiene	DETSC 3431	0.01	mg/kg	< 0.01
1,2,3-trichlorobenzene	DETSC 3431	0.01	mg/kg	< 0.01
MTBE	DETSC 3431*	0.01	mg/kg	< 0.01
SVOCs	021000101	0.01		. 0.01
Aniline	DETSC 3433*	0.1	mg/kg	< 0.1
2-Chlorophenol	DETSC 3433	0.1	mg/kg	< 0.1
Benzyl Alcohol	DETSC 3433	0.1	mg/kg	< 0.1
2-Methylphenol	DETSC 3433	0.1	mg/kg	< 0.1
Bis(2-chloroisopropyl)ether	DETSC 3433	0.1	mg/kg	< 0.1
3&4-Methylphenol	DETSC 3433	0.1	mg/kg	< 0.1
Bis-(dichloroethoxy)methane	DETSC 3433	0.1	mg/kg	< 0.1
1,2,4-Trichlorobenzene	DETSC 3433	0.1	mg/kg	< 0.1
2-Methylnaphthalene	DETSC 3433	0.1	mg/kg	< 0.1
Hexachlorocyclopentadiene	DETSC 3433*	0.1	mg/kg	< 0.1
2,4,5-Trichlorophenol	DETSC 3433*	0.1	mg/kg	< 0.1
2-Chloronaphthalene	DETSC 3433	0.1	mg/kg	< 0.1
2-Nitroaniline	DETSC 3433*	0.1	mg/kg	< 0.1
2,4-Dinitrotoluene	DETSC 3433*	0.1	mg/kg	< 0.1
3-Nitroaniline	DETSC 3433*	0.1	mg/kg	< 0.1
4-Nitrophenol	DETSC 3433*	0.1	mg/kg	< 0.1
Dibenzofuran	DETSC 3433	0.1	mg/kg	< 0.1
2,6-Dinitrotoluene	DETSC 3433	0.1	mg/kg	< 0.1
2,3,4,6-Tetrachlorophenol	DETSC 3433*	0.1	mg/kg	< 0.1
Diethylphthalate	DETSC 3433	0.1	mg/kg	< 0.1
4-Chlorophenylphenylether	DETSC 3433*	0.1	mg/kg	< 0.1
4-Nitroaniline	DETSC 3433*	0.1	mg/kg	< 0.1
2-Methyl-4,6-Dinitrophenol	DETSC 3433*	0.1	mg/kg	< 0.1
Diphenylamine	DETSC 3433	0.1	mg/kg	< 0.1
4-Bromophenylphenylether	DETSC 3433	0.1	mg/kg	< 0.1
Hexachlorobenzene	DETSC 3433	0.1	mg/kg	< 0.1
Pentachlorophenol	DETSC 3433*	0.1	mg/kg	< 0.1
Di-n-butylphthalate	DETSC 3433	0.1	mg/kg	< 0.1



Summary of Chemical Analysis Soil VOC/SVOC Samples

Our Ref 21-10896 *Client Ref* 4338

Contract Title Ground Investigation South Bank Area C

Contract litle Ground Investigation South Bank Area C									
			Lab No	1851445					
				SBA_AUK_T					
		.Sa	mple ID	P102					
			Depth	2.30					
		(Other ID	7					
		Sam	ple Type	ES					
		Sampl	ing Date	19/05/2021					
		Sampli	ing Time	n/s					
Test	Method	LOD	Units						
Butylbenzylphthalate	DETSC 3433*	0.1	mg/kg	< 0.1					
Bis(2-ethylhexyl)phthalate	DETSC 3433	0.1	mg/kg	< 0.1					
Di-n-octylphthalate	DETSC 3433*	0.1	mg/kg	< 0.1					
1,4-Dinitrobenzene	DETSC 3433*	0.1	mg/kg	< 0.1					
Dimethylphthalate	DETSC 3433	0.1	mg/kg	< 0.1					
1,3-Dinitrobenzene	DETSC 3433*	0.1	mg/kg	< 0.1					
1,2-Dinitrobenzene	DETSC 3433*	0.1	mg/kg	< 0.1					
2,3,5,6-Tetrachlorophenol	DETSC 3433*	0.1	mg/kg	< 0.1					
Azobenzene	DETSC 3433	0.1	mg/kg	< 0.1					
Carbazole	DETSC 3433*	0.1	mg/kg	< 0.1					



Our Ref 21-10896

Client Ref 4338

Test

Contract Title Ground Investigation South Bank Area C

	Lab No	1851447
		SBA_AUK_T
	.Sample ID	P102
	Depth	2.30
	Other ID	7
	Sample Type	ES
	Sampling Date	19/05/2021
	Sampling Time	n/s
Method	LOD Units	

Preparation							
Leachate 2:1 250g Non-WAC	DETSC 1009*			Y			
Metals							
Antimony, Dissolved	DETSC 2306	0.17	ug/l	< 0.17			
Arsenic, Dissolved	DETSC 2306	0.16	ug/l	2.8			
Barium, Dissolved	DETSC 2306	0.26	ug/l	21			
Beryllium, Dissolved	DETSC 2306*	0.1	ug/l	< 0.1			
Boron, Dissolved	DETSC 2306*	12	ug/l	22			
Cadmium, Dissolved	DETSC 2306	0.03	ug/l	0.06			
Chromium, Dissolved	DETSC 2306	0.25	ug/l	0.30			
Chromium, Hexavalent	DETSC 2203	7	ug/l	< 7.0			
Copper, Dissolved	DETSC 2306	0.4	ug/l	1.2			
Iron, Dissolved	DETSC 2306	5.5	ug/l	18			
Lead, Dissolved	DETSC 2306	0.09	ug/l	1.5			
Magnesium, Dissolved	DETSC 2306	0.02	mg/l	1.8			
Manganese, Dissolved	DETSC 2306	0.22	ug/l	1.5			
Mercury, Dissolved	DETSC 2306	0.01	ug/l	< 0.01			
Molybdenum, Dissolved	DETSC 2306	1.1	ug/l	< 1.1			
Nickel, Dissolved	DETSC 2306	0.5	ug/l	< 0.5			
Vanadium, Dissolved	DETSC 2306	0.6	ug/l	3.2			
Zinc, Dissolved	DETSC 2306	1.3	ug/l	19			
Inorganics							
рН	DETSC 2008		рН	7.8			
Cyanide, Total	DETSC 2130	40	ug/l	< 40			
Ammoniacal Nitrogen as N	DETSC 2207	0.015	mg/l	0.087			
Chloride	DETSC 2055	0.1	mg/l	1.0			
Sulphate as SO4	DETSC 2055	0.1	mg/l	31			



			Lab No	
		-		SBA_AUK_T
		.Sai	mple ID	P102
		_	Depth	2.30
		-	ther ID	7
		-	le Туре	
		-	-	19/05/2021
		-	ng Time	n/s
Test	Method	LOD	Units	
Petroleum Hydrocarbons			4	
Aliphatic C5-C6	DETSC 3322	0.1	ug/l	< 0.1
Aliphatic C6-C8	DETSC 3322	0.1	ug/l	< 0.1
Aliphatic C8-C10	DETSC 3322	0.1	ug/l	< 0.1
Aliphatic C10-C12	DETSC 3072*	1	ug/l	< 1.0
Aliphatic C12-C16	DETSC 3072*	1	ug/l	< 1.0
Aliphatic C16-C21	DETSC 3072*	1	ug/l	< 1.0
Aliphatic C21-C35	DETSC 3072*	1	ug/l	< 1.0
Aliphatic C5-C35	DETSC 3072*	10	ug/l	< 10
Aromatic C5-C7	DETSC 3322	0.1	ug/l	< 0.1
Aromatic C7-C8	DETSC 3322	0.1	ug/l	< 0.1
Aromatic C8-C10	DETSC 3322	0.1	ug/l	< 0.1
Aromatic C10-C12	DETSC 3072*	1	ug/l	< 1.0
Aromatic C12-C16	DETSC 3072*	1	ug/l	< 1.0
Aromatic C16-C21	DETSC 3072*	1	ug/l	< 1.0
Aromatic C21-C35	DETSC 3072*	1	ug/l	< 1.0
Aromatic C5-C35	DETSC 3072*	10	ug/l	< 10
TPH Ali/Aro Total C5-C35	DETSC 3072*	10	ug/l	< 10
PAHs				
Naphthalene	DETSC 3304	0.05	ug/l	< 0.05
Acenaphthylene	DETSC 3304	0.01	ug/l	< 0.01
Acenaphthene	DETSC 3304	0.01	ug/l	0.02
Fluorene	DETSC 3304	0.01	ug/l	< 0.01
Phenanthrene	DETSC 3304	0.01	ug/l	
Anthracene	DETSC 3304	0.01	ug/l	< 0.01
Fluoranthene	DETSC 3304	0.01	ug/l	0.02
Pyrene	DETSC 3304	0.01	ug/l	< 0.01
Benzo(a)anthracene	DETSC 3304	0.01	ug/l	< 0.01
Chrysene	DETSC 3304	0.01	ug/l	< 0.01
Benzo(b)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01
Benzo(k)fluoranthene	DETSC 3304	0.01	ug/l	< 0.01
Benzo(a)pyrene	DETSC 3304	0.01	ug/l	< 0.01
Indeno(1,2,3-c,d)pyrene	DETSC 3304	0.01	ug/l	0.01
Dibenzo(a,h)anthracene	DETSC 3304	0.01	ug/l	< 0.01
Benzo(g,h,i)perylene	DETSC 3304	0.01	ug/l	0.01
PAH Total	DETSC 3304	0.2	ug/l	< 0.20



Our Ref 21-10896

Client Ref 4338 Contract Title Ground Investigation South Bank Area C

Sample IDP102Depth2.30Clean IDDepthSample TypeSample TypeSample TypeTestMethodDETSC 21301000UnitsPhenolDETSC 2130100MethodDETSC 2130100PhenolDETSC 2130100Ad-Chloro-3-methylphenolDETSC 3451*0.1ug/Q.4-DichlorophenolDETSC 3451*0.1ug/<0.00	contract mic Ground investig			Lab No	1851447
Depth Other 10 Sample Type 2.30 Cother 10 Sample Type Sample Type 2.30 Sample Type Sample Type 300 Sample Type Test Method LOD Units Phenol DETSC 2130 100 ug/l <100 Phenol DETSC 3451* 0.1 ug/l <0.10 2,4-Dichlorophenol DETSC 3451* 0.1 ug/l <0.10 2,4-Dinethylphenol DETSC 3451* 0.1 ug/l <0.10 2,4-Dinethylphenol DETSC 3451* 0.1 ug/l <0.10 2,4-Dinethylphenol DETSC 3451* 0.1 ug/l <0.10 2,6-Dinethylphenol DETSC 3451* 0.1 ug/l <0.10 2,6-Dirichlorophenol DETSC 3432 1 ug/l <0.10 Vinyl Chloride DETSC 3432 1 ug/l <1 Dichlorodifluoromethane DETSC 3432 1 ug/l <1 Chloroethane DETSC 3432 1 ug/l <1 Dichlorodifluoromethane DET			-		SBA_AUK_T
Other ID 7 Sample Type Es Sampling Date 19/05/2021 Test Method UD Units Phenols 100 ug/l <100			.Sa	•	
Sample Type Sample Type				-	2.30
Sampling Time Taylog 2021 Sampling Time Test Method LOD Units Phenols					-
Test Method LOD Units Phenols Phenol - Monohydric DETSC 2130 100 ug/l < 0.0			-		
Test Method LOD Units Phenols			-	-	19/05/2021
PhenolsPhenol - MonohydricDETSC 2130100ug/l<100			-	-	n/s
Phenol DETSC 2130 100 ug/l < 100 Phenol DETSC 3451* 0.1 ug/l < 0.10		Method	LOD	Units	
Phenol DETSC 3451* 0.1 ug/l < 0.10 4-Chloro-3-methylphenol DETSC 3451* 0.1 ug/l < 0.10				4	
4-Chloro-3-methylphenol DETSC 3451* 0.1 ug/l < 0.10					
2,4-Dichlorophenol DETSC 3451* 0.1 ug/l < 0.10 2,4-Dimethylphenol DETSC 3451* 0.1 ug/l < 0.10					
2,4-Dimethylphenol DETSC 3451* 0.1 ug/l < 0.10 p-cresol DETSC 3451* 0.1 ug/l < 0.10					
p-cresol DETSC 3451* 0.1 ug/l < 0.10 2,6-Dimethylphenol DETSC 3451* 0.1 ug/l < 0.10					
2,6-Dimethylphenol DETSC 3451* 0.1 ug/l < 0.10 2,6-Dichlorophenol DETSC 3451* 0.1 ug/l < 0.10					
2,6-Dichlorophenol DETSC 3451* 0.1 ug/l < 0.10 2,4,6-Trichlorophenol DETSC 3451* 0.1 ug/l < 0.10					
2,4,6-Trichlorophenol DETSC 3451* 0.1 ug/l < 0.10 VOCs Dichlorodifluoromethane DETSC 3432 1 ug/l <1			0.1	ug/l	< 0.10
VOCs Dichlorodifluoromethane DETSC 3432 1 ug/l <1		DETSC 3451*	0.1	ug/l	< 0.10
DichlorodifluoromethaneDETSC 34321 ug/l <1ChloromethaneDETSC 34321 ug/l <1	· · ·	DETSC 3451*	0.1	ug/l	< 0.10
ChloromethaneDETSC 34321 ug/l <1Vinyl ChlorideDETSC 34321 ug/l <1					
Vinyl ChlorideDETSC 34321 ug/l <1BromomethaneDETSC 34321 ug/l <1		DETSC 3432	1		< 1
BromomethaneDETSC 34321ug/l<1ChloroethaneDETSC 34321ug/l<1		DETSC 3432	1	ug/l	< 1
ChloroethaneDETSC 34321 ug/l <1TrichlorofluoromethaneDETSC 3432*1 ug/l <1	-	DETSC 3432	1	ug/l	< 1
TrichlorofluoromethaneDETSC 3432^* 1ug/l<11,1-dichloroethyleneDETSC 3432^* 1ug/l<1	Bromomethane	DETSC 3432	1	ug/l	< 1
1,1-dichloroethylene DETSC 3432 1 ug/l < 1 Methylene Chloride DETSC 3432* 27 ug/l < 27	Chloroethane	DETSC 3432	1	ug/l	< 1
Methylene Chloride DETSC 3432* 27 ug/l <27 Trans-1,2-dichloroethylene DETSC 3432 1 ug/l <1	Trichlorofluoromethane	DETSC 3432*	1	ug/l	< 1
Trans-1,2-dichloroethylene DETSC 3432 1 ug/l < 1 1,1-dichloroethane DETSC 3432 1 ug/l < 1	1,1-dichloroethylene	DETSC 3432	1	ug/l	< 1
1,1-dichloroethane DETSC 3432 1 ug/l <1	Methylene Chloride	DETSC 3432*	27	ug/l	< 27
Cis-1,2-dichloroethylene DETSC 3432 1 ug/l < 1 2,2-dichloropropane DETSC 3432 2 ug/l < 2	Trans-1,2-dichloroethylene	DETSC 3432	1	ug/l	< 1
2,2-dichloropropane DETSC 3432 2 ug/l < 2	1,1-dichloroethane	DETSC 3432	1	ug/l	< 1
Bromochloromethane DETSC 3432 4 ug/l < 4 Chloroform DETSC 3432 1 ug/l < 1	Cis-1,2-dichloroethylene	DETSC 3432	1	ug/l	< 1
Chloroform DETSC 3432 1 ug/l < 1 1,1,1-trichloroethane DETSC 3432 1 ug/l < 1	2,2-dichloropropane	DETSC 3432	2	ug/l	< 2
Chloroform DETSC 3432 1 ug/l < 1 1,1,1-trichloroethane DETSC 3432 1 ug/l < 1	Bromochloromethane	DETSC 3432	4	ug/l	< 4
1,1,1-trichloroethane DETSC 3432 1 ug/l < 1	Chloroform	DETSC 3432	1		< 1
Carbon tetrachloride DETSC 3432 1 ug/l < 1 Benzene DETSC 3432 1 ug/l < 1	1,1,1-trichloroethane	DETSC 3432	1	ug/l	< 1
Carbon tetrachlorideDETSC 34321 ug/l < 1BenzeneDETSC 34321 ug/l < 1	1,1-dichloropropene	DETSC 3432	1		< 1
Benzene DETSC 3432 1 ug/l < 1 1,2-dichloroethane DETSC 3432 1 ug/l < 1	Carbon tetrachloride	DETSC 3432	1		< 1
1,2-dichloroethane DETSC 3432 1 ug/l < 1	Benzene	DETSC 3432	1		< 1
Trichloroethylene DETSC 3432* 1 ug/l < 1 1,2-dichloropropane DETSC 3432 1 ug/l < 1	1,2-dichloroethane	DETSC 3432	1		< 1
1,2-dichloropropane DETSC 3432 1 ug/l < 1	Trichloroethylene	DETSC 3432*	1		< 1
Dibromomethane DETSC 3432 1 ug/l < 1 Bromodichloromethane DETSC 3432 4 ug/l < 4	1,2-dichloropropane		1		< 1
Bromodichloromethane DETSC 3432 4 ug/l < 4 cis-1,3-dichloropropene DETSC 3432 1 ug/l < 1		DETSC 3432	1		< 1
cis-1,3-dichloropropene DETSC 3432 1 ug/l < 1 Toluene DETSC 3432 1 ug/l < 1					
Toluene DETSC 3432 1 ug/l < 1 trans-1,3-dichloropropene DETSC 3432 1 ug/l < 1					
trans-1,3-dichloropropeneDETSC 34321ug/l<11,1,2-trichloroethaneDETSC 34321ug/l<1					
1,1,2-trichloroethane DETSC 3432 1 ug/l < 1 Tetrachloroethylene DETSC 3432 1 ug/l < 1					
Tetrachloroethylene DETSC 3432 1 ug/l < 1 1,3-dichloropropane DETSC 3432 1 ug/l < 1					
1,3-dichloropropane DETSC 3432 1 ug/l <1					
	-				
	Dibromochloromethane	DETSC 3432	1	ug/l	< 1



			Lab No	
		6-		SBA_AUK_T
		.sa	mple ID	P102
			Depth	2.30
			Other ID	7
		-	ole Type	
		-	-	19/05/2021
		-	ng Time	n/s
Test	Method	LOD	Units	1
1,2-dibromoethane	DETSC 3432	1	ug/l	< 1
Chlorobenzene	DETSC 3432	1	ug/l	< 1
1,1,1,2-tetrachloroethane	DETSC 3432	1	ug/l	< 1
Ethylbenzene	DETSC 3432	1	ug/l	< 1
m+p-Xylene	DETSC 3432	2	ug/l	< 2
o-Xylene	DETSC 3432	1	ug/l	< 1
Styrene	DETSC 3432	1	ug/l	< 1
Bromoform	DETSC 3432	1	ug/l	< 1
Isopropylbenzene	DETSC 3432	1	ug/l	< 1
1,1,2,2-tetrachloroethane	DETSC 3432	1	ug/l	< 1
Bromobenzene	DETSC 3432	1	ug/l	< 1
1,2,3-trichloropropane	DETSC 3432	1	ug/l	< 1
n-propylbenzene	DETSC 3432	1	ug/l	< 1
2-chlorotoluene	DETSC 3432	1	ug/l	< 1
1,3,5-trimethylbenzene	DETSC 3432	1	ug/l	< 1
4-chlorotoluene	DETSC 3432	1	ug/l	< 1
Tert-butylbenzene	DETSC 3432	1	ug/l	< 1
1,2,4-trimethylbenzene	DETSC 3432	1	ug/l	< 1
sec-butylbenzene	DETSC 3432	1	ug/l	< 1
p-isopropyltoluene	DETSC 3432	1	ug/l	< 1
1,3-dichlorobenzene	DETSC 3432	2	ug/l	< 2
1,4-dichlorobenzene	DETSC 3432	1	ug/l	< 1
n-butylbenzene	DETSC 3432	1	ug/l	< 1
1,2-dichlorobenzene	DETSC 3432	1	ug/l	< 1
1,2-dibromo-3-chloropropane	DETSC 3432	1	ug/l	< 1
1,2,4-trichlorobenzene	DETSC 3432	1	ug/l	< 1
Hexachlorobutadiene	DETSC 3432	1	ug/l	< 1
1,2,3-trichlorobenzene	DETSC 3432	1	ug/l	< 1
MTBE	DETSC 3432*	1	ug/l	< 1
SVOCs				
Aniline	DETSC 3434*	1	ug/l	< 1.0
2-Chlorophenol	DETSC 3434*	1	ug/l	< 1.0
Benzyl Alcohol	DETSC 3434*	1	ug/l	< 1.0
2-Methylphenol	DETSC 3434*	1	ug/l	< 1.0
Bis(2-chloroisopropyl)ether	DETSC 3434*	1	ug/l	< 1.0
3&4-Methylphenol	DETSC 3434*	1	ug/l	< 1.0
Bis(2-chloroethoxy)methane	DETSC 3434*	1	ug/l	< 1.0
1,2,4-Trichlorobenzene	DETSC 3434*	1	ug/l	< 1.0
2-Methylnaphthalene	DETSC 3434*	1	ug/l	< 1.0
Hexachlorocyclopentadiene	DETSC 3434*	1	ug/l	< 1.0
2,4,5-Trichlorophenol	DETSC 3434*	1	ug/l	< 1.0



			Lab No	1851447
		_		SBA_AUK_T
		.Sa	mple ID	P102
			Depth	2.30
			Other ID	7
		-	le Type	ES
		-	-	19/05/2021
		-	ng Time	n/s
Test	Method	LOD	Units	
2-Chloronaphthalene	DETSC 3434*	1	ug/l	< 1.0
2-Nitroaniline	DETSC 3434*	1	ug/l	< 1.0
2,4-Dinitrotoluene	DETSC 3434*	1	ug/l	< 1.0
3-Nitroaniline	DETSC 3434*	1	ug/l	< 1.0
4-Nitrophenol	DETSC 3434*	1	ug/l	< 1.0
Dibenzofuran	DETSC 3434*	1	ug/l	< 1.0
2,6-Dinitrotoluene	DETSC 3434*	1	ug/l	< 1.0
2,3,4,6-Tetrachlorophenol	DETSC 3434*	1	ug/l	< 1.0
Diethylphthalate	DETSC 3434*	1	ug/l	< 1.0
4-Chlorophenylphenylether	DETSC 3434*	1	ug/l	< 1.0
4-Nitroaniline	DETSC 3434*	1	ug/l	< 1.0
Diphenylamine	DETSC 3434*	1	ug/l	< 1.0
4-Bromophenylphenylether	DETSC 3434*	1	ug/l	< 1.0
Hexachlorobenzene	DETSC 3434*	1	ug/l	< 1.0
Bis(2-ethylhexyl)ester	DETSC 3434*	1	ug/l	< 1.0
Pentachlorophenol	DETSC 3434*	1	ug/l	< 1.0
Di-n-butylphthalate	DETSC 3434*	1	ug/l	< 1.0
Butylbenzylphthalate	DETSC 3434*	1	ug/l	< 1.0
Bis(2-ethylhexyl)phthalate	DETSC 3434*	1	ug/l	< 1.0
Di-n-octylphthalate	DETSC 3434*	1	ug/l	< 1.0
1,4-Dinitrobenzene	DETSC 3434*	1	ug/l	< 1.0
Dimethylphthalate	DETSC 3434*	1	ug/l	< 1.0
1,3-Dinitrobenzene	DETSC 3434*	1	ug/l	< 1.0
2,3,5,6-Tetrachlorophenol	DETSC 3434*	1	ug/l	< 1.0
Azobenzene	DETSC 3434*	1	ug/l	< 1.0
Carbazole	DETSC 3434*	1	ug/l	< 1.0
1-Methylnaphthalene	DETSC 3434*	1	ug/l	< 1.0

I DETS

Summary of Asbestos Analysis Soil Samples

Our Ref 21-10896 *Client Ref* 4338

Contract Title Ground Investigation South Bank Area C

1051445 004			Material Type	negun	Comment*	Analyst
1851445 SBA_	_AUK_TP102 7 2.30	SBA_AUK_TP102_SO_0230	SOIL	NAD	none	Emma Stacey
1851446 SBA_	_AUK_TP103 1 0.20	SBA_AUK_TP103_SO_0020	SOIL	NAD	none	Emma Stacey

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * -not included in laboratory scope of accreditation.



Information in Support of the Analytical Results

Our Ref 21-10896 Client Ref 4338 Contract Ground Investigation South Bank Area C

Containers Received & Deviating Samples

		Date		Holding time exceeded for	Inappropriate container for
Lab No	Sample ID	Sampled	Containers Received	tests	tests
1851445	SBA_AUK_TP102 2.30 SOIL	19/05/21	GJ 250ml x2, GJ 60ml x2, PT 1L x2		
1851446	SBA_AUK_TP103 0.20 SOIL	19/05/21	GJ 250ml x2, GJ 60ml x2, PT 1L x2		
1851447	SBA_AUK_TP102 2.30 LEACHATE	19/05/21	GJ 250ml x2, GJ 60ml x2, PT 1L x2		

Key: G-Glass P-Plastic J-Jar T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

*Iib***ETS**

Appendix A - Details of Analysis

Method Parameter Units Detection Preparation Sub-Contract Wis Mode Ves Ves DETS-2000 Los on junton % 0.11 Alr Dried No Ves Ves DETS-2008 pH Disto Auguest Extract as SO4 mg/h 10 Alr Dried No Ves Ves DETS-2015 Subplate Auguest Extract as SO4 mg/h 0.5 Alr Dried No Ves Ves DETS-2016 Total Carbon % 0.5 Alr Dried No Ves Ves DETS-2016 Crande free mg/hg 0.1 Alr Dried No Ves Ves DETS-2016 Crande free mg/hg 0.1 Alr Dried No Ves Ves DETS-2016 Crande free mg/hg 0.1 Alr Dried No Ves Ves DETS-2017 Subplate Auguest Extratas No Ves Ves Ves DETS-2018 Subplat free mg/hg 0.1 <	••		•	Limit of Sample						
DFTS 2008USOLDAID DreidNoYesYesDFTS 20089Hoff Units10AID DreidNoYesYesDFTS 2007Sulphita Auguos Extrat as S04mg/n10AID DreidNoYesYesDFTS 2007Sulphita Auguos Extrat as S04mg/n0.5AID DreidNoYesYesDFTS 2018Candia CatonN0.5AID DreidNoYesYesDFTS 2018Candia Introgen as Nmg/ng0.1AID DreidNoYesYesDFTS 2131Candia Extra1mg/ng0.1AID DreidNoYesYesDFTS 2132Candia Extra1mg/ng0.6AID DreidNoYesYesDFTS 2132Disoparatemg/ng0.6AID DreidNoYesYesDFTS 2232Mercurymg/ng0.6AID DreidNoYesYesDFTS 2323Marcurymg/ng0.75AID DreidNoYesYesDFTS 2324Marcurymg/ng0.7AID DreidNoYesYesDFTS 2320Arabinutmg/ng0.7AID DreidNoYesYesDFTS 2321Distamamg/ng0.1AID DreidNoYesYesDFTS 2301Distamamg/ng0.1AID DreidNoYesYesDFTS 2302Distamamg/ng0.1AID DreidNoYesYesDFTS 2304Distama<	Method	Parameter	Units	Detection	Preparation	Sub-Contracted	UKAS	MCERTS		
DFTS 2008pHpHpH lulis1Air DredNoYesYesDFTS 2018Sulphate Ausour Strart as SOAmg/n10Air DredNoYesYesDFTS 2018Total Carbon%0.5Air DredNoYesYesDFTS 2018Total Carbon%0.5Air DredNoYesYesDFTS 2018Canadic Carbonmg/ke0.1Air DredNoYesYesDFTS 2018Canadic Carbonmg/ke0.1Air DredNoYesYesDFTS 2018Canadic Carbonmg/ke0.1Air DredNoYesYesDFTS 2018Canadic traitmg/ke0.6Air DredNoYesYesDFTS 2018Canadic traitmg/ke0.6Air DredNoYesYesDFTS 2018Canadic traitmg/ke0.75Air DredNoYesYesDFTS 2018Carbonmg/ke0.7Air DredNoYesYesDFTS 2018Carbonmg/ke0.7Air DredNoYesYesDFTS 2018Carbonmg/ke0.7Air DredNoYesYesDFTS 2018Carbonmg/ke0.7Air DredNoYesYesDFTS 2018Carbonmg/ke0.7Air DredNoYesYesDFTS 2018Carbonmg/ke0.7Air DredNoYesYesDFTS 2018Carbon <t< td=""><td>DETSC 2002</td><td>Organic matter</td><td>%</td><td>0.1</td><td>Air Dried</td><td>No</td><td>Yes</td><td>Yes</td></t<>	DETSC 2002	Organic matter	%	0.1	Air Dried	No	Yes	Yes		
DFIRS 2024 Supplies mg/fig 10 At Diried No Yes Yes DFIRS 2076 At Diried No Yes Yes Yes DFIRS 2078 Total Organic Carbon % 0.5 At Diried No Yes Yes DFIRS 2078 Total Organic Carbon % 0.5 At Diried No Yes Yes DFIRS 2018 Organide freci mg/fig 0.1 At Diried No Yes Yes DFIRS 2018 Organide freci mg/fig 0.3 At Diried No Yes Yes DFIRS 2018 Organide freci mg/fig 0.6 At Diried No Yes Yes DFIRS 2018 Organide freci mg/fig 0.5 At Diried No Yes Yes DFIRS 2018 Marchary mg/fig 0.2 At Diried No Yes Yes DFIRS 2018 Garhium Analysic mg/fig 0.1 At Diried No Yes <t< td=""><td>DETSC 2003</td><td>Loss on ignition</td><td>%</td><td>0.01</td><td>Air Dried</td><td>No</td><td>Yes</td><td>Yes</td></t<>	DETSC 2003	Loss on ignition	%	0.01	Air Dried	No	Yes	Yes		
DFTS 2007Sulphate Aqueono Extract as SO4mg/l10Ar DriedNoYesYesDFTS 2008Total Carbon%0.5Ar DriedNoYesYesDFTS 2018Orabl Carbon%0.5Ar DriedNoYesYesDFTS 2130Cyanide Intergen as Nmg/kg0.1Ar DriedNoYesYesDFTS 2131Cyanide Intergen as Nmg/kg0.6Air DriedNoYesYesDFTS 2331Thiocyanaremg/kg0.6Air DriedNoYesYesDFTS 2331Thiocyanaremg/kg0.6Air DriedNoYesYesDFTS 2331Thiocyanaremg/kg0.75Air DriedNoYesYesDFTS 2332Suphur (free)mg/kg0.2Air DriedNoYesYesDFTS 2341Suphur (free)mg/kg0.2Air DriedNoYesYesDFTS 2331Suphur (free)mg/kg0.1Air DriedNoYesYesDFTS 2341Suphur (free)mg/kg0.1Air DriedNoYesYesDFTS 2340Carbinin Availabilemg/kg0.1Air DriedNoYesYesDFTS 2341Carbinin Availabilemg/kg0.1Air DriedNoYesYesDFTS 2340Carbinin Availabilemg/kg0.1Air DriedNoYesYesDFTS 2340Cobeirmg/kg0.1Air DriedN	DETSC 2008	рН	pH Units	1	Air Dried	No	Yes	Yes		
DFISC208Total Carbon%0.5Ar DriedNoYesYesDFISC208Yould Organic Carbon%0.5Ar DriedNoYesYesDFISC2110Anmonizaci Nitrogen as Nmg/kg0.1Ar DriedNoYesYesDFISC2130Cyanide totalmg/kg0.1Ar DriedNoYesYesDFISC2130Cyanide totalmg/kg0.6Ar DriedNoYesYesDFISC2130Total Subhate as SO4%%0.1Ar DriedNoYesYesDFISC2321Total Subhate as SO4%%0.1Ar DriedNoYesYesDFISC2323Bercurymg/kg0.2Ar DriedNoYesYesDFISC2320Berriummg/kg0.2Ar DriedNoYesYesDFISC2301Garium Avalabemg/kg0.1Ar DriedNoYesYesDFISC2301Carbium Avalabemg/kg0.1Ar DriedNoYesYesDFISC2301Carbium Avalabemg/kg0.1Ar DriedNoYesYesDFISC2301Carbium Avalabemg/kg0.1Ar DriedNoYesYesDFISC2301Carbiummg/kg0.2Ar DriedNoYesYesDFISC2301Carbiummg/kg0.2Ar DriedNoYesYesDFISC2302Cobpermg/kg0.2Ar DriedNoYesYes<	DETSC 2024	Sulphide	mg/kg	10	Air Dried	No	Yes	Yes		
DFISC 2014Total Organic Carbon%0.5Air DiriedNoYesYesDFISC 2113Oryande freemg/kg0.1Air DiriedNoYesYesDFISC 2130Oryande freemg/kg0.1Air DiriedNoYesYesDFISC 2130Oryande totalmg/kg0.6Air DiriedNoYesYesDFISC 2321Thicoryanatemg/kg0.6Air DiriedNoYesYesDFISC 2321Total Sulphate as Sol4%0.01Air DiriedNoYesYesDFISC 2321Total Sulphate as Sol4%0.01Air DiriedNoYesYesDFISC 2321Sulphar (free)mg/kg0.75Air DiriedNoYesYesDFISC 2301Arsenicmg/kg0.2Air DiriedNoYesYesDFISC 2301Arsenicmg/kg0.1Air DiriedNoYesYesDFISC 2301Cadmiummg/kg0.1Air DiriedNoYesYesDFISC 2301Cadmiummg/kg0.1Air DiriedNoYesYesDFISC 2301Cadmiummg/kg0.1Air DiriedNoYesYesDFISC 2301Cadmiummg/kg0.1Air DiriedNoYesYesDFISC 2301Cadmiummg/kg0.1Air DiriedNoYesYesDFISC 2301Cadmiummg/kg0.1Air DiriedNoYesYes </td <td>DETSC 2076</td> <td>Sulphate Aqueous Extract as SO4</td> <td>mg/l</td> <td>10</td> <td>Air Dried</td> <td>No</td> <td>Yes</td> <td>Yes</td>	DETSC 2076	Sulphate Aqueous Extract as SO4	mg/l	10	Air Dried	No	Yes	Yes		
DETSC 2119 Ammoniacal Nitrogen as N mg/kg 0.5 Air Drind No Yes Yes DETSC 2130 Opinide fectal mg/kg 0.1 Air Drind No Yes Yes DETSC 2130 Opinide fectal mg/kg 0.3 Air Drind No Yes Yes DETSC 2130 Thocynate mg/kg 0.5 Air Drind No Yes Yes DETSC 2321 Total Subplute as SO4 % 0.5 Air Drind No Yes Yes DETSC 2330 Suphur (free) mg/kg 0.2 Air Drind No Yes Yes DETSC 2330 Baruin mg/kg 0.2 Air Drind No Yes Yes DETSC 2301 Gardmin Available mg/kg 0.1 Air Drind No Yes Yes DETSC 2301 Cadmiur Available mg/kg 0.1 Air Drind No Yes Yes DETSC 2301 Cadmiur Available mg/kg 0.1 Air	DETSC 2084	Total Carbon	%	0.5	Air Dried	No	Yes	Yes		
DFTS 2130 Cyanide free mg/kg 0.1 Air Dried No Yes Yes DFTS 2130 Phenol - Monohydric mg/kg 0.3 Air Dried No Yes Yes DFTS 2130 Thiocyanite mg/kg 0.6 Air Dried No Yes Yes DFTS 2130 Thiocyanite mg/kg 0.7 Air Dried No Yes Yes DFTS 2301 Suphur (free) mg/kg 0.7 Air Dried No Yes Yes DFTS 2301 Saroin Mercury mg/kg 0.2 Air Dried No Yes Yes DFTS 2301 Saroin mg/kg 0.2 Air Dried No Yes Yes DFTS 2301 Saroin mg/kg 0.2 Air Dried No Yes Yes DFTS 2301 Cadmum mg/kg 0.1 Air Dried No Yes Yes DFTS 2301 Cadmum mg/kg 0.1 Air Dried No	DETSC 2084	Total Organic Carbon	%	0.5	Air Dried	No	Yes	Yes		
DFISC 2130 Cyanide trali mg/kg 0.1 Air Dried No Yes Yes DFISC 2130 Thoiganate mg/kg 0.6 Air Dried No Yes Yes DFISC 2130 Thoiganate SO4 % 0.01 Air Dried No Yes Yes DFISC 2132 Mercury mg/kg 0.05 Air Dried No Yes Yes DFISC 2132 Broin (water soluble) mg/kg 0.2 Air Dried No Yes Yes DFISC 2130 Barum mg/kg 0.2 Air Dried No Yes Yes DFISC 2301 Barum mg/kg 0.1 Air Dried No Yes Yes DFISC 2301 Cadmium Aiable mg/kg 0.1 Air Dried No Yes Yes DFISC 2301 Cadmium Aiable mg/kg 0.1 Air Dried No Yes Yes DFISC 2301 Cadmium Aiable mg/kg 0.1 Air Dried	DETSC 2119	Ammoniacal Nitrogen as N	mg/kg	0.5	Air Dried	No	Yes	Yes		
DETSC 2130Phenol-Monohydnicmg/kg0.3Air DriedNoYesYesDETSC 2130Total Sulphate as SO4%0.01Air DriedNoYesYesDETSC 2341Total Sulphate as SO4%0.05Air DriedNoYesYesDETSC 2340Sulphar (free)mg/kg0.75Air DriedNoYesYesDETSC 2341Sulphar (free)mg/kg0.72Air DriedNoYesYesDETSC 2341Sarenicmg/kg0.2Air DriedNoYesYesDETSC 2341Sarenicmg/kg0.2Air DriedNoYesYesDETSC 2341Sarenicmg/kg0.1Air DriedNoYesYesDETSC 2341Cadmium Availablemg/kg0.1Air DriedNoYesYesDETSC 2341Cadmiummg/kg0.1Air DriedNoYesYesDETSC 2341Cadmiummg/kg0.1Air DriedNoYesYesDETSC 2341Cadmiummg/kg0.1Air DriedNoYesYesDETSC 2341Mangenesemg/kg0.2Air DriedNoYesYesDETSC 2341Mangenesemg/kg0.2Air DriedNoYesYesDETSC 2341Mangenesemg/kg0.3Air DriedNoYesYesDETSC 2341Mangenesemg/kg0.5Air DriedNoYesYes	DETSC 2130	Cyanide free	mg/kg	0.1	Air Dried	No	Yes	Yes		
DFTSC2130 Thiocyname mg/kg 0.6 Air Dried No Yes Yes DFTSC2235 Total Sulphate as SO4 % 0.01 Air Dried No Yes Yes DFTSC2235 Marcury mg/kg 0.07 Air Dried No Yes Yes DFTSC2130 Sinphur (free) mg/kg 0.2 Air Dried No Yes Yes DFTSC2130 Baron (water subthe) mg/kg 0.2 Air Dried No Yes Yes DFTSC2013 Beryllium mg/kg 0.1 Air Dried No Yes Yes DFTSC2010 Godmiurn Avalable mg/kg 0.1 Air Dried No Yes Yes DFTSC2010 Codmiurn mg/kg 0.7 Air Dried No Yes Yes DFTSC2010 Codmiurn mg/kg 0.2 Air Dried No Yes Yes DFTSC2010 Magnaces mg/kg 0.4 Air Dried No	DETSC 2130	Cyanide total	mg/kg	0.1	Air Dried	No	Yes	Yes		
DETSC 2321Total Subpate as SO4%0.01Air DriedNoYesYesDETSC 3308Sulphur (free)mg/kg0.75Air DriedNoYesYesDETSC 3108Sulphur (free)mg/kg0.2Air DriedNoYesYesDETSC 3108Storn (water soluble)mg/kg0.2Air DriedNoYesYesDETSC 3101Arenicmg/kg1.5Air DriedNoYesYesDETSC 3201Barlummg/kg0.1Air DriedNoYesYesDETSC 3201Cadmium Availabilemg/kg0.1Air DriedNoYesYesDETSC 3201Cadmium Availabilemg/kg0.1Air DriedNoYesYesDETSC 3201Cobaltmg/kg0.1Air DriedNoYesYesDETSC 3201Cobaltmg/kg0.1Air DriedNoYesYesDETSC 301Maybdenummg/kg0.1Air DriedNoYesYesDETSC 301Maybdenummg/kg1.4Air DriedNoYesYesDETSC 301Nickle1mg/kg0.5Air DriedNoYesYesDETSC 301Steinummg/kg1.4Air DriedNoYesYesDETSC 301Airbalt C1O-C12mg/kg1.4Air DriedNoYesYesDETSC 301Alphatic C1O-C12mg/kg1.5As ReceivedNoYesYes	DETSC 2130	Phenol - Monohydric	mg/kg	0.3	Air Dried	No	Yes	Yes		
DETS 2325Mercurymg/kg0.05Air DriedNoYesYesDETS 3349Sonon (water soluble)mg/kg0.2Air DriedNoYesYesDETS 2212Boron (water soluble)mg/kg0.2Air DriedNoYesYesDETS 2313Arcenicmg/kg0.2Air DriedNoYesYesDETS 2301Berylliummg/kg0.2Air DriedNoYesYesDETS 2301Cadmium Availablemg/kg0.1Air DriedNoYesYesDETS 2301Cadmium Availablemg/kg0.1Air DriedNoYesYesDETS 2301Cadmium Availablemg/kg0.1Air DriedNoYesYesDETS 2301Cadmium Availablemg/kg0.2Air DriedNoYesYesDETS 2301Marganesemg/kg0.4Air DriedNoYesYesDETS 2301Nadganesemg/kg0.4Air DriedNoYesYesDETS 2301Nadganesemg/kg0.3Air DriedNoYesYesDETS 2301Leadmg/kg1.0Air DriedNoYesYesDETS 2301Jalphatic C10-C12mg/kg1.0Air DriedNoYesYesDETS 2302Allphatic C10-C12mg/kg1.0Air BreeivedNoYesYesDETS 2302Allphatic C10-C12mg/kg1.0Air BreeivedNoY	DETSC 2130	Thiocyanate	mg/kg	0.6	Air Dried	No	Yes	Yes		
DETSC 20149Sulphur (free)mg/kg0.75Air DriedNoYesYesDETSC 2014Arsenicmg/kg0.2Air DriedNoYesYesDETSC 2014Bariummg/kg1.5Air DriedNoYesYesDETSC 2015Bariummg/kg0.1Air DriedNoYesYesDETSC 2016Cadmium Availablemg/kg0.1Air DriedNoYesYesDETSC 2016Cadmium Availablemg/kg0.1Air DriedNoYesYesDETSC 2016Cadmium Availablemg/kg0.15Air DriedNoYesYesDETSC 2016Cadmium Availablemg/kg0.15Air DriedNoYesYesDETSC 2016Coppermg/kg0.15Air DriedNoYesYesDETSC 2016Molydenummg/kg1Air DriedNoYesYesDETSC 2017Nickelmg/kg1Air DriedNoYesYesDETSC 2017Nickelmg/kg1Air DriedNoYesYesDETSC 2017Ailyaro 10-C3mg/kg1Air DriedNoYesYesDETSC 2017Ailyaro 10-C3mg/kg10As ReceivedNoYesYesDETSC 2017Ailyaro 10-C3mg/kg10As ReceivedNoYesYesDETSC 2017Ailyaro 10-C3mg/kg10As ReceivedNoYesYes<	DETSC 2321	Total Sulphate as SO4	%	0.01	Air Dried	No	Yes	Yes		
DETSC2123 Boron (water soluble) mg/kg 0.2 Air Dried No Yes Yes DETSC2201 Barlum mg/kg 0.2 Air Dried No Yes Yes DETSC2301 Barlum mg/kg 0.2 Air Dried No Yes Yes DETSC2301 Cadmum Available mg/kg 0.1 Air Dried No Yes Yes DETSC2301 Cadmum Available mg/kg 0.1 Air Dried No Yes Yes DETSC2301 Cobalt mg/kg 0.15 Air Dried No Yes Yes DETSC2301 Manganese mg/kg 0.4 Air Dried No Yes Yes DETSC2301 Makpdenum mg/kg 0.3 Air Dried No Yes Yes DETSC2301 Selenium mg/kg 10 As Received No Yes Yes DETSC3021 Aliphatic C10-C12 mg/kg 10 As Received No <	DETSC 2325	Mercury	mg/kg	0.05	Air Dried	No	Yes	Yes		
DETSC2301 Arsenic mg/kg 0.2 Air Dried No Yes Yes DETSC2301 Barum mg/kg 1.5 Air Dried No Yes Yes DETSC2301 Cadmium Available mg/kg 0.1 Air Dried No Yes Yes DETSC2301 Cadmium Available mg/kg 0.1 Air Dried No Yes Yes DETSC2301 Cadmium Available mg/kg 0.7 Air Dried No Yes Yes DETSC2301 Choper mg/kg 0.15 Air Dried No Yes Yes DETSC2301 Malybenum mg/kg 0.2 Air Dried No Yes Yes DETSC2301 Malybenum mg/kg 0.3 Air Dried No Yes Yes DETSC2301 Lead mg/kg 1.5 As Received No Yes Yes DETSC3012 Al/Aro Cl0-Cl3 mg/kg 1.0 As Received No Yes<	DETSC 3049	Sulphur (free)	mg/kg	0.75	Air Dried	No	Yes	Yes		
DFTSC2301Barlliummg/kg1.5Air DriedNoYesYesDFTSC2301Cadmium Availablemg/kg0.1Air DriedNoYesYesDFTSC2301Cadmium Availablemg/kg0.1Air DriedNoYesYesDFTSC2301Cabaliummg/kg0.1Air DriedNoYesYesDFTSC2301Cobalimg/kg0.15Air DriedNoYesYesDFTSC2301Coppermg/kg0.15Air DriedNoYesYesDFTSC2301Manganesemg/kg0.4Air DriedNoYesYesDFTSC2301Nickelmg/kg0.3Air DriedNoYesYesDFTSC2301Ickelmg/kg1.4Air DriedNoYesYesDFTSC2301Seleniummg/kg1.6Air DriedNoYesYesDFTSC2301Zincmg/kg1.0Air BriedNoYesYesDFTSC307Aliphatic C10-C12mg/kg1.0Air ReceivedNoYesYesDFTSC307Aliphatic C10-C12mg/kg1.0Air ReceivedNoYesYesDFTSC307Aliphatic C12-C16mg/kg1.0Air ReceivedNoYesYesDFTSC307Aliphatic C12-C16mg/kg1.0Air ReceivedNoYesYesDFTSC307Aliphatic C12-C16mg/kg1.0Air ReceivedNoYesYes <td< td=""><td>DETSC2123</td><td>Boron (water soluble)</td><td>mg/kg</td><td>0.2</td><td>Air Dried</td><td>No</td><td>Yes</td><td>Yes</td></td<>	DETSC2123	Boron (water soluble)	mg/kg	0.2	Air Dried	No	Yes	Yes		
DFTSC2301Barlliummg/kg1.5Air DriedNoYesYesDFTSC2301Cadmium Availablemg/kg0.1Air DriedNoYesYesDFTSC2301Cadmium Availablemg/kg0.1Air DriedNoYesYesDFTSC2301Cabaliummg/kg0.1Air DriedNoYesYesDFTSC2301Cobalimg/kg0.15Air DriedNoYesYesDFTSC2301Coppermg/kg0.15Air DriedNoYesYesDFTSC2301Manganesemg/kg0.4Air DriedNoYesYesDFTSC2301Nickelmg/kg0.3Air DriedNoYesYesDFTSC2301Ickelmg/kg1.4Air DriedNoYesYesDFTSC2301Seleniummg/kg1.6Air DriedNoYesYesDFTSC2301Zincmg/kg1.0Air BriedNoYesYesDFTSC307Aliphatic C10-C12mg/kg1.0Air ReceivedNoYesYesDFTSC307Aliphatic C10-C12mg/kg1.0Air ReceivedNoYesYesDFTSC307Aliphatic C12-C16mg/kg1.0Air ReceivedNoYesYesDFTSC307Aliphatic C12-C16mg/kg1.0Air ReceivedNoYesYesDFTSC307Aliphatic C12-C16mg/kg1.0Air ReceivedNoYesYes <td< td=""><td>DETSC2301</td><td>Arsenic</td><td></td><td>0.2</td><td>Air Dried</td><td>No</td><td>Yes</td><td>Yes</td></td<>	DETSC2301	Arsenic		0.2	Air Dried	No	Yes	Yes		
DFTSC2301Beryllummg/kg0.2Air DriedNoYesYesDFTSC2301Cadmium Availablemg/kg0.1Air DriedNoYesYesDFTSC2301Cobaltmg/kg0.7Air DriedNoYesYesDFTSC2301Chorniummg/kg0.7Air DriedNoYesYesDFTSC2301Chorniummg/kg0.2Air DriedNoYesYesDFTSC2301Manganesemg/kg0.2Air DriedNoYesYesDFTSC2301Molydenummg/kg0.3Air DriedNoYesYesDFTSC2301Kolelmg/kg0.3Air DriedNoYesYesDFTSC2301Leadmg/kg0.5Air DriedNoYesYesDFTSC2301Jal/Aro Clo-Clo-Clomg/kg1.5As ReceivedNoYesYesDFTSC3072Aliphatic Clo-Cl2mg/kg1.0As ReceivedNoYesYesDFTSC3072Aliphatic Clo-Cl2mg/kg1.0As ReceivedNoYesYesDFTSC3072Aliphatic Clo-Cl3mg/kg1.0As ReceivedNoYesYesDFTSC3072Aliphatic Clo-Cl2mg/kg1.0As ReceivedNoYesYesDFTSC3072Aliphatic Clo-Cl3mg/kg3.4As ReceivedNoYesYesDFTSC3072Aliphatic Clo-Cl3mg/kg1.0As ReceivedNoYesYe	DETSC2301	Barium		1.5	Air Dried	No	Yes	Yes		
DETSC2301Cadmium Availablemg/kg0.1Air DriedNoYesYesDETSC2301Cadmiummg/kg0.1Air DriedNoYesYesDETSC2301Chonlummg/kg0.15Air DriedNoYesYesDETSC2301Coppermg/kg0.15Air DriedNoYesYesDETSC2301Manganesemg/kg20Air DriedNoYesYesDETSC2301Molydenummg/kg0.4Air DriedNoYesYesDETSC2301Ikkelmg/kg0.3Air DriedNoYesYesDETSC2301Ikkelmg/kg0.5Air DriedNoYesYesDETSC2301Ikkelmg/kg1.0As ReceivedNoYesYesDETSC307All/Arc C10-C35mg/kg1.0As ReceivedNoYesYesDETSC3072Allphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Allphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Allphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Allphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Allphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Allphatic C10-C12mg/kg1.0As ReceivedNoYesYes	DETSC2301	Beryllium			Air Dried	No	Yes	Yes		
DFTSC2301Cahunimmg/kg0.1Air DriedNoYesYesDFTSC2301Cobaltmg/kg0.7Air DriedNoYesYesDFTSC2301Coppermg/kg0.15Air DriedNoYesYesDFTSC2301Manganesemg/kg0.2Air DriedNoYesYesDFTSC2301Molydenummg/kg0.4Air DriedNoYesYesDFTSC2301Nickelmg/kg0.3Air DriedNoYesYesDFTSC2301Leadmg/kg0.3Air DriedNoYesYesDFTSC2301Leadmg/kg0.3Air DriedNoYesYesDFTSC3072Ali/Aro C10-C35mg/kg10Air DriedNoYesYesDFTSC3072Aliphatic C10-C12mg/kg10As ReceivedNoYesYesDFTSC3072Aliphatic C10-C135mg/kg10As ReceivedNoYesYesDFTSC3072Aliphatic C12-C16mg/kg10As ReceivedNoYesYesDFTSC3072Aliphatic C12-C16mg/kg10As ReceivedNoYesYesDFTSC3072Aliphatic C12-C16mg/kg0.4As ReceivedNoYesYesDFTSC3072Aliphatic C12-C16mg/kg0.4As ReceivedNoYesYesDFTSC3072Aliphatic C12-C16mg/kg0.5As ReceivedNoYesYes <t< td=""><td>DETSC2301</td><td>Cadmium Available</td><td></td><td></td><td>Air Dried</td><td>No</td><td>Yes</td><td>Yes</td></t<>	DETSC2301	Cadmium Available			Air Dried	No	Yes	Yes		
DETSC2301Cobaltmg/kg0.7Air DriedNoYesYesDETSC2301Chromiummg/kg0.15Air DriedNoYesYesDETSC2301Koppermg/kg0.2Air DriedNoYesYesDETSC2301Molydoenummg/kg0.4Air DriedNoYesYesDETSC2301kolydoenummg/kg0.4Air DriedNoYesYesDETSC2301kickelmg/kg0.3Air DriedNoYesYesDETSC2301seleniummg/kg0.5Air DriedNoYesYesDETSC2301Seleniummg/kg1.5As ReceivedNoYesYesDETSC3072Aliphatic C10-C12mg/kg1.5As ReceivedNoYesYesDETSC3072Aliphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Aliphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Aliphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Aliphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Aliphatic C10-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Aliphatic C1-C12mg/kg1.0As ReceivedNoYesYesDETSC3072Aliphatic C1-C12mg/kg1.0As ReceivedNoYes	DETSC2301	Cadmium		0.1	Air Dried	No	Yes	Yes		
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	DETSC 3311	ерн (С10-С40)	mg/kg	10	As Received	No	Yes	Yes		

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Appendix A - Details of Analysis

		-	Limit of	Sample			
Method	Parameter	Units	Detection	Preparation	Sub-Contracted	UKAS	MCERTS
DETSC 3303	Acenaphthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Acenaphthylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(a)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(b)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(k)fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Benzo(g,h,i)perylene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Dibenzo(a,h)anthracene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Fluoranthene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Indeno(1,2,3-c,d)pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Naphthalene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Phenanthrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3303	Pyrene	mg/kg	0.03	As Received	No	Yes	Yes
DETSC 3401	PCB 28 + PCB 31	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 52	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 101	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 118	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 153	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 138	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB 180	mg/kg	0.01	As Received	No	Yes	Yes
DETSC 3401	PCB Total	mg/kg	0.01	As Received	No	Yes	Yes

Method details are shown only for those determinands listed in Annex A of the MCERTS standard. Anything not included on this list falls outside the scope of MCERTS. No Recovery Factors are used in the determination of results. Results reported assume 100% recovery. Full method statements are available on request.

End of Report