Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

Newport City Council
Civic Centre
Newport
NP20 4UR

Attention: Meirion Humphreys

CERTIFICATE OF ANALYSIS

Date:	19 November 2018
Customer:	H_NCC_NPT
Sample Delivery Group (SDG):	181030-11
Your Reference:	
Location:	Docksway Landfill Site
Report No:	481673

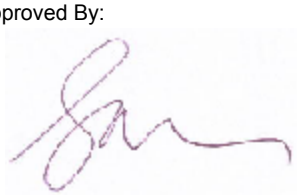
This report has been revised and directly supersedes 480622 in its entirety.

We received 19 samples on Tuesday October 30, 2018 and 19 of these samples were scheduled for analysis which was completed on Monday November 19, 2018. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

Approved By:



Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
18629699	C3_Asb		0.00 - 0.00	29/10/2018
18629674	GP07_05		0.00 - 0.00	29/10/2018
18629747	GW03_09		0.00 - 0.00	29/10/2018
18629642	GW06_13		0.00 - 0.00	29/10/2018
18629770	GW06_34		0.00 - 0.00	29/10/2018
18629604	GW06_36		0.00 - 0.00	29/10/2018
18629616	GW06_37		0.00 - 0.00	29/10/2018
18629653	GW06_39		0.00 - 0.00	29/10/2018
18629686	GW07_07		0.00 - 0.00	29/10/2018
18629664	GW07_40		0.00 - 0.00	29/10/2018
18629724	GW09_31		0.00 - 0.00	29/10/2018
18629736	GW09_32		0.00 - 0.00	29/10/2018
18629593	GW09_35		0.00 - 0.00	29/10/2018
18629713	GW12_30		0.00 - 0.00	29/10/2018
18629757	GW12_33		0.00 - 0.00	29/10/2018
18629626	GW12_38		0.00 - 0.00	29/10/2018
18629588	SW_23		0.00 - 0.00	29/10/2018
18629705	SW_24		0.00 - 0.00	29/10/2018
18629709	SW_1A		0.00 - 0.00	29/10/2018

Maximum Sample/Coolbox Temperature (°C) : **8.0**

ISO5667-3 Water quality - Sampling - Part3 -
During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

CERTIFICATE OF ANALYSIS

Validated

SDG: 181030-11	**Client Reference:**	**Report Number:**	481673
Location: Docksway Landfill Site	**Order Number:** 700124102	**Superseded Report:**	480622

Results Legend

- X Test
- N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			18629699			18629674					18629747						18629642					
Customer Sample Reference			C3_Asb			GP07_05					GW03_09						GW06_13					
AGS Reference																						
Depth (m)			0.00 - 0.00			0.00 - 0.00					0.00 - 0.00						0.00 - 0.00					
Container			250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)
Sample Type			GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Alkalinity as CaCO3	All	NDPs: 0 Tests: 14											X						X			
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 19			X			X						X						X		
Anions by Kone (w)	All	NDPs: 0 Tests: 18		X									X						X			
Asbestos in Water*	All	NDPs: 0 Tests: 1		X																		
BOD True Total	All	NDPs: 0 Tests: 17	X									X						X				
COD Unfiltered	All	NDPs: 0 Tests: 18	X									X						X				
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 18		X									X						X			
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 15							X						X						X	
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 15					X						X						X			
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 13									X						X					
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 15				X					X						X					
Ionic Balance	All	NDPs: 0 Tests: 13											X						X			
Mercury Dissolved	All	NDPs: 0 Tests: 15					X						X						X			
Nitrite by Kone (w)	All	NDPs: 0 Tests: 13													X						X	
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 14									X						X					

18629653	GW06_39		0.00 - 0.00	250ml BOD (ALE212)	GW					X	X									
				0.5l glass bottle (ALE227)	GW										X	X				X
18629616	GW06_37		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW								X						X	
				H2SO4 (ALE244)	GW		X													
				500ml Plastic (ALE208)	GW	X		X				X		X			X	X		
				250ml BOD (ALE212)	GW					X	X									
				0.5l glass bottle (ALE227)	GW										X	X				X
18629604	GW06_36		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW								X						X	
				H2SO4 (ALE244)	GW		X													
				500ml Plastic (ALE208)	GW	X		X				X		X			X	X		X
				250ml BOD (ALE212)	GW					X	X									
				0.5l glass bottle (ALE227)	GW										X	X				
18629770	GW06_34		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW								X						X	
				H2SO4 (ALE244)	GW		X													
				500ml Plastic (ALE208)	GW	X		X				X		X			X	X		
				250ml BOD (ALE212)	GW					X	X									
				0.5l glass bottle (ALE227)	GW										X	X				X

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			18629699	18629674	18629747	18629642
Customer Sample Reference			C3_Asb	GP07_05	GW03_09	GW06_13
AGS Reference						
Depth (m)			0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Container			250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)
Sample Type			GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Pesticides (Suite I) by GCMS	All	NDPs: 0 Tests: 15				X					X						X					
Pesticides (Suite II) by GCMS	All	NDPs: 0 Tests: 15				X					X						X					
Pesticides (Suite III) by GCMS	All	NDPs: 0 Tests: 15				X					X						X					
pH Value	All	NDPs: 0 Tests: 18		X									X						X			
Phenols by HPLC (W)	All	NDPs: 0 Tests: 15						X						X						X		
Phosphate by Kone (w)	All	NDPs: 0 Tests: 13											X						X			
Sulphide	All	NDPs: 0 Tests: 13											X						X			
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 15				X					X						X					
VOC MS (W)	All	NDPs: 0 Tests: 15								X						X						X

18629653	GW06_39		0.00 - 0.00	250ml BOD (ALE212)	GW		
				0.5l glass bottle (ALE227)	GW	X	
18629616	GW06_37		0.00 - 0.00	Vial (ALE297)	GW		X
				NaOH (ALE245)	GW		
				H2SO4 (ALE244)	GW		
				500ml Plastic (ALE208)	GW		
				250ml BOD (ALE212)	GW		
				0.5l glass bottle (ALE227)	GW	X	
18629604	GW06_36		0.00 - 0.00	Vial (ALE297)	GW		X
				NaOH (ALE245)	GW		
				H2SO4 (ALE244)	GW	X	
				500ml Plastic (ALE208)	GW	X	
				250ml BOD (ALE212)	GW		
				0.5l glass bottle (ALE227)	GW	X	
18629770	GW06_34		0.00 - 0.00	Vial (ALE297)	GW		X
				NaOH (ALE245)	GW		
				H2SO4 (ALE244)	GW	X	
				500ml Plastic (ALE208)	GW	X	
				250ml BOD (ALE212)	GW		
				0.5l glass bottle (ALE227)	GW	X	

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)					18629653					18629686					18629664					18629724				
Customer Sample Reference					GW06_39					GW07_07					GW07_40					GW09_31				
AGS Reference																								
Depth (m)					0.00 - 0.00					0.00 - 0.00					0.00 - 0.00					0.00 - 0.00				
Container					500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)
Sample Type					GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Alkalinity as CaCO3	All	NDPs: 0 Tests: 14			X					X						X						X		
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 19				X					X						X						X	
Anions by Kone (w)	All	NDPs: 0 Tests: 18			X					X						X						X		
BOD True Total	All	NDPs: 0 Tests: 17													X						X			
COD Unfiltered	All	NDPs: 0 Tests: 18								X					X						X			
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 18			X					X						X						X		
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 15					X					X						X						X
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 15			X					X						X						X		
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 13												X						X				
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 15							X					X						X				
Ionic Balance	All	NDPs: 0 Tests: 13			X											X						X		
Mercury Dissolved	All	NDPs: 0 Tests: 15			X					X						X						X		
Nitrite by Kone (w)	All	NDPs: 0 Tests: 13					X											X						X
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 14							X					X						X				
Pesticides (Suite I) by GCMS	All	NDPs: 0 Tests: 15							X					X						X				

18629757	GW12_33		0.00 - 0.00	250ml BOD (ALE212)	GW				X	X										
				0.5l glass bottle (ALE227)	GW									X	X				X	X
18629713	GW12_30		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X						X		
				H2SO4 (ALE244)	GW		X													
				500ml Plastic (ALE208)	GW	X		X			X		X	X	X	X	X		X	X
				250ml BOD (ALE212)	GW				X	X										
18629593	GW09_35		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X						X		
				H2SO4 (ALE244)	GW		X													
				500ml Plastic (ALE208)	GW	X		X			X		X			X	X			
				250ml BOD (ALE212)	GW				X	X										
				0.5l glass bottle (ALE227)	GW									X	X				X	X
18629736	GW09_32		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X						X		
				H2SO4 (ALE244)	GW		X													
				500ml Plastic (ALE208)	GW	X		X			X		X			X	X			
				250ml BOD (ALE212)	GW				X	X										
				0.5l glass bottle (ALE227)	GW									X	X				X	X
18629724	GW09_31		0.00 - 0.00	Vial (ALE297)	GW															

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)					18629653					18629686					18629664					18629724		
Customer Sample Reference					GW06_39					GW07_07					GW07_40					GW09_31		
AGS Reference																						
Depth (m)					0.00 - 0.00					0.00 - 0.00					0.00 - 0.00					0.00 - 0.00		
Container					500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	0.5l glass bottle (ALE227)	250ml BOD (ALE212)	500ml Plastic (ALE208)	H2SO4 (ALE244)	NaOH (ALE245)
Sample Type					GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Pesticides (Suite II) by GCMS	All	NDPs: 0 Tests: 15							X					X						X				
Pesticides (Suite III) by GCMS	All	NDPs: 0 Tests: 15							X					X						X				
pH Value	All	NDPs: 0 Tests: 18			X					X						X							X	
Phenols by HPLC (W)	All	NDPs: 0 Tests: 15				X					X						X							X
Phosphate by Kone (w)	All	NDPs: 0 Tests: 13			X											X							X	
Sulphide	All	NDPs: 0 Tests: 13			X											X							X	
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 15							X					X						X				
Total Organic and Inorganic Carbon	All	NDPs: 0 Tests: 1									X													
VOC MS (W)	All	NDPs: 0 Tests: 15						X					X						X					

18629757	GW12_33		0.00 - 0.00	250ml BOD (ALE212)	GW											
				0.5l glass bottle (ALE227)	GW		X		X						X		
18629713	GW12_30		0.00 - 0.00	Vial (ALE297)	GW											X
				NaOH (ALE245)	GW											
				H2SO4 (ALE244)	GW						X					
				500ml Plastic (ALE208)	GW		X		X		X		X		X	
				250ml BOD (ALE212)	GW											
18629593	GW09_35		0.00 - 0.00	Vial (ALE297)	GW											X
				NaOH (ALE245)	GW											
				H2SO4 (ALE244)	GW						X					
				500ml Plastic (ALE208)	GW				X				X			
				250ml BOD (ALE212)	GW											
				0.5l glass bottle (ALE227)	GW		X		X						X	
18629736	GW09_32		0.00 - 0.00	Vial (ALE297)	GW											X
				NaOH (ALE245)	GW											
				H2SO4 (ALE244)	GW						X					
				500ml Plastic (ALE208)	GW				X				X			
				250ml BOD (ALE212)	GW											
				0.5l glass bottle (ALE227)	GW		X		X						X	
18629724	GW09_31		0.00 - 0.00	Vial (ALE297)	GW											X

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type
			18629757	GW12_33		0.00 - 0.00	500ml Plastic (ALE208)	GW
							H2SO4 (ALE244)	GW
							NaOH (ALE245)	GW
							Vial (ALE297)	GW
							0.5l glass bottle (ALE227)	GW
							250ml BOD (ALE212)	GW
							500ml Plastic (ALE208)	GW
							H2SO4 (ALE244)	GW
							NaOH (ALE245)	GW
							Vial (ALE297)	GW
			18629626	GW12_38		0.00 - 0.00	250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
							250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
			18629588	SW_23		0.00 - 0.00	250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
			18629705	SW_24		0.00 - 0.00	250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
			18629709	SW_1A		0.00 - 0.00	250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
Alkalinity as CaCO3	All	NDPs: 0 Tests: 14					X	
							X	
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 19						
								X
							X	
								X
							X	
Anions by Kone (w)	All	NDPs: 0 Tests: 18						
							X	
								X
							X	
								X
BOD True Total	All	NDPs: 0 Tests: 17						
							X	
								X
							X	
								X
COD Unfiltered	All	NDPs: 0 Tests: 18						
							X	
								X
							X	
								X
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 18						
							X	
								X
							X	
								X
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 15						
							X	
								X
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 15						
							X	
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 13						
							X	
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 15						
							X	
Ionic Balance	All	NDPs: 0 Tests: 13						
							X	
								X
							X	
								X
Mercury Dissolved	All	NDPs: 0 Tests: 15						
							X	
								X
							X	
								X
Nitrite by Kone (w)	All	NDPs: 0 Tests: 13						
							X	
								X
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 14						
							X	
Pesticides (Suite I) by GCMS	All	NDPs: 0 Tests: 15						
							X	

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
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TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type
			18629757	GW12_33		0.00 - 0.00	500ml Plastic (ALE208)	GW
							H2SO4 (ALE244)	GW
							NaOH (ALE245)	GW
							Vial (ALE297)	GW
							0.5l glass bottle (ALE227)	GW
							250ml BOD (ALE212)	GW
							500ml Plastic (ALE208)	GW
							H2SO4 (ALE244)	GW
							NaOH (ALE245)	GW
							Vial (ALE297)	GW
			18629626	GW12_38		0.00 - 0.00	250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
							250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
			18629588	SW_23		0.00 - 0.00	250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
			18629705	SW_24		0.00 - 0.00	250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
			18629709	SW_1A		0.00 - 0.00	250ml BOD (ALE212)	SW
							500ml Plastic (ALE208)	SW
							H2SO4 (ALE244)	SW
Pesticides (Suite II) by GCMS	All	NDPs: 0 Tests: 15						
					X			
Pesticides (Suite III) by GCMS	All	NDPs: 0 Tests: 15						
					X			
pH Value	All	NDPs: 0 Tests: 18						
			X				X	
Phenols by HPLC (W)	All	NDPs: 0 Tests: 15						
				X				X
Phosphate by Kone (w)	All	NDPs: 0 Tests: 13						
			X				X	
Sulphide	All	NDPs: 0 Tests: 13						
			X				X	
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 15						
					X			
VOC MS (W)	All	NDPs: 0 Tests: 15						
				X				X

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	C3_Asb	GP07_05	GW03_09	GW06_13	GW06_34	GW06_36
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629699	18629674	18629747	18629642	18629770	18629604
			AGS Reference						
Ionic balance	% Diff	Calulation				-3.56	-6.3	-2.54	-4.6
Description of Sample*		SUB (ASB)		See Attached					
Asbestos Identification*		SUB (ASB)		Not Detected					
Alkalinity, Total as CaCO3	<2 mg/l	TM043				475 #	865 #	605 #	930 #
BOD, unfiltered	<1 mg/l	TM045		<1 #		<1 #	<1 #	11.5 #	2.56 #
Carbon, Organic (diss.filt)	<3 mg/l	TM090				10.6	15.7	16.6	13.2 ♦
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099		<0.2 #	5.55 #	2.92 #	9.78 #	5.24 #	9.57 #
Sulphide	<0.01 mg/l	TM101				0.0199 2 #	<0.01 2 #	0.47 2 #	<0.01 2 #
COD, unfiltered	<7 mg/l	TM107		56.4 #		48.4 #	119 #	58.2 #	120 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		1.85 #		2.05 #	7.3 #	1.31 #	9.86 #
Arsenic (diss.filt)	<0.5 µg/l	TM152			37.1 2 #	3.65 2 #	3.72 2 #	13.2 2 #	4.17 2 #
Boron (diss.filt)	<10 µg/l	TM152				503 2 #	1550 2 #	720 2 #	1410 2 #
Cadmium (diss.filt)	<0.08 µg/l	TM152				<0.08 2 #	<0.08 2 #	<0.08 2 #	<0.08 2 #
Chromium (diss.filt)	<1 µg/l	TM152				<1 2 #	<1 2 #	<1 2 #	<1 2 #
Copper (diss.filt)	<0.3 µg/l	TM152				<0.3 2 #	<0.3 2 #	<0.3 2 #	<0.3 2 #
Lead (diss.filt)	<0.2 µg/l	TM152				<0.2 2 #	<0.2 2 #	<0.2 2 #	<0.2 2 #
Manganese (diss.filt)	<3 µg/l	TM152				565 2 #	200 2 #	2590 2 #	333 2 #
Nickel (diss.filt)	<0.4 µg/l	TM152			6.14 2 #	4.31 2 #	0.938 2 #	1.39 2 #	1.65 2 #
Selenium (diss.filt)	<1 µg/l	TM152				<1 2 #	<1 2 #	<1 2 #	<1 2 #
Zinc (diss.filt)	<1 µg/l	TM152				5.27 2 #	<1 2 #	<1 2 #	<1 2 #
Sodium (Dis.Filt)	<0.076 mg/l	TM152				271 2 #	1190 2 #	98.7 2 #	1690 2 #
Magnesium (Dis.Filt)	<0.036 mg/l	TM152				39.7 2 #	203 2 #	46.5 2 #	223 2 #
Potassium (Dis.Filt)	<0.2 mg/l	TM152			18.4 2 #	16.6 2 #	50.8 2 #	19.8 2 #	59.4 2 #
Calcium (Dis.Filt)	<0.2 mg/l	TM152				121 2 #	120 2 #	144 2 #	181 2 #
Iron (Dis.Filt)	<0.019 mg/l	TM152				<0.019 2 #	0.0394 2 #	0.0249 2 #	0.0311 2 #
Hardness, Total as CaCO3	<0.65 mg/l	TM152				466 2	1140 2	552 2	1370 2
EPH Range >C10 - C40 (aq)	<100 µg/l	TM172			316	<100	<100	<100	<100
Mercury (diss.filt)	<0.01 µg/l	TM183			<0.01 2 #	<0.01 2 #	<0.01 2 #	<0.01 2 #	<0.01 2 #
Nitrite as NO2	<0.05 mg/l	TM184				<0.05 #	<0.05 #	<0.05 #	<0.05 #
Phosphate (Ortho as PO4)	<0.05 mg/l	TM184				0.487 #	3.45 #	4.58 #	7.2 #
Sulphate	<2 mg/l	TM184				171 #	139 #	43.5 #	125 #
Chloride	<2 mg/l	TM184		286 #		351 #	2360 #	129 #	3230 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			C3_Asb	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629699	
			GP07_05	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629674	
			GW03_09	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629747	
			GW06_13	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629642	
			GW06_34	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629770	
			GW06_36	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629604	
Nitrate as NO3	<0.3 mg/l	TM184				10.6	<0.3	<0.3	<0.3		
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184				2.4 #	<0.1 #	<0.1 #	<0.1 #		
Cyanide, Total	<0.05 mg/l	TM227			<0.05 #	<0.05 #	<0.05 #	<0.05 #	<0.05 #		
Cyanide, Free	<0.05 mg/l	TM227			<0.05 #						
pH	<1 pH Units	TM256	7.99 #			7.65 #	7.9 #	7.98 #	7.73 #		
Phenols, Total Detected monohydric	<0.016 mg/l	TM259			<0.016 #	<0.016 #	<0.016 #	<0.016 #	<0.016 #		
Dibutyl tin	<5 ng/l	TM328				<5	<5	<5	<15		
Tributyl tin	<1 ng/l	TM328				<1	<1	<1	<3		
Tetrabutyl tin	<2 ng/l	TM328				<2	<2	<2	<6		
Triphenyl tin	<1 ng/l	TM328				<1	<1	<1	<3		
Surrogate	%	TM328				109	113	50.1	80.8		
Trifluralin	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
alpha-HCH	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
gamma-HCH (Lindane)	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
Heptachlor	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
Aldrin	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
beta-HCH	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
Isodrin	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
delta-HCH	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
Heptachlor epoxide	<0.01 µg/l	TM343			<0.02	<0.01	<0.02	<0.01	<0.02		
o,p'-DDE	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
Endosulphan I	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
trans-Chlordane	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
cis-Chlordane	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
p,p'-DDE	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
Dieldrin	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
o,p'-DDD (TDE)	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
Endrin	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
o,p'-DDT	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
p,p'-DDD (TDE)	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		
Endosulphan II	<0.02 µg/l	TM343			<0.02	<0.02	<0.02	<0.02	<0.02		
p,p'-DDT	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01		

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	C3_Asb	GP07_05	GW03_09	GW06_13	GW06_34	GW06_36
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629699	18629674	18629747	18629642	18629770	18629604
			AGS Reference						
o,p'-Methoxychlor	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01
p,p'-Methoxychlor	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01
Endosulphan Sulphate	<0.02 µg/l	TM343			<0.02	<0.02	<0.02	<0.02	<0.02
Permethrin I	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01
Permethrin II	<0.01 µg/l	TM343			<0.01	<0.01	<0.01	<0.01	<0.01
1,3,5-Trichlorobenzene	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
1,2,4-Trichlorobenzene	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichlorobenzene	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Dichlorvos	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Dichlobenil	<0.01 µg/l	TM344			<0.01	0.312	<0.01	<0.01	<0.01
Mevinphos	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Tecnazene	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Demeton-S-methyl	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Phorate	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.02	<0.01
Diazinon	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Triallate	<0.01 µg/l	TM344			<0.01	<0.01	0.0109	<0.01	<0.01
Atrazine	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Simazine	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Disulfoton	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Propetamphos	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Chlorpyriphos-methyl	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Dimethoate	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Pirimiphos-methyl	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Chlorpyriphos	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Methyl Parathion	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Malathion	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Fenthion	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Fenitrothion	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Triadimefon	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Parathion	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend	
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Component	LOD/Units	Method	Customer Sample Ref.	C3_Asb	GP07_05	GW03_09	GW06_13	GW06_34	GW06_36
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629699	18629674	18629747	18629642	18629770	18629604
			AGS Reference						
Chlorfenvinphos	<0.01 µg/l	TM344			<0.01		<0.01		<0.01
cis-Chlordane	<0.01 µg/l	TM344				<0.01		<0.01	
Ethion	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.01	<0.01
Carbophenothion	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.02	<0.01
Triazophos	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.02	<0.01
Phosalone	<0.01 µg/l	TM344			<0.01	<0.01	<0.01	<0.02	<0.01
Azinphos methyl	<0.02 µg/l	TM344			<0.02	<0.04	<0.04	<0.04	<0.02
Azinphos ethyl	<0.02 µg/l	TM344			<0.02	<0.02	<0.02	<0.04	<0.02
Etridiazole	<0.01 µg/l	TM345			<0.01	<0.01	<0.01	<0.01	<0.01
Propachlor	<0.01 µg/l	TM345			<0.01	<0.01	<0.01	<0.01	<0.01
Omethoate	<0.01 µg/l	TM345			<0.02	<0.02	<0.02	<0.02	<0.02
Propazine	<0.01 µg/l	TM345			<0.01	<0.01	<0.01	<0.01	<0.01
Alachlor	<0.01 µg/l	TM345			<0.01	<0.01	<0.01	<0.01	<0.01
Prometryn	<0.01 µg/l	TM345			<0.01	<0.01	<0.01	<0.01	<0.01
Terbutryn	<0.01 µg/l	TM345			<0.01	<0.01	<0.01	<0.01	<0.01
Chlorothalonil	<0.01 µg/l	TM345			<0.02	<0.02	<0.02	<0.02	<0.02
Trietazine	<0.01 µg/l	TM345			<0.01	<0.01	<0.01	<0.01	<0.01
Coumaphos	<0.01 µg/l	TM345			<0.01	<0.01	<0.01	<0.01	<0.01

Validated

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

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1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW06_37	GW06_39	GW07_07	GW07_40	GW09_31	GW09_32
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629616	18629653	18629686	18629664	18629724	18629736
			AGS Reference						
Ionic balance	% Diff	Calulation		-9.99	-4.84		-3.45	-1.29	-3.05
Alkalinity, Total as CaCO3	<2 mg/l	TM043		1090 #	1040 #	615 #	670 #	400 #	295 #
BOD, unfiltered	<1 mg/l	TM045		28 #	2.22 #		2.98 #	2.19 #	4.21 #
Carbon, Organic (diss.filt)	<3 mg/l	TM090		37.5	18.4		20.7	14	23.3
Organic Carbon, Total	<3 mg/l	TM090				20.6 #			
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099		35.3 #	3.97 #	7.85 #	11.7 #	3.23 #	6.56 #
Sulphide	<0.01 mg/l	TM101		1.16 2 #	<0.01 2 #		<0.01 2 #	0.126 2 #	<0.01 2 #
COD, unfiltered	<7 mg/l	TM107		238 #	97.8 #	64.4 #	52.1 #	56.8 #	73.4 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		13.5 #	5.75 #	1.95 #	1.99 #	1.29 #	2.1 #
Arsenic (diss.filt)	<0.5 µg/l	TM152		43.9 2 #	9.48 2 #	3.14 2 #	14.1 2 #	8.27 2 #	5.2 2 #
Boron (diss.filt)	<10 µg/l	TM152		2730 2 #	1310 2 #		1650 2 #	487 2 #	444 2 #
Cadmium (diss.filt)	<0.08 µg/l	TM152		<0.08 2 #	<0.08 2 #	<0.08 2 #	<0.08 2 #	<0.08 2 #	<0.08 2 #
Chromium (diss.filt)	<1 µg/l	TM152		<1 2 #	<1 2 #	<1 2 #	<1 2 #	<1 2 #	<1 2 #
Copper (diss.filt)	<0.3 µg/l	TM152		<0.3 2 #	<0.3 2 #	<0.3 2 #	<0.3 2 #	<0.3 2 #	<0.3 2 #
Lead (diss.filt)	<0.2 µg/l	TM152		<0.2 2 #	<0.2 2 #	<0.2 2 #	<0.2 2 #	<0.2 2 #	<0.2 2 #
Manganese (diss.filt)	<3 µg/l	TM152		486 2 #	533 2 #	637 2 #	152 2 #	945 2 #	795 2 #
Nickel (diss.filt)	<0.4 µg/l	TM152		1.47 2 #	5.01 2 #	3.47 2 #	2.23 2 #	3.38 2 #	3.8 2 #
Selenium (diss.filt)	<1 µg/l	TM152		<1 2 #	<1 2 #		<1 2 #	<1 2 #	<1 2 #
Zinc (diss.filt)	<1 µg/l	TM152		<1 2 #	1.66 2 #	<1 2 #	1.24 2 #	<1 2 #	1.56 2 #
Sodium (Dis.Filt)	<0.076 mg/l	TM152		2380 2 #	923 2 #	246 2 #	305 2 #	126 2 #	291 2 #
Magnesium (Dis.Filt)	<0.036 mg/l	TM152		274 2 #	141 2 #	49.5 2 #	57.6 2 #	40.7 2 #	28 2 #
Potassium (Dis.Filt)	<0.2 mg/l	TM152		88.8 2 #	46.2 2 #	18.4 2 #	29.6 2 #	17.2 2 #	25.1 2 #
Calcium (Dis.Filt)	<0.2 mg/l	TM152		85.9 2 #	160 2 #	114 2 #	43.2 2 #	120 2 #	118 2 #
Iron (Dis.Filt)	<0.019 mg/l	TM152		0.135 2 #	0.339 2 #		0.192 2 #	0.44 2 #	0.293 2 #
Hardness, Total as CaCO3	<0.65 mg/l	TM152		1350 2	980 2		345 2	467 2	411 2
EPH Range >C10 - C40 (aq)	<100 µg/l	TM172		<100	<100	139	<100	109	114
Mercury (diss.filt)	<0.01 µg/l	TM183		<0.01 2 #	<0.01 2 #	<0.01 2 #	<0.01 2 #	<0.01 2 #	<0.01 2 #
Nitrite as NO2	<0.05 mg/l	TM184		<0.05 #	<0.05 #		<0.05 #	<0.05 #	<0.05 #
Phosphate (Ortho as PO4)	<0.05 mg/l	TM184		6.2 #	1.06 #		8.33 #	<0.05 #	<0.05 #
Sulphate	<2 mg/l	TM184		<2 #	84.7 #	<2 #	28.2 #	188 #	365 #
Chloride	<2 mg/l	TM184		5070 #	1580 #	353 #	320 #	134 #	300 #
Nitrate as NO3	<0.3 mg/l	TM184		<0.3	<0.3		<0.3	<0.3	<0.3

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW06_37	GW06_39	GW07_07	GW07_40	GW09_31	GW09_32
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629616	18629653	18629686	18629664	18629724	18629736
			AGS Reference						
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184		<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #
Cyanide, Total	<0.05 mg/l	TM227		<0.05 #	<0.05 #	<0.05 #	<0.05 #	<0.05 #	<0.05 #
Cyanide, Free	<0.05 mg/l	TM227				<0.05 #			
pH	<1 pH Units	TM256		7.69 #	7.76 #	7.3 #	7.94 #	7.38 #	7.31 #
Phenols, Total Detected monohydric	<0.016 mg/l	TM259		<0.016 #	<0.016 #	<0.016 #	<0.016 #	<0.016 #	<0.016 #
Dibutyl tin	<5 ng/l	TM328		<5	<5	<5	<5	<5	<5
Tributyl tin	<1 ng/l	TM328		<1	<1	<1	<1	<1	<1
Tetrabutyl tin	<2 ng/l	TM328		<2	<2	<2	<2	<2	<2
Triphenyl tin	<1 ng/l	TM328		<1	<1	<1	<1	<1	<1
Surrogate	%	TM328		104	84.9	56.6	88.1	89.5	83.7
Trifluralin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-HCH	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-HCH (Lindane)	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aldrin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
beta-HCH	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Isodrin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
delta-HCH	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor epoxide	<0.01 µg/l	TM343		<0.01	<0.02	<0.01	<0.02	<0.01	<0.01
o,p'-DDE	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulphan I	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
trans-Chlordane	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
cis-Chlordane	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p,p'-DDE	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dieldrin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o,p'-DDD (TDE)	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o,p'-DDT	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p,p'-DDD (TDE)	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulphan II	<0.02 µg/l	TM343		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
p,p'-DDT	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o,p'-Methoxychlor	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW06_37	GW06_39	GW07_07	GW07_40	GW09_31	GW09_32
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629616	18629653	18629686	18629664	18629724	18629736
			AGS Reference						
p,p'-Methoxychlor	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulphan Sulphate	<0.02 µg/l	TM343		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Permethrin I	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Permethrin II	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3,5-Trichlorobenzene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,4-Trichlorobenzene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichlorobenzene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dichlorvos	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dichlobenil	<0.01 µg/l	TM344		<0.01	0.208	0.0809	<0.01	<0.01	<0.01
Mevinphos	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tecnazene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Demeton-S-methyl	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phorate	<0.01 µg/l	TM344		<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Diazinon	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triallate	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	0.012	<0.01
Atrazine	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Simazine	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Disulfoton	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propetamphos	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorpyriphos-methyl	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dimethoate	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pirimiphos-methyl	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorpyriphos	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methyl Parathion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Malathion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fenthion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fenitrothion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triadimefon	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Parathion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorfenvinphos	<0.01 µg/l	TM344		<0.01	<0.01		<0.01		

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW06_37	GW06_39	GW07_07	GW07_40	GW09_31	GW09_32
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629616	18629653	18629686	18629664	18629724	18629736
			AGS Reference						
cis-Chlordane	<0.01 µg/l	TM344				<0.01		<0.01	<0.01
Ethion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbophenothion	<0.01 µg/l	TM344		<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Triazophos	<0.01 µg/l	TM344		<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Phosalone	<0.01 µg/l	TM344		<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Azinphos methyl	<0.02 µg/l	TM344		<0.04	<0.02	<0.04	<0.02	<0.04	<0.04
Azinphos ethyl	<0.02 µg/l	TM344		<0.04	<0.02	<0.02	<0.02	<0.02	<0.02
Etridiazole	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propachlor	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Omethoate	<0.01 µg/l	TM345		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Propazine	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Alachlor	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Prometryn	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Terbutryn	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorothalonil	<0.01 µg/l	TM345		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Trietazine	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Coumaphos	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Validated

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW09_35	GW12_30	GW12_33	GW12_38	SW_23	SW_24
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Surface Water (SW)	Surface Water (SW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629593	18629713	18629757	18629626	18629588	18629705
			AGS Reference						
Ionic balance	% Diff	Calulation		-5.29	-1.98	-4	-3.93		
Alkalinity, Total as CaCO3	<2 mg/l	TM043		870 #	840 #	980 #	710 #		
BOD, unfiltered	<1 mg/l	TM045		<1 #	2.55 #	9.82 #	8.12 #	4.49 #	6.46 #
Carbon, Organic (diss.filt)	<3 mg/l	TM090		12.2	26.1	29.4	17.7		
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099		12.3 #	0.572 #	14.5 #	5.23 #	39.8 #	<0.2 #
Sulphide	<0.01 mg/l	TM101		<0.01 2 #	<0.01 2 #	<0.01 2 #	<0.01 2 #		
COD, unfiltered	<7 mg/l	TM107		139 #	76 #	87.2 #	110 #	64.4 #	33.2 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		11.2 #	2.57 #	4.04 #	6.04 #	2.92 #	0.452 #
Arsenic (diss.filt)	<0.5 µg/l	TM152		3.11 2 #	2.53 2 #	136 2 #	2.09 2 #		
Boron (diss.filt)	<10 µg/l	TM152		1340 2 #	849 2 #	1620 2 #	1390 2 #		
Cadmium (diss.filt)	<0.08 µg/l	TM152		<0.08 2 #	<0.08 2 #	<0.08 2 #	<0.08 2 #		
Chromium (diss.filt)	<1 µg/l	TM152		<1 2 #	<1 2 #	<1 2 #	<1 2 #		
Copper (diss.filt)	<0.3 µg/l	TM152		<0.3 2 #	<0.3 2 #	<0.3 2 #	2.07 2 #		
Lead (diss.filt)	<0.2 µg/l	TM152		<0.2 2 #	<0.2 2 #	<0.2 2 #	<0.2 2 #		
Manganese (diss.filt)	<3 µg/l	TM152		598 2 #	2190 2 #	651 2 #	697 2 #		
Nickel (diss.filt)	<0.4 µg/l	TM152		1.24 2 #	4.43 2 #	1.17 2 #	3.98 2 #		
Selenium (diss.filt)	<1 µg/l	TM152		<1 2 #	<1 2 #	<1 2 #	<1 2 #		
Zinc (diss.filt)	<1 µg/l	TM152		<1 2 #	1.12 2 #	1.48 2 #	7.75 2 #		
Sodium (Dis.Filt)	<0.076 mg/l	TM152		1860 2 #	395 2 #	568 2 #	942 2 #		
Magnesium (Dis.Filt)	<0.036 mg/l	TM152		272 2 #	64.4 2 #	122 2 #	136 2 #		
Potassium (Dis.Filt)	<0.2 mg/l	TM152		63.7 2 #	11.1 2 #	44.5 2 #	43.5 2 #		
Calcium (Dis.Filt)	<0.2 mg/l	TM152		239 2 #	113 2 #	115 2 #	254 2 #		
Iron (Dis.Filt)	<0.019 mg/l	TM152		0.129 2 #	0.0693 2 #	3.61 2 #	<0.019 2 #		
Hardness, Total as CaCO3	<0.65 mg/l	TM152		1720 2	549 2	789 2	1200 2		
EPH Range >C10 - C40 (aq)	<100 µg/l	TM172		<100	<100	<100	<100		
Mercury (diss.filt)	<0.01 µg/l	TM183		<0.01 2 #	<0.01 2 #	<0.01 2 #	<0.01 2 #		
Nitrite as NO2	<0.05 mg/l	TM184		<0.05 #	0.11 #	<0.05 #	1.85 #		
Phosphate (Ortho as PO4)	<0.05 mg/l	TM184		9.42 #	<0.05 #	0.359 #	0.131 #		
Sulphate	<2 mg/l	TM184		133 #	74.9 #	26.8 #	780 #		
Chloride	<2 mg/l	TM184		3920 #	393 #	916 #	1450 #	593 #	39.4 #
Nitrate as NO3	<0.3 mg/l	TM184		<0.3	<0.3	<0.3	<0.3		
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184		<0.1 #	<0.1 #	<0.1 #	0.609 #		

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW09_35	GW12_30	GW12_33	GW12_38	SW_23	SW_24
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Surface Water (SW)	Surface Water (SW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629593	18629713	18629757	18629626	18629588	18629705
			AGS Reference						
Cyanide, Total	<0.05 mg/l	TM227		<0.05 #	<0.05 #	<0.05 #	<0.05 #		
pH	<1 pH Units	TM256		7.64 #	7.29 #	7.47 #	7.45 #	7.72 #	7.89 #
Phenols, Total Detected monohydric	<0.016 mg/l	TM259		<0.016 #	<0.016 #	<0.016 #	<0.016 #		
Dibutyl tin	<5 ng/l	TM328		<5	<5	<5	<5		
Tributyl tin	<1 ng/l	TM328		<1	<1	<1	<1		
Tetrabutyl tin	<2 ng/l	TM328		<2	<2	<2	<2		
Triphenyl tin	<1 ng/l	TM328		<1	<1	<1	<1		
Surrogate	%	TM328		104	97.7	82.9	99.6		
Trifluralin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
alpha-HCH	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
gamma-HCH (Lindane)	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Heptachlor	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Aldrin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
beta-HCH	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Isodrin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
delta-HCH	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Heptachlor epoxide	<0.01 µg/l	TM343		<0.02	<0.01	<0.01	<0.01		
o,p'-DDE	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Endosulphan I	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
trans-Chlordane	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
cis-Chlordane	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
p,p'-DDE	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Dieldrin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
o,p'-DDD (TDE)	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Endrin	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
o,p'-DDT	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
p,p'-DDD (TDE)	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Endosulphan II	<0.02 µg/l	TM343		<0.02	<0.02	<0.02	<0.02		
p,p'-DDT	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
o,p'-Methoxychlor	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
p,p'-Methoxychlor	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Endosulphan Sulphate	<0.02 µg/l	TM343		<0.02	<0.02	<0.02	<0.02		

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW09_35	GW12_30	GW12_33	GW12_38	SW_23	SW_24
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Surface Water (SW)	Surface Water (SW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629593	18629713	18629757	18629626	18629588	18629705
			AGS Reference						
Permethrin I	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
Permethrin II	<0.01 µg/l	TM343		<0.01	<0.01	<0.01	<0.01		
1,3,5-Trichlorobenzene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Hexachlorobutadiene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
1,2,4-Trichlorobenzene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
1,2,3-Trichlorobenzene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Dichlorvos	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Dichlobenil	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Mevinphos	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Tecnazene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Hexachlorobenzene	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Demeton-S-methyl	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Phorate	<0.01 µg/l	TM344		<0.01	<0.02	<0.02	<0.01		
Diazinon	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Triallate	<0.01 µg/l	TM344		0.0136	<0.01	<0.01	<0.01		
Atrazine	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	0.0147		
Simazine	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Disulfoton	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Propetamphos	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Chlorpyriphos-methyl	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Dimethoate	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Pirimiphos-methyl	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Chlorpyriphos	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Methyl Parathion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Malathion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Fenthion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Fenitrothion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Triadimefon	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Parathion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		
Chlorfenvinphos	<0.01 µg/l	TM344		<0.01			<0.01		
cis-Chlordane	<0.01 µg/l	TM344			<0.01	<0.01			
Ethion	<0.01 µg/l	TM344		<0.01	<0.01	<0.01	<0.01		

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW09_35	GW12_30	GW12_33	GW12_38	SW_23	SW_24
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Surface Water (SW)	Surface Water (SW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629593	18629713	18629757	18629626	18629588	18629705
			AGS Reference						
Carbophenothion	<0.01 µg/l	TM344		<0.01	<0.02	<0.02	<0.01		
Triazophos	<0.01 µg/l	TM344		<0.01	<0.02	<0.02	<0.01		
Phosalone	<0.01 µg/l	TM344		<0.01	<0.02	<0.02	<0.01		
Azinphos methyl	<0.02 µg/l	TM344		<0.04	<0.04	<0.04	<0.04		
Azinphos ethyl	<0.02 µg/l	TM344		<0.02	<0.04	<0.04	<0.02		
Etridiazole	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01		
Propachlor	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01		
Omethoate	<0.01 µg/l	TM345		<0.02	<0.02	<0.02	<0.02		
Propazine	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01		
Alachlor	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01		
Prometryn	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01		
Terbutryn	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01		
Chlorothalonil	<0.01 µg/l	TM345		<0.02	<0.02	<0.02	<0.02		
Trietazine	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01		
Coumaphos	<0.01 µg/l	TM345		<0.01	<0.01	<0.01	<0.01		

Validated

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Customer Sample Ref.	SW_1A
Depth (m)	0.00 - 0.00
Sample Type	Surface Water (SW)
Date Sampled	29/10/2018
Sampled Time	.
Date Received	30/10/2018
SDG Ref	181030-11
Lab Sample No.(s)	18629709
AGS Reference	

Component	LOD/Units	Method	
BOD, unfiltered	<1 mg/l	TM045	<1 #
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099	0.303 #
COD, unfiltered	<7 mg/l	TM107	<7 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120	0.406 #
Chloride	<2 mg/l	TM184	21.8 #
pH	<1 pH Units	TM256	8.14 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GP07_05	GW03_09	GW06_13	GW06_34	GW06_36	GW06_37
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629674	18629747	18629642	18629770	18629604	18629616
			AGS Reference						
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Chlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Nitrophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
3-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
Azobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Acenaphthylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Acenaphthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<4 #	<2 #	<2 #	<2 #	<2 #	<2 #
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GP07_05	GW03_09	GW06_13	GW06_34	GW06_36	GW06_37
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629674	18629747	18629642	18629770	18629604	18629616
			AGS Reference						
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Carbazole (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chrysene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibenzofuran (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Diethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Fluorene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachloroethane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Nitrobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Naphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Isophorone (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
Phenanthrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW06_39	GW07_07	GW07_40	GW09_31	GW09_32	GW09_35
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629653	18629686	18629664	18629724	18629736	18629593
			AGS Reference						
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Chlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Nitrophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
3-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
Azobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Acenaphthylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Acenaphthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2 #	<2 #	<2 #	<2 #	<2 #	<2 #
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW06_39	GW07_07	GW07_40	GW09_31	GW09_32	GW09_35
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629653	18629686	18629664	18629724	18629736	18629593
			AGS Reference						
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Carbazole (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chrysene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibenzofuran (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Diethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5 #	<5 #	<5 #	<5 #	<5 #	<5 #
Fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Fluorene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachloroethane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Nitrobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Naphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Isophorone (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<1
Phenanthrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW12_30	GW12_33	GW12_38
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629713	18629757	18629626
			AGS Reference			
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2-Chlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
2-Nitrophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
3-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
4-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
4-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1
Azobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
Acenaphthylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
Acenaphthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
Anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2 #	<2 #	<2 #
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

SVOC MS (W) - Aqueous

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW12_30	GW12_33	GW12_38			
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00			
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)			
			Date Sampled	29/10/2018	29/10/2018	29/10/2018			
			Sampled Time	-	-	-			
			Date Received	30/10/2018	30/10/2018	30/10/2018			
			SDG Ref	181030-11	181030-11	181030-11			
			Lab Sample No.(s)	18629713	18629757	18629626			
			AGS Reference						
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Carbazole (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Chrysene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Dibenzofuran (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Diethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5 #	<5 #	<5 #			
Fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Fluorene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1			
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1			
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Hexachloroethane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Nitrobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Naphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Isophorone (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1			
Phenanthrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			
Pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #			

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GP07_05	GW03_09	GW06_13	GW06_34	GW06_36	GW06_37
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629674	18629747	18629642	18629770	18629604	18629616
			AGS Reference						
Dibromofluoromethane**	%	TM208		106	106	99.7	108	101	113
Toluene-d8**	%	TM208		98.9	97.6	98.4	102	98.7	99.9
4-Bromofluorobenzene**	%	TM208		93.3	93.6	94.7	95.2	92.6	102
Dichlorodifluoromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Chloromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Vinyl chloride	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Bromomethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Chloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Trichlorofluoromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,1-Dichloroethene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Carbon disulphide	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Dichloromethane	µg/l	TM208		<3 #	<3 #	<3 #	<3 #	<3 #	<30 #
Methyl tertiary butyl ether (MTBE)	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
trans-1,2-Dichloroethene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,1-Dichloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
cis-1,2-Dichloroethene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2,2-Dichloropropane	µg/l	TM208		<1	<1	<1	<1	<1	<10
Bromochloromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Chloroform	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,1,1-Trichloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,1-Dichloropropene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Carbontetrachloride	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,2-Dichloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Benzene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Trichloroethene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,2-Dichloropropane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Dibromomethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Bromodichloromethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
cis-1,3-Dichloropropene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Toluene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
trans-1,3-Dichloropropene	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,1,2-Trichloroethane	µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GP07_05	GW03_09	GW06_13	GW06_34	GW06_36	GW06_37
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629674	18629747	18629642	18629770	18629604	18629616
			AGS Reference						
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
o-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Styrene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Bromoform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,2-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1	<1	<1	<1	<10
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Naphthalene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GP07_05	GW03_09	GW06_13	GW06_34	GW06_36	GW06_37
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629674	18629747	18629642	18629770	18629604	18629616
			AGS Reference						
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1	<1	<1	<1	<1	<10

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW06_39	GW07_07	GW07_40	GW09_31	GW09_32	GW09_35
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629653	18629686	18629664	18629724	18629736	18629593
			AGS Reference						
Dibromofluoromethane**	%	TM208		99.2	104	104	110	108	101
Toluene-d8**	%	TM208		99.2	97.4	99.7	100	97.9	99
4-Bromofluorobenzene**	%	TM208		94.7	94.8	93.4	92	93.9	95.8
Dichlorodifluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vinyl chloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Trichlorofluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Carbon disulphide	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dichloromethane	<3 µg/l	TM208		<3 #	<3 #	<3 #	<3 #	<3 #	<3 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,2-Dichloropropane	<1 µg/l	TM208		<1	<1	<1	<1	<1	<1
Bromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chloroform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Carbontetrachloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Trichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromodichloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Toluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW06_39	GW07_07	GW07_40	GW09_31	GW09_32	GW09_35
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	-	-	-	-	-	-
			Date Received	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629653	18629686	18629664	18629724	18629736	18629593
			AGS Reference						
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
o-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Styrene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromoform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Naphthalene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	Depth (m)	Sample Type	Date Sampled	Sampled Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			GW06_39	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629653	
			GW07_07	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629686	
			GW07_40	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629664	
			GW09_31	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629724	
			GW09_32	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629736	
			GW09_35	0.00 - 0.00	Ground Water (GW)	29/10/2018	.	30/10/2018	181030-11	18629593	
1,2,3-Trichlorobenzene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #			
1,3,5-Trichlorobenzene	<1 µg/l	TM208	<1	<1	<1	<1	<1	<1			

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW12_30	GW12_33	GW12_38
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629713	18629757	18629626
			AGS Reference			
Dibromofluoromethane**	%	TM208		105	104	115
Toluene-d8**	%	TM208		98.4	98.7	102
4-Bromofluorobenzene**	%	TM208		95.9	95.8	94.8
Dichlorodifluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
Chloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
Vinyl chloride	<1 µg/l	TM208		<1 #	<1 #	<1 #
Bromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
Chloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
Trichlorofluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
1,1-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #
Carbon disulphide	<1 µg/l	TM208		<1 #	<1 #	<1 #
Dichloromethane	<3 µg/l	TM208		<3 #	<3 #	<3 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 #	<1 #	<1 #
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #
1,1-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #
2,2-Dichloropropane	<1 µg/l	TM208		<1	<1	<1
Bromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
Chloroform	<1 µg/l	TM208		<1 #	<1 #	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
1,1-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #
Carbontetrachloride	<1 µg/l	TM208		<1 #	<1 #	<1 #
1,2-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
Benzene	<1 µg/l	TM208		<1 #	<1 #	<1 #
Trichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #
1,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #
Dibromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
Bromodichloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #
Toluene	<1 µg/l	TM208		<1 #	<1 #	<1 #
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW12_30	GW12_33	GW12_38			
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00			
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)			
			Date Sampled	29/10/2018	29/10/2018	29/10/2018			
			Sampled Time	.	.	.			
			Date Received	30/10/2018	30/10/2018	30/10/2018			
			SDG Ref	181030-11	181030-11	181030-11			
			Lab Sample No.(s)	18629713	18629757	18629626			
			AGS Reference						
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
o-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Styrene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Bromoform	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,2-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1	<1			
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #	<1 #			
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #			
Naphthalene	<1 µg/l	TM208		<1 #	<1 #	<1 #			

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW12_30	GW12_33	GW12_38
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Ground Water (GW)	Ground Water (GW)	Ground Water (GW)
			Date Sampled	29/10/2018	29/10/2018	29/10/2018
			Sampled Time	.	.	.
			Date Received	30/10/2018	30/10/2018	30/10/2018
			SDG Ref	181030-11	181030-11	181030-11
			Lab Sample No.(s)	18629713	18629757	18629626
			AGS Reference			
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1	<1	<1

Table of Results - Appendix

Method No	Reference	Description
Calulation		
SUB (ASB)		
TM043	Method 2320B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part109 1984	Determination of alkalinity in aqueous samples
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999; SCA Blue Book 130	Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser
TM107	ISO 6060-1989	Determination of Chemical Oxygen Demand using COD Dr Lange Kit
TM120	Method 2510B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part 9:1970	Determination of Electrical Conductivity using a Conductivity Meter
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS
TM172	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	EPH in Waters
TM176	EPA 8270D Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of SVOCs in Water by GCMS
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters
TM227	Standard methods for the examination of waters and wastewaters 20th Edition, AWWA/APHA Method 4500.	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter
TM259	by HPLC	Determination of Phenols in Waters and Leachates by HPLC
TM328		
TM343	EPA 8270D - Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of Selected Pesticides (Suite I) in Liquids by GCMS
TM344	EPA 8270D – Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of selected pesticides (Suite II) by GCMS
TM345	EPA 8270D – Semi-Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	Determination of selected pesticides (Suite III) by GCMS

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Environmental Hawarden (Method codes TM) or ALS Environmental Aberdeen (Method codes S).

CERTIFICATE OF ANALYSIS

SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Test Completion Dates

Lab Sample No(s)	18629699	18629674	18629747	18629642	18629770	18629604	18629616	18629653	18629686	18629664
Customer Sample Ref.	C3_Asb	GP07_05	GW03_09	GW06_13	GW06_34	GW06_36	GW06_37	GW06_39	GW07_07	GW07_40
AGS Ref.										
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Alkalinity as CaCO3			06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018
Alkalinity Filtered as CaCO3			31-Oct-2018	02-Nov-2018	01-Nov-2018	01-Nov-2018	02-Nov-2018	02-Nov-2018		01-Nov-2018
Ammoniacal Nitrogen	07-Nov-2018	05-Nov-2018	05-Nov-2018	05-Nov-2018	06-Nov-2018	06-Nov-2018	05-Nov-2018	07-Nov-2018	06-Nov-2018	07-Nov-2018
Anions by Kone (w)	02-Nov-2018		07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018
Asbestos in Water*	19-Nov-2018									
BOD True Total	05-Nov-2018		04-Nov-2018	04-Nov-2018	05-Nov-2018	04-Nov-2018	05-Nov-2018	04-Nov-2018		05-Nov-2018
COD Unfiltered	07-Nov-2018		07-Nov-2018	07-Nov-2018	07-Nov-2018	06-Nov-2018	06-Nov-2018	07-Nov-2018	07-Nov-2018	06-Nov-2018
Conductivity (at 20 deg.C)	08-Nov-2018		08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018
Cyanide Comp/Free/Total/Thiocyanate		12-Nov-2018	12-Nov-2018	12-Nov-2018	12-Nov-2018	12-Nov-2018	12-Nov-2018	12-Nov-2018	06-Nov-2018	12-Nov-2018
Dissolved Metals by ICP-MS		07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018
Dissolved Organic/Inorganic Carbon			05-Nov-2018	05-Nov-2018	05-Nov-2018	07-Nov-2018	06-Nov-2018	06-Nov-2018		06-Nov-2018
EPH (DRO) (C10-C40) Aqueous (W)		01-Nov-2018	02-Nov-2018	02-Nov-2018	02-Nov-2018	01-Nov-2018	02-Nov-2018	01-Nov-2018	01-Nov-2018	01-Nov-2018
Ionic Balance			07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018		07-Nov-2018
Mercury Dissolved		08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018
Nitrite by Kone (w)			01-Nov-2018	01-Nov-2018	01-Nov-2018	01-Nov-2018	31-Oct-2018	31-Oct-2018		31-Oct-2018
Organotins in Aqueous Samples			05-Nov-2018	05-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	05-Nov-2018	05-Nov-2018	05-Nov-2018
Pesticides (Suite I) by GCMS		06-Nov-2018	12-Nov-2018	06-Nov-2018	12-Nov-2018	06-Nov-2018	12-Nov-2018	06-Nov-2018	12-Nov-2018	06-Nov-2018
Pesticides (Suite II) by GCMS		05-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	05-Nov-2018	06-Nov-2018	05-Nov-2018	06-Nov-2018	05-Nov-2018
Pesticides (Suite III) by GCMS		07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018
pH Value	06-Nov-2018		07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018
Phenols by HPLC (W)		01-Nov-2018	06-Nov-2018	07-Nov-2018	01-Nov-2018	07-Nov-2018	01-Nov-2018	01-Nov-2018	01-Nov-2018	01-Nov-2018
Phosphate by Kone (w)			31-Oct-2018	01-Nov-2018	31-Oct-2018	01-Nov-2018	01-Nov-2018	31-Oct-2018		31-Oct-2018
Sulphide			31-Oct-2018	02-Nov-2018	31-Oct-2018	02-Nov-2018	02-Nov-2018	31-Oct-2018		31-Oct-2018
SVOC MS (W) - Aqueous		08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018
Total Organic and Inorganic Carbon									02-Nov-2018	
VOC MS (W)		05-Nov-2018	06-Nov-2018	05-Nov-2018	05-Nov-2018	05-Nov-2018	05-Nov-2018	05-Nov-2018	05-Nov-2018	05-Nov-2018

Lab Sample No(s)	18629724	18629736	18629593	18629713	18629757	18629626	18629588	18629705	18629709
Customer Sample Ref.	GW09_31	GW09_32	GW09_35	GW12_30	GW12_33	GW12_38	SW_23	SW_24	SW_1A
AGS Ref.									
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Surface Water	Surface Water	Surface Water
Alkalinity as CaCO3	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018			
Alkalinity Filtered as CaCO3	01-Nov-2018	01-Nov-2018	01-Nov-2018	01-Nov-2018	06-Nov-2018	01-Nov-2018			
Ammoniacal Nitrogen	06-Nov-2018	05-Nov-2018	05-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	05-Nov-2018	06-Nov-2018	06-Nov-2018
Anions by Kone (w)	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	02-Nov-2018	02-Nov-2018	02-Nov-2018
BOD True Total	04-Nov-2018	04-Nov-2018	04-Nov-2018	04-Nov-2018	05-Nov-2018	04-Nov-2018	04-Nov-2018	04-Nov-2018	04-Nov-2018
COD Unfiltered	08-Nov-2018	07-Nov-2018	08-Nov-2018	06-Nov-2018	07-Nov-2018	06-Nov-2018	08-Nov-2018	07-Nov-2018	08-Nov-2018
Conductivity (at 20 deg.C)	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018
Cyanide Comp/Free/Total/Thiocyanate	06-Nov-2018	12-Nov-2018	12-Nov-2018	12-Nov-2018	12-Nov-2018	12-Nov-2018			
Dissolved Metals by ICP-MS	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018			
Dissolved Organic/Inorganic Carbon	06-Nov-2018	06-Nov-2018	05-Nov-2018	05-Nov-2018	06-Nov-2018	05-Nov-2018			
EPH (DRO) (C10-C40) Aqueous (W)	01-Nov-2018	02-Nov-2018	02-Nov-2018	02-Nov-2018	02-Nov-2018	02-Nov-2018			
Ionic Balance	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018			
Mercury Dissolved	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018			
Nitrite by Kone (w)	31-Oct-2018	01-Nov-2018	31-Oct-2018	01-Nov-2018	31-Oct-2018	01-Nov-2018			
Organotins in Aqueous Samples	05-Nov-2018	07-Nov-2018	05-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018			
Pesticides (Suite I) by GCMS	12-Nov-2018	12-Nov-2018	06-Nov-2018	12-Nov-2018	12-Nov-2018	12-Nov-2018			
Pesticides (Suite II) by GCMS	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018	06-Nov-2018			
Pesticides (Suite III) by GCMS	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018			
pH Value	07-Nov-2018	07-Nov-2018	07-Nov-2018	06-Nov-2018	07-Nov-2018	06-Nov-2018	07-Nov-2018	07-Nov-2018	07-Nov-2018
Phenols by HPLC (W)	01-Nov-2018	07-Nov-2018	01-Nov-2018	06-Nov-2018	01-Nov-2018	01-Nov-2018			
Phosphate by Kone (w)	31-Oct-2018	01-Nov-2018	31-Oct-2018	01-Nov-2018	31-Oct-2018	01-Nov-2018			
Sulphide	31-Oct-2018	02-Nov-2018	31-Oct-2018	02-Nov-2018	31-Oct-2018	02-Nov-2018			
SVOC MS (W) - Aqueous	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018	08-Nov-2018			
VOC MS (W)	06-Nov-2018	05-Nov-2018	05-Nov-2018	05-Nov-2018	06-Nov-2018	05-Nov-2018			

CERTIFICATE OF ANALYSIS

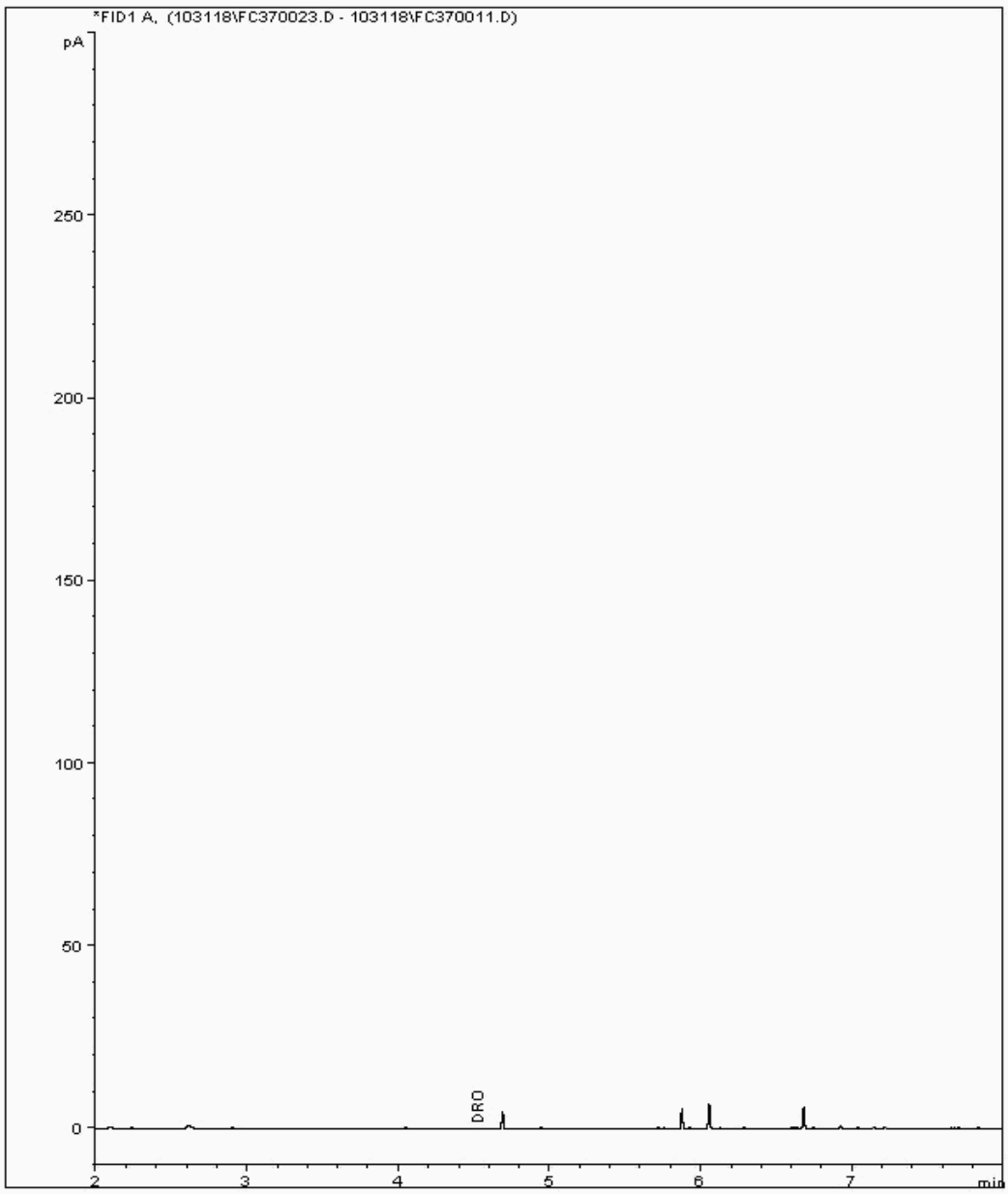
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18631571 **Sample ID :** GW06_39 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500174-
Date Acquired : 31/10/2018 18:12:34 PM
Units : ppm



CERTIFICATE OF ANALYSIS

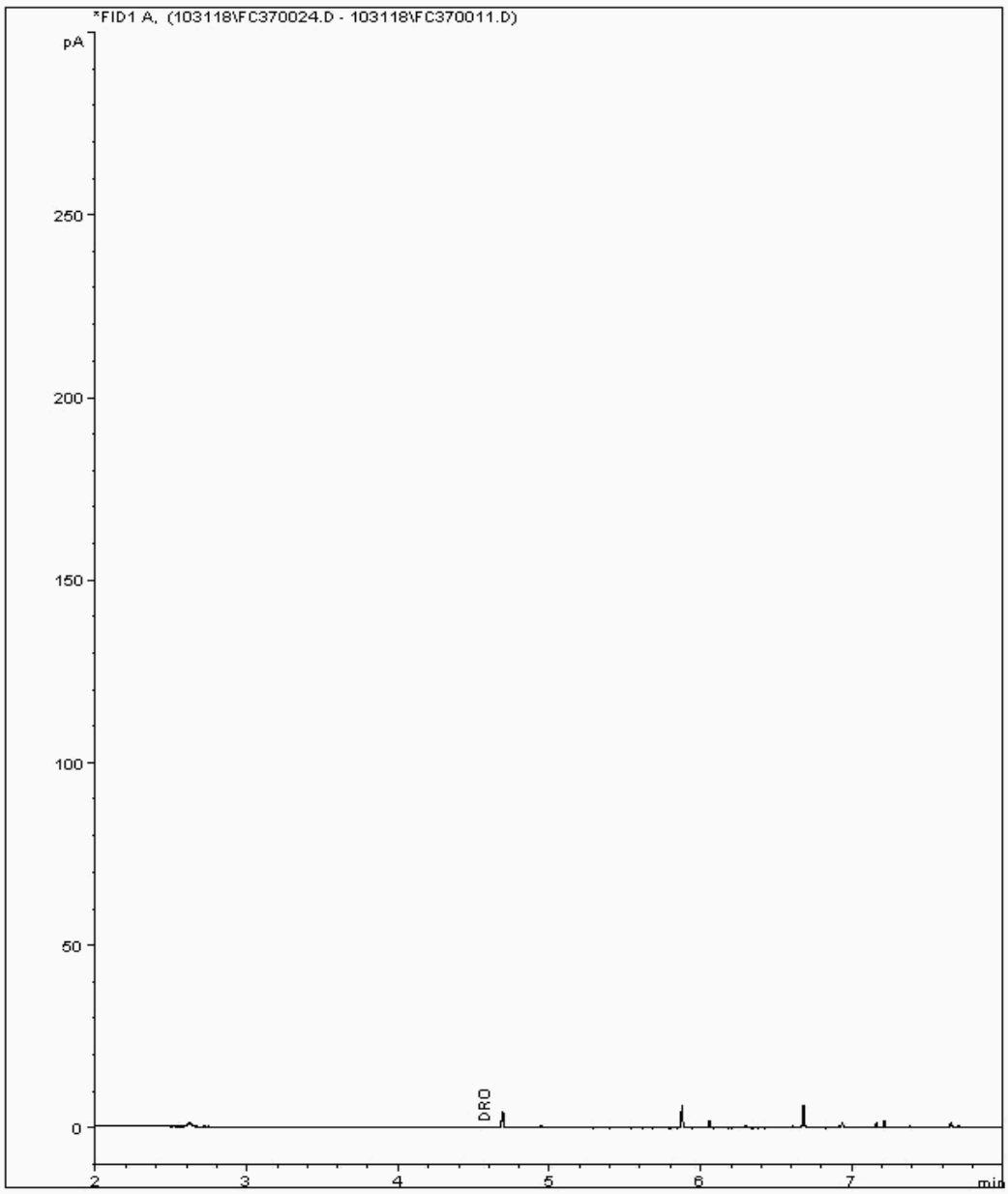
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18631711 **Sample ID :** GW07_07 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500234-
Date Acquired : 31/10/2018 18:36:48 PM
Units : ppm



CERTIFICATE OF ANALYSIS

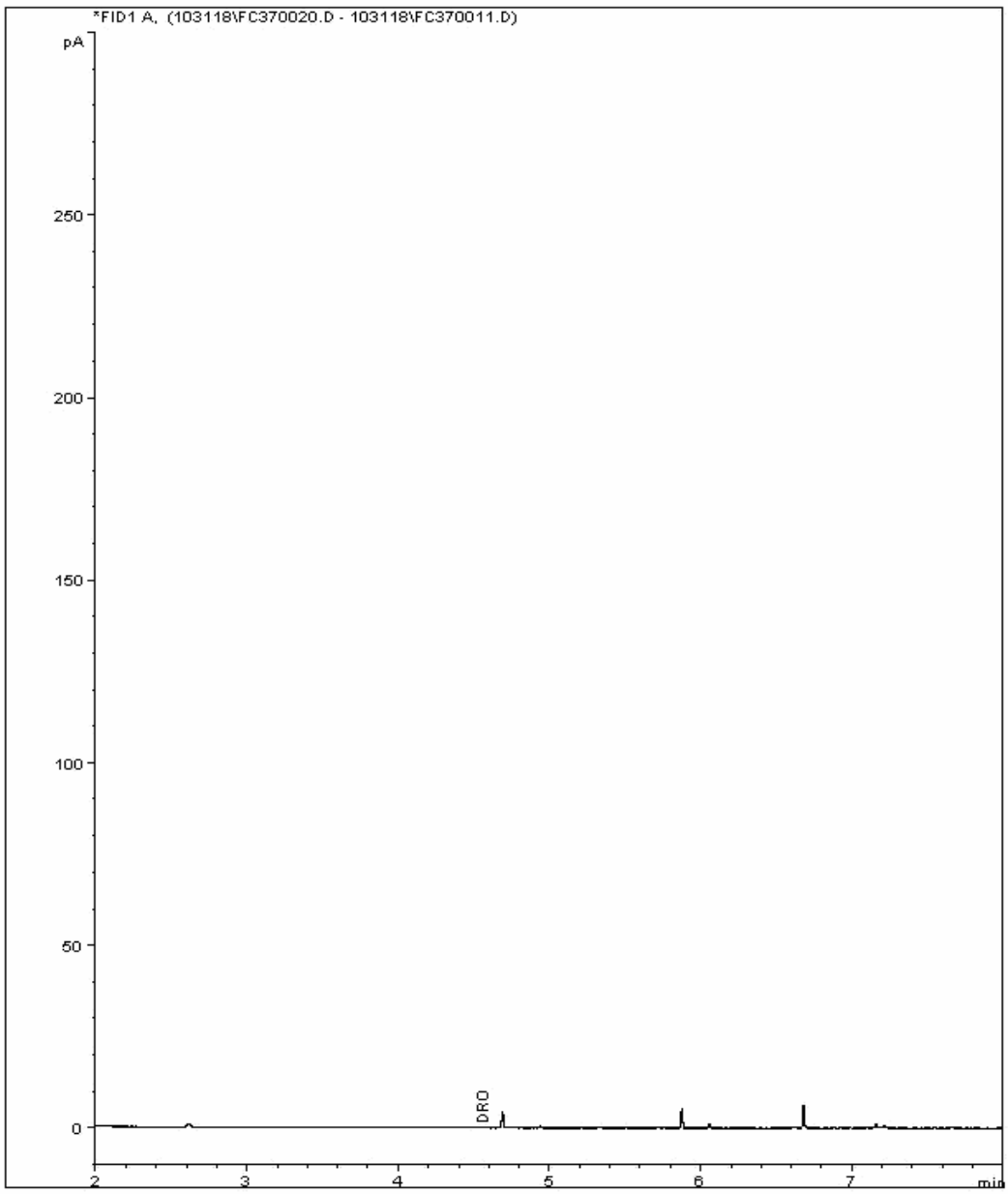
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18631721 **Sample ID :** GW07_40 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500198-
Date Acquired : 31/10/2018 17:00:22 PM
Units : ppm



CERTIFICATE OF ANALYSIS

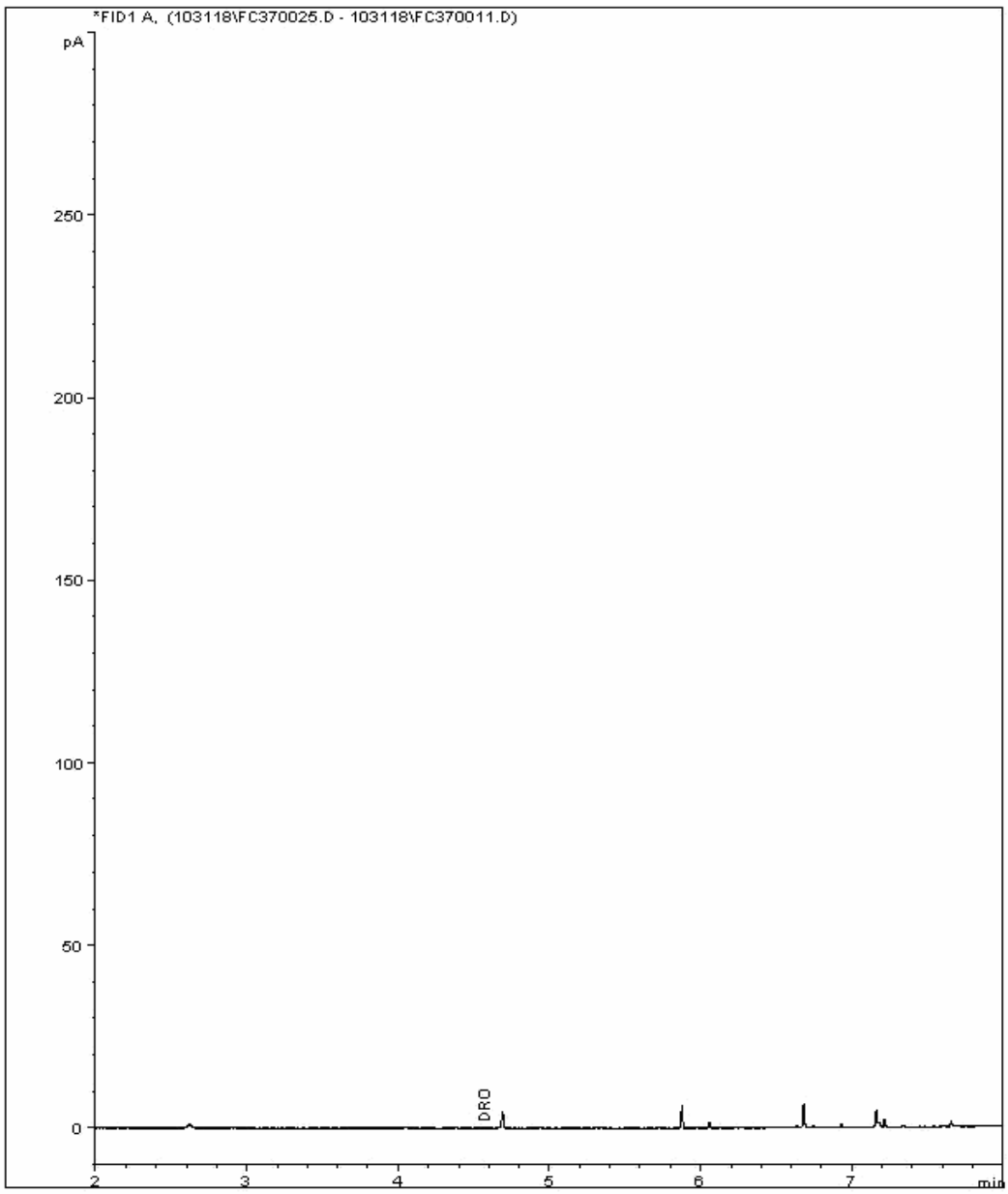
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18632881 **Sample ID :** GP07_05 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500220-
Date Acquired : 31/10/2018 19:00:45 PM
Units : ppm



CERTIFICATE OF ANALYSIS

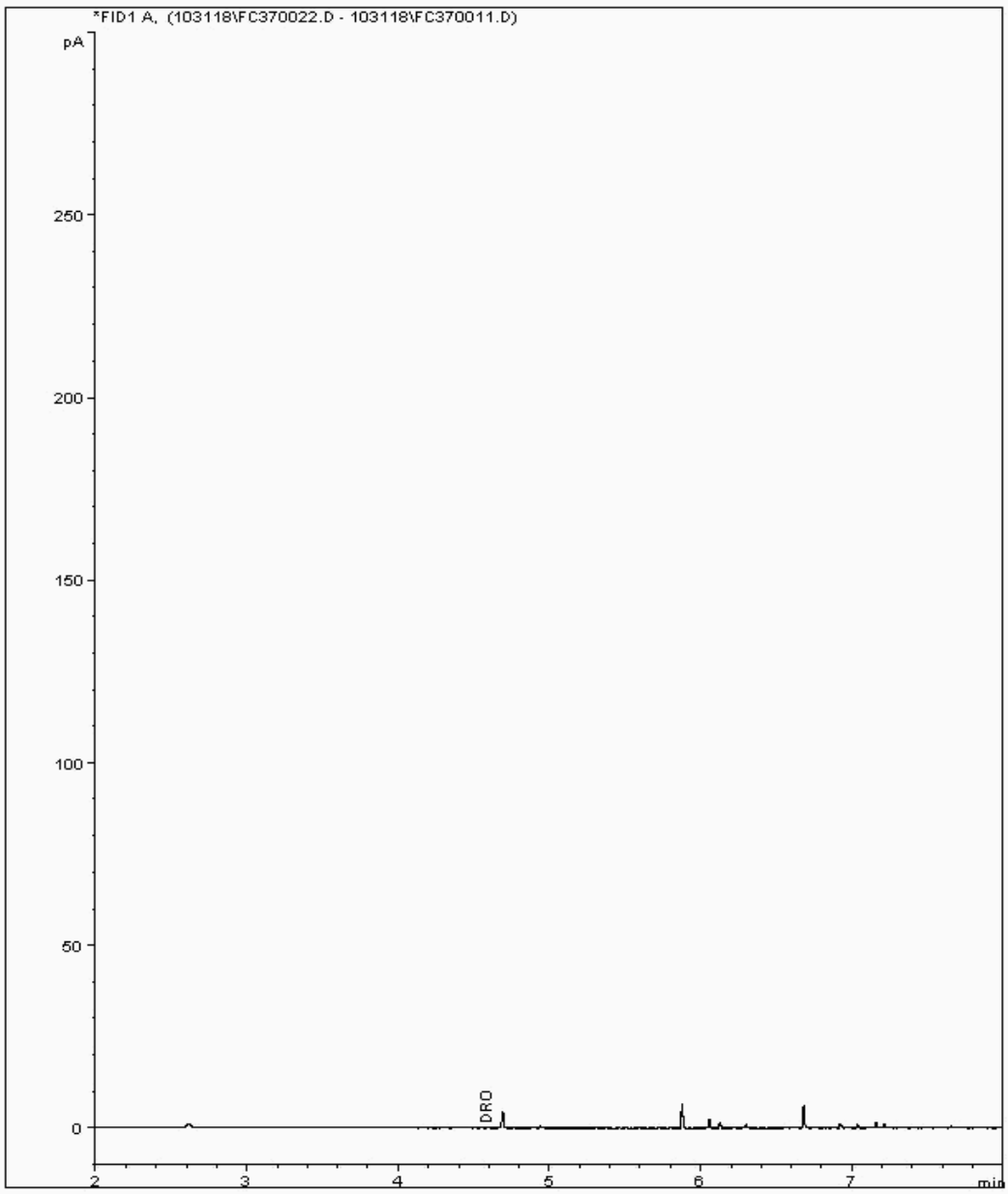
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18633025 **Sample ID :** GW09_31 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500301-
Date Acquired : 31/10/2018 17:48:37 PM
Units : ppm



CERTIFICATE OF ANALYSIS

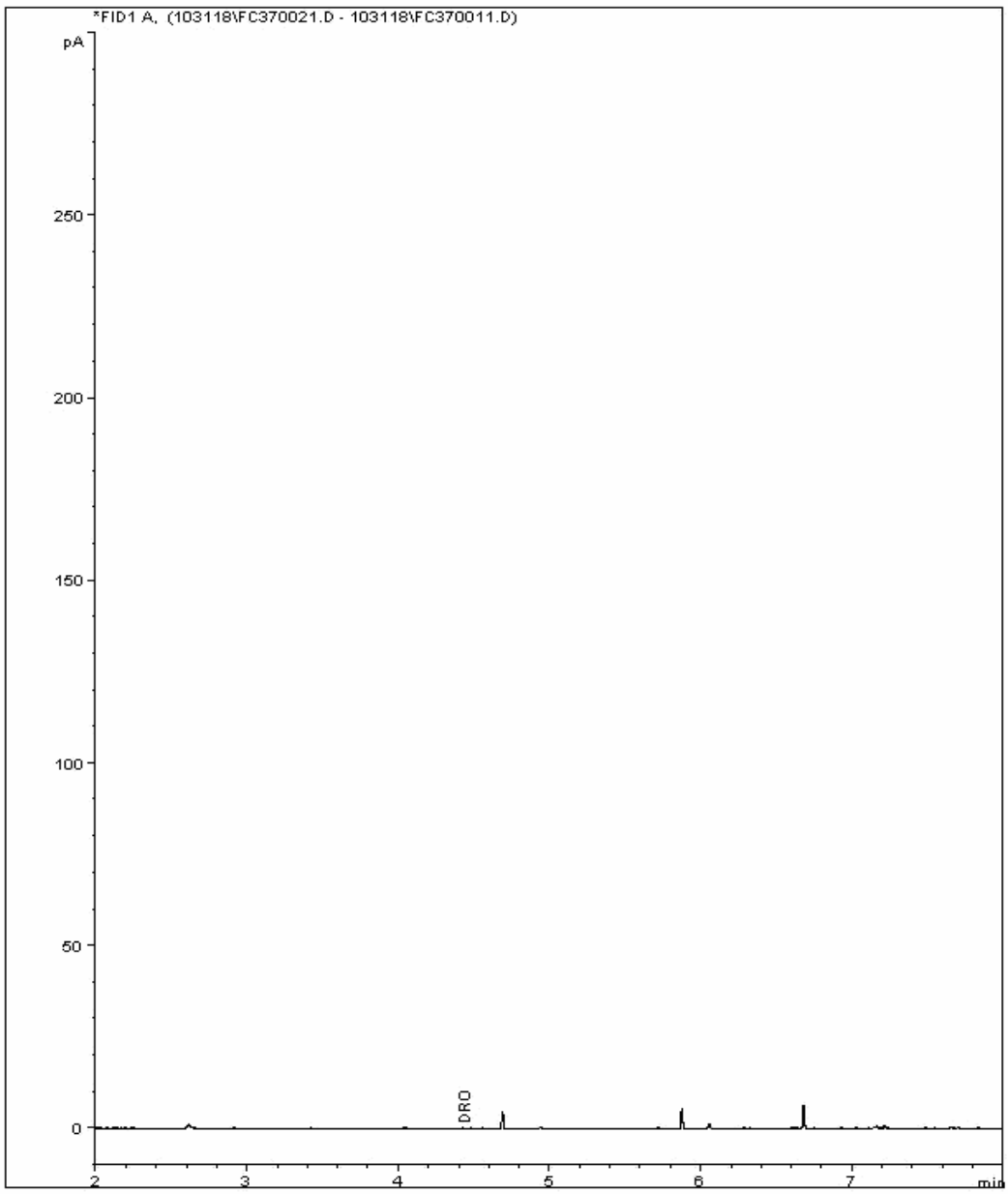
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18634139 **Sample ID :** GW06_36 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500046-
Date Acquired : 31/10/2018 17:24:37 PM
Units : ppm



CERTIFICATE OF ANALYSIS

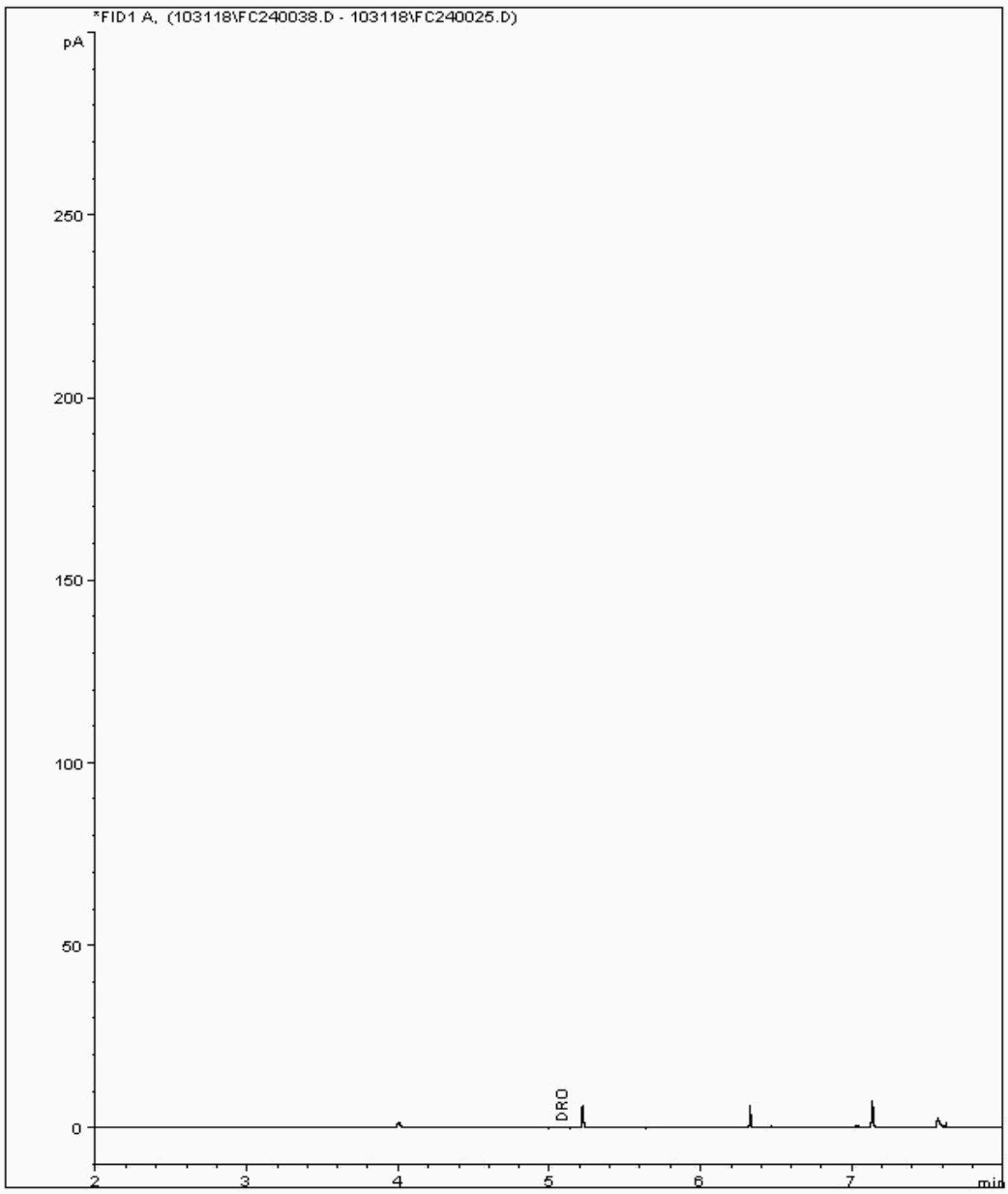
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18642347 **Sample ID :** GW12_30 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500277-
Date Acquired : 01/11/2018 15:30:31 PM
Units : ppm



CERTIFICATE OF ANALYSIS

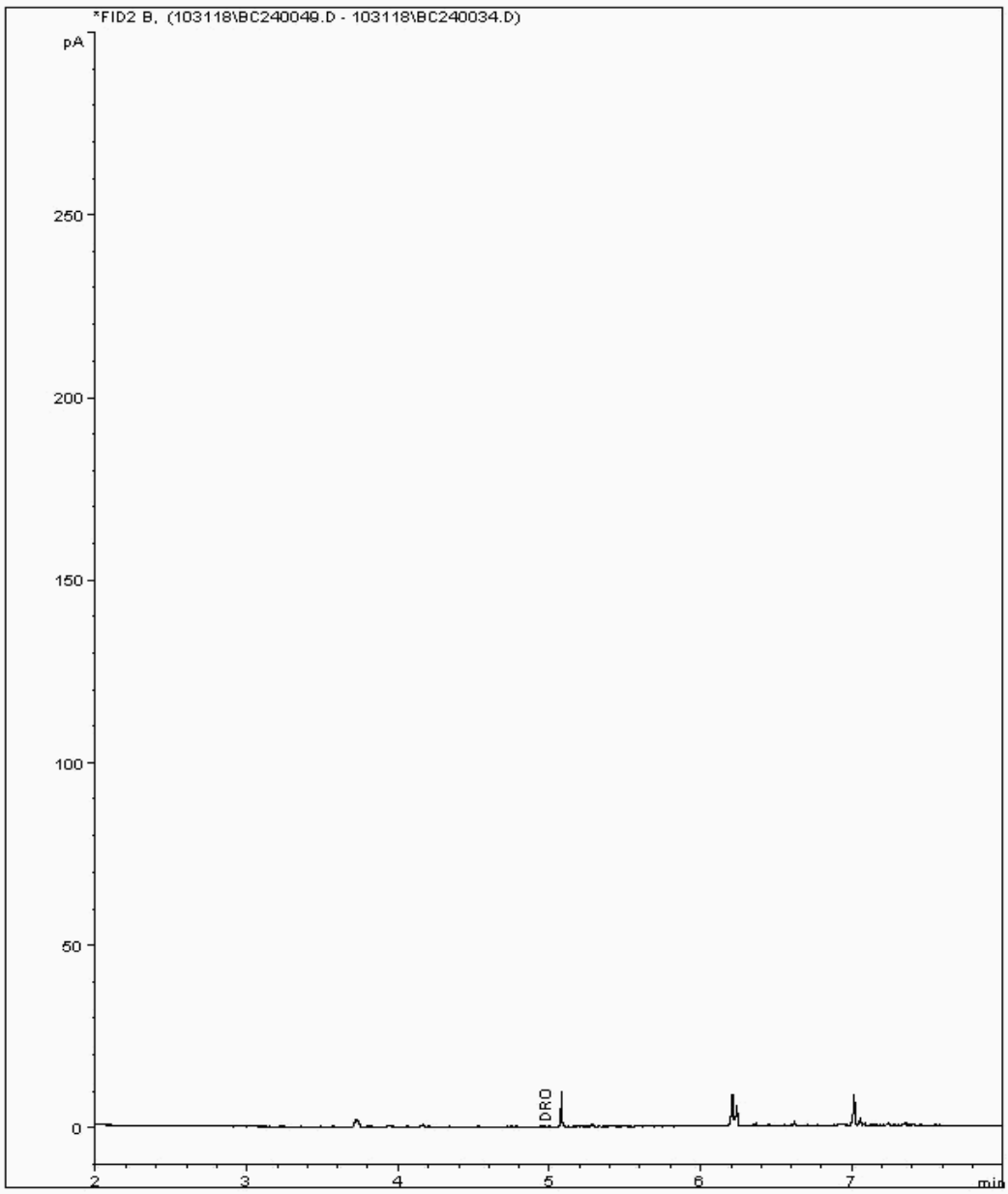
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18642440 **Sample ID :** GW09_32 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500325-
Date Acquired : 01/11/2018 19:56:07 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

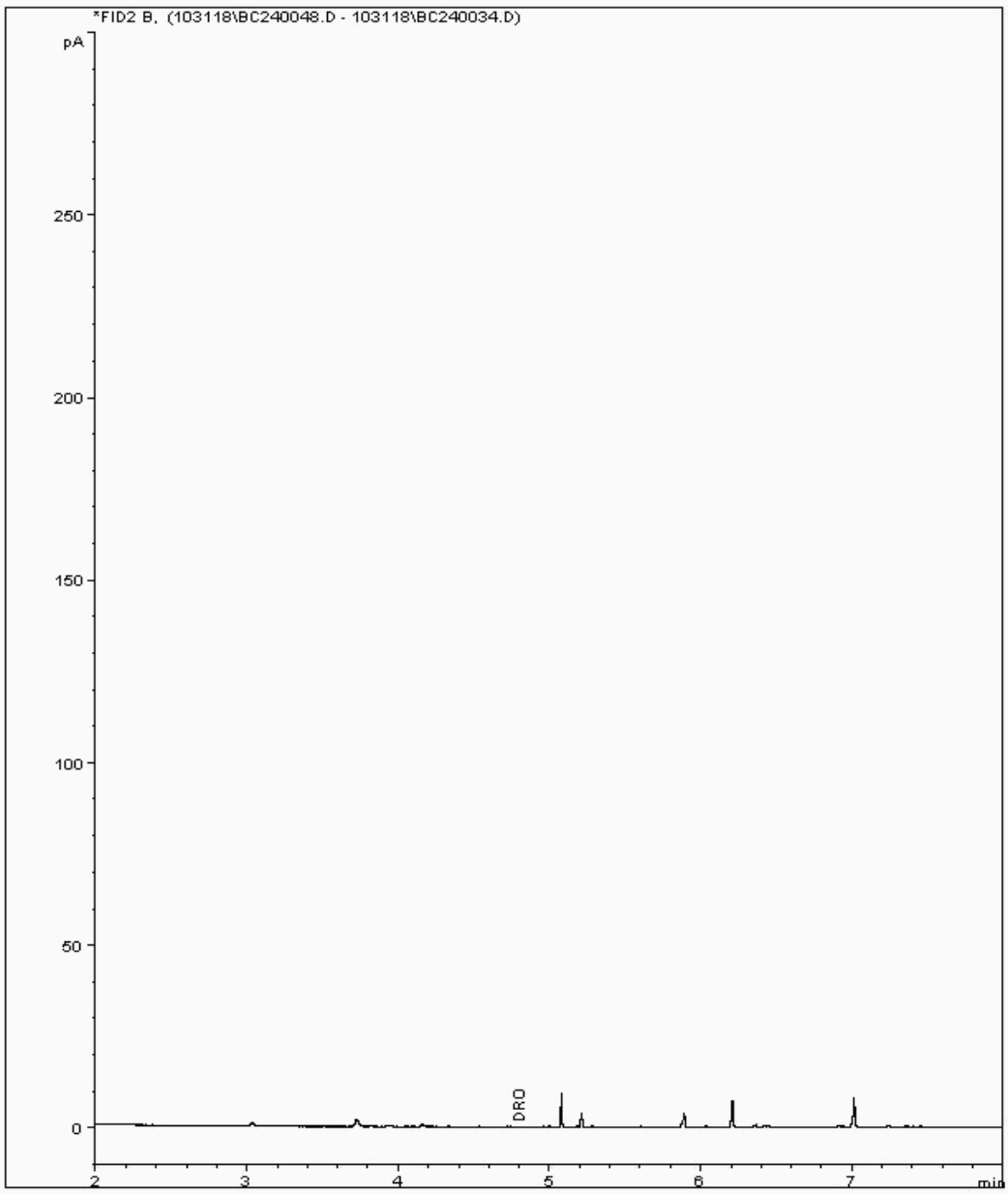
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18642464 **Sample ID :** GW03_09 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500352-
Date Acquired : 01/11/2018 19:32:06 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

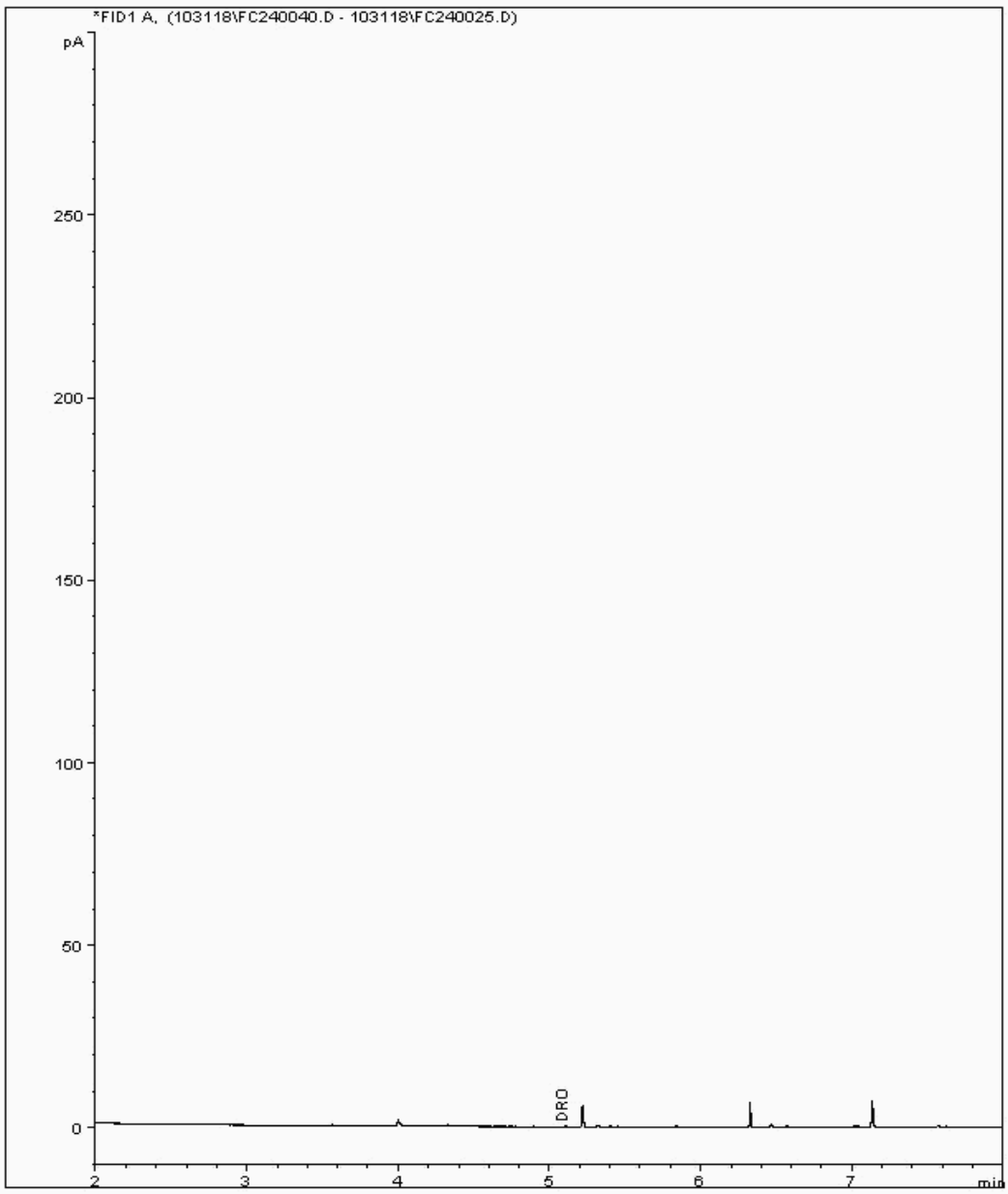
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18642476 **Sample ID :** GW09_35 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500022-
Date Acquired : 01/11/2018 16:18:55 PM
Units : ppm



CERTIFICATE OF ANALYSIS

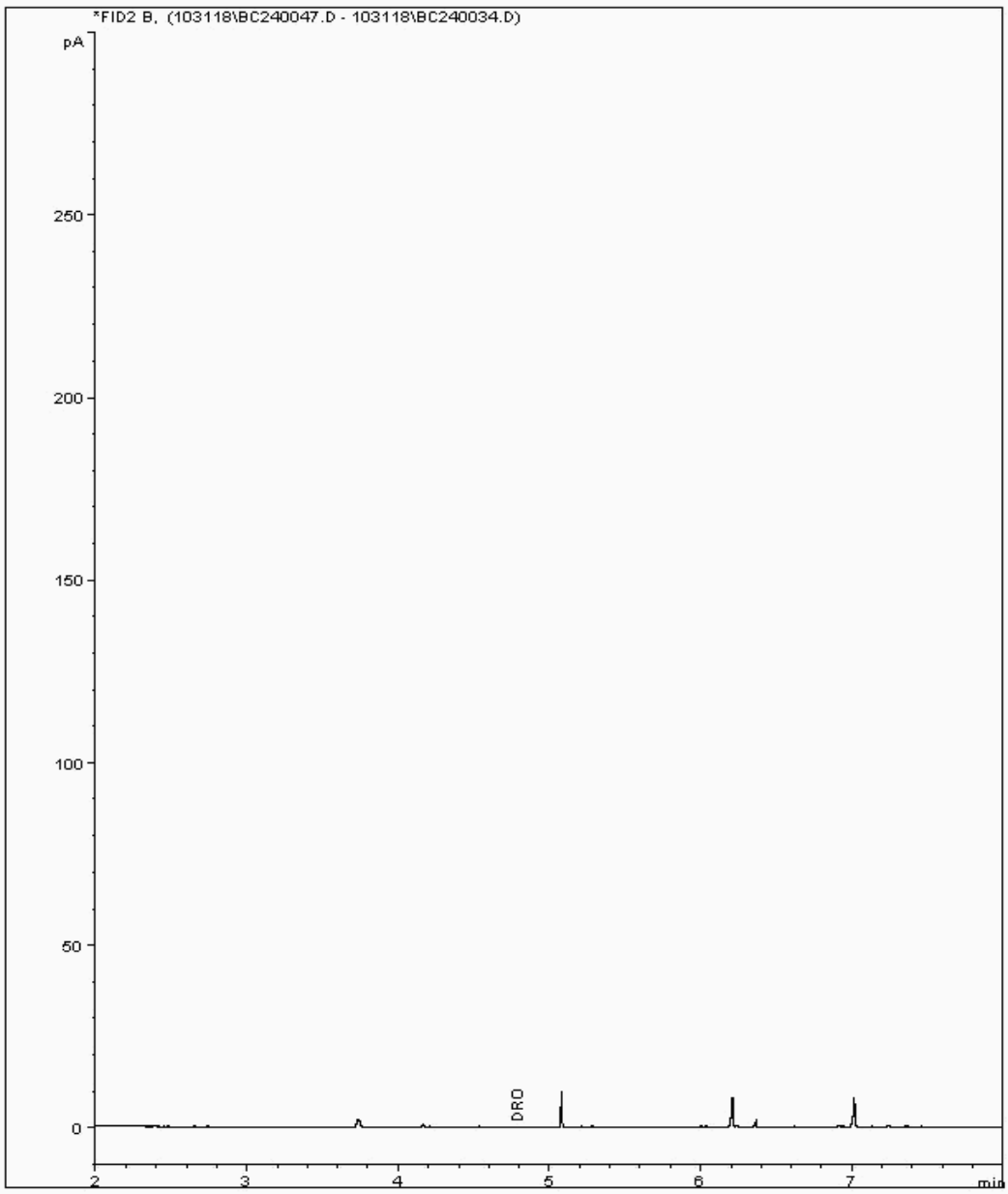
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18642489 **Sample ID :** GW12_33 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500376-
Date Acquired : 01/11/2018 19:08:06 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

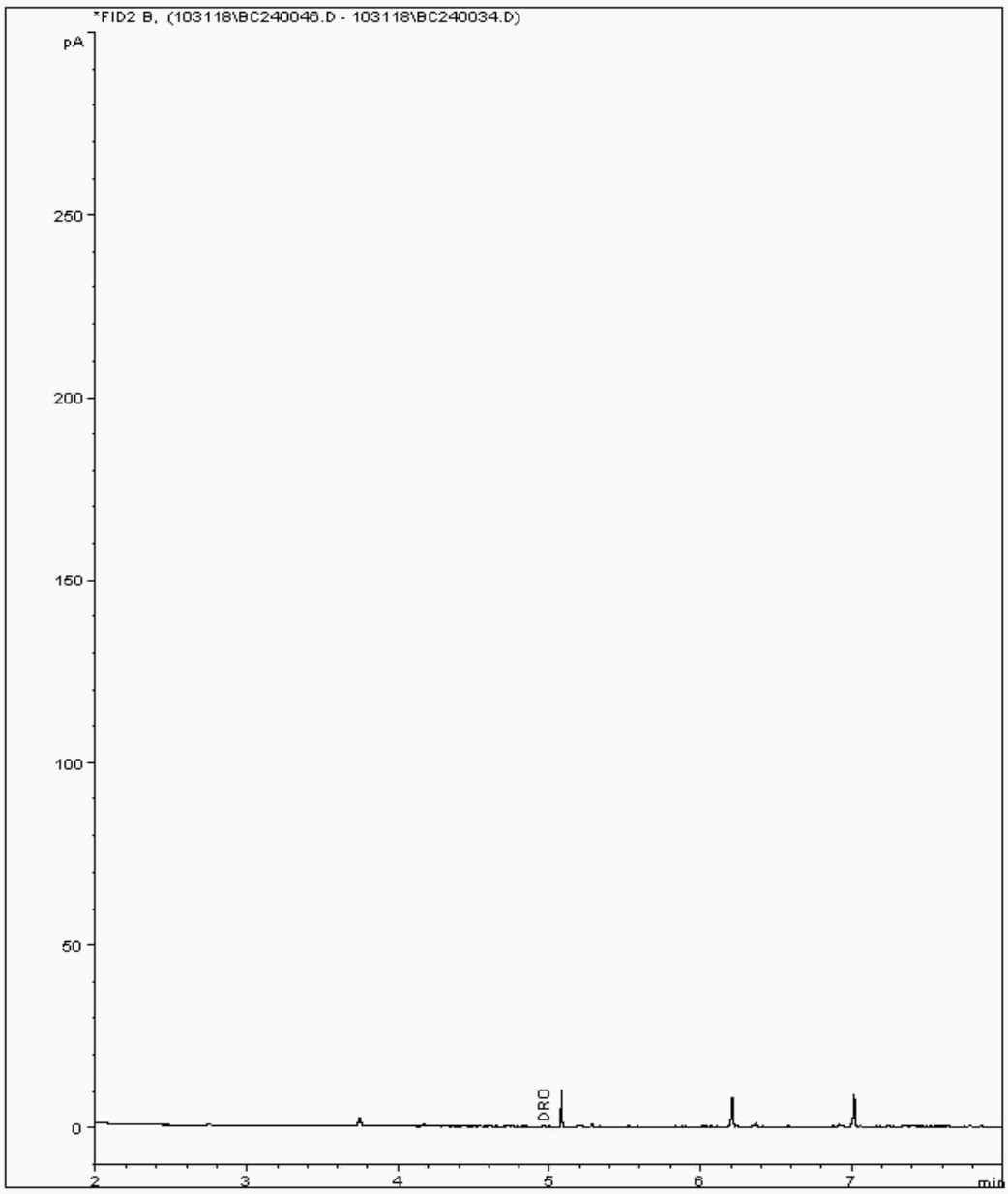
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18642540 **Sample ID :** GW06_34 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500400-
Date Acquired : 01/11/2018 18:43:52 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

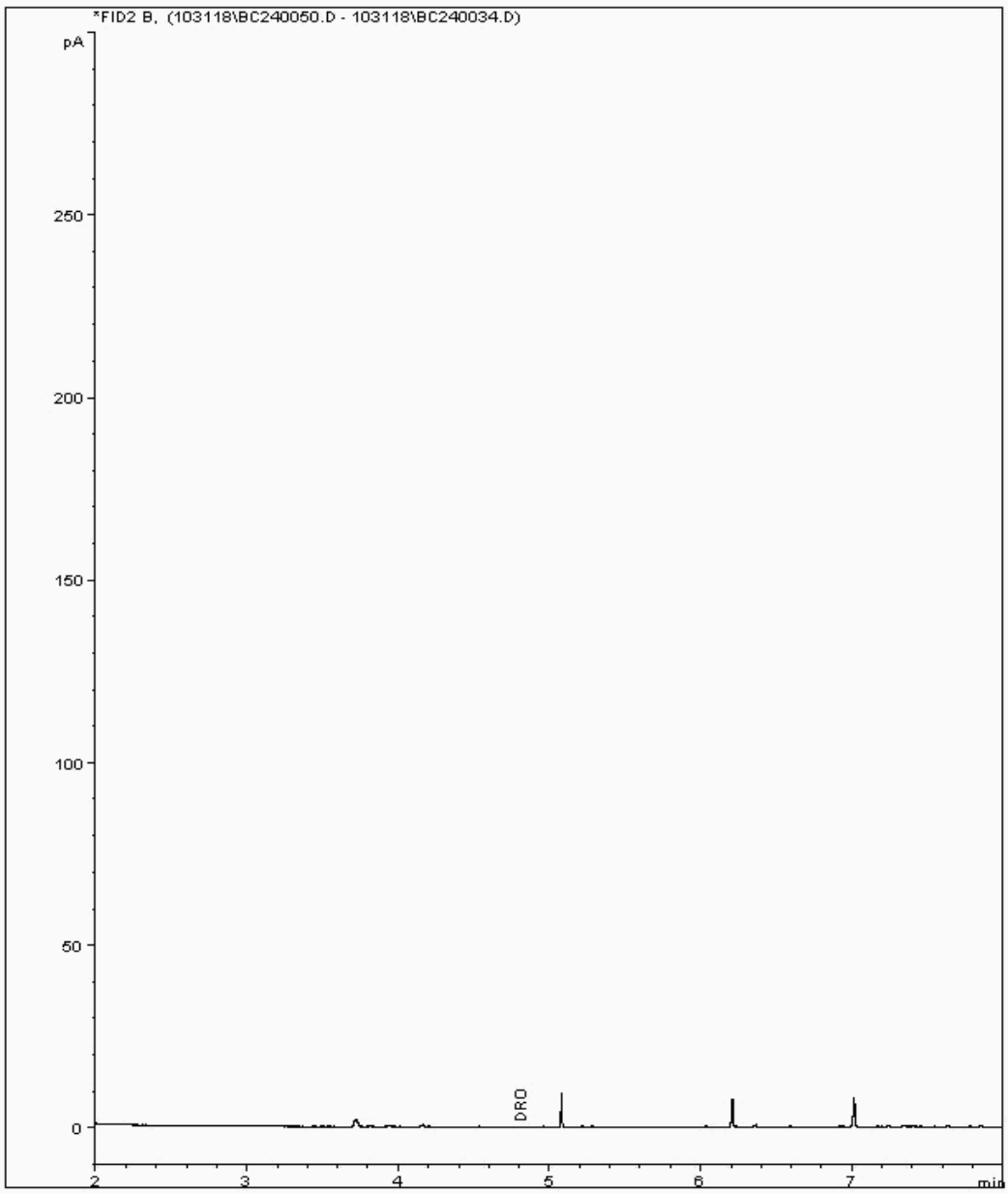
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18642589 **Sample ID :** GW06_37 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500074-
Date Acquired : 01/11/2018 20:20:19 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

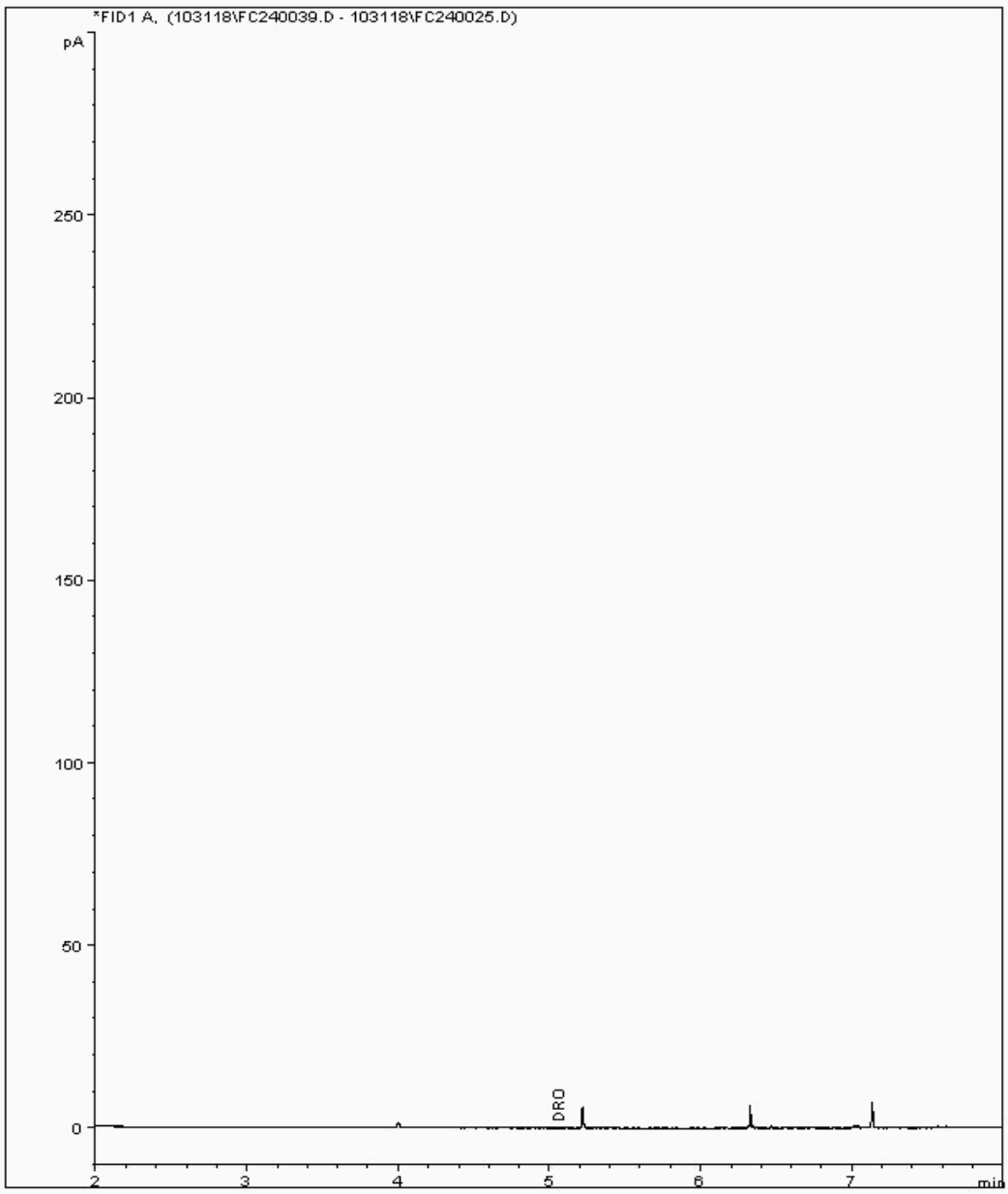
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18642605 **Sample ID :** GW06_13 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500128-
Date Acquired : 01/11/2018 15:54:43 PM
Units : ppm



CERTIFICATE OF ANALYSIS

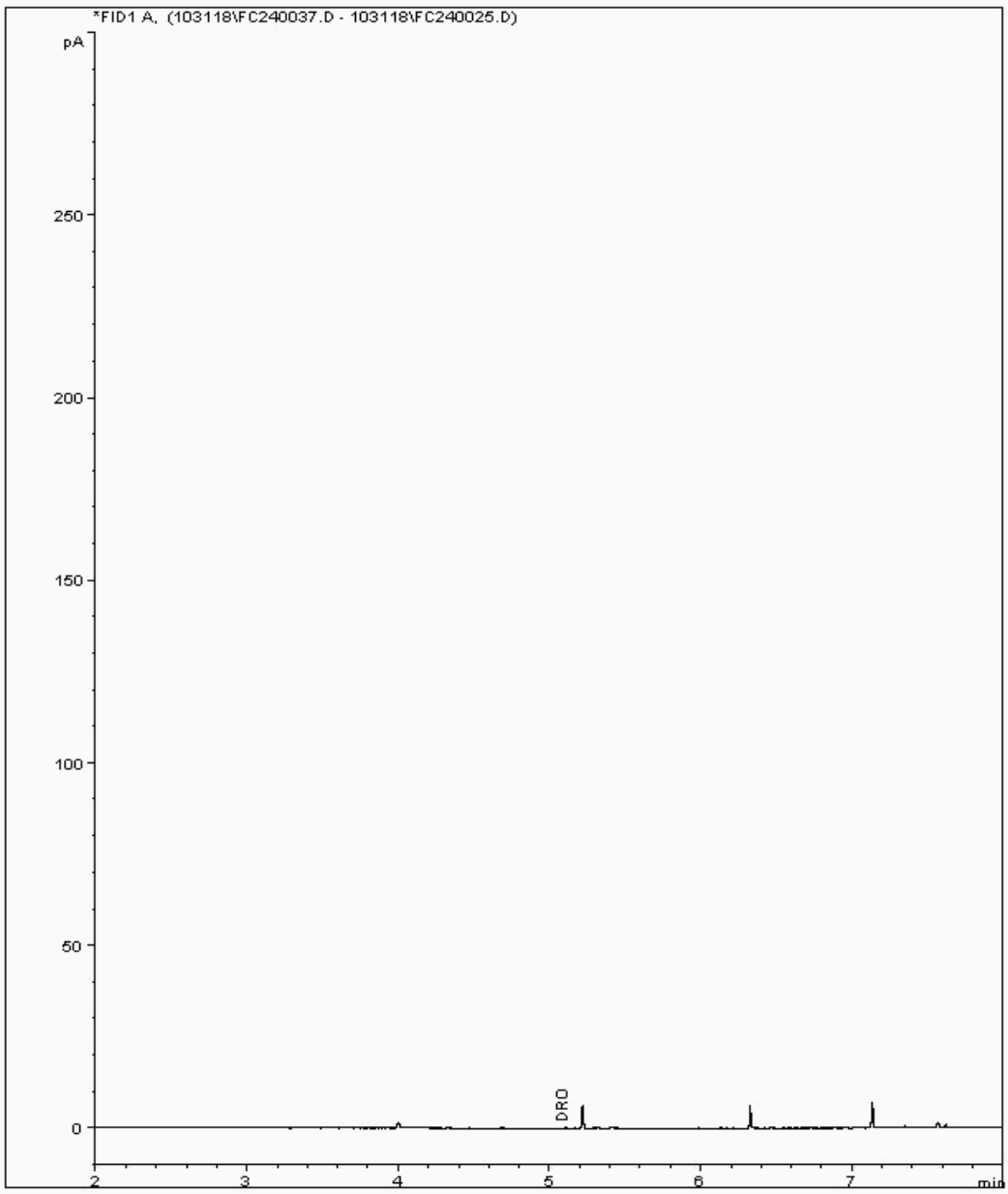
SDG:	181030-11	**Client Reference:**		**Report Number:**	481673
Location:	Docksway Landfill Site	**Order Number:**	700124102	**Superseded Report:**	480622

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 18642614 **Sample ID :** GW12_38 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 17500104-
Date Acquired : 01/11/2018 15:06:03 PM
Units : ppm



ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

Subcon Results
ALS Life Sciences Limited
Torrington Avenue
Tile Hill CV4 9GU

15 November 2018

Test Report: COV/1630636/2018

Dear Subcon Results

Analysis of your sample(s) submitted on 01 November 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed:

Name: D. Lewis

Title: Inorganic Team Leader

Report Summary

ANALYSED BY

Hawarden Subcon Results
ALS Life Sciences Limited
Torrington Avenue
Tile Hill
CV4 9GU

Date of Issue: **15 November 2018**

Report Number: **COV/1630636/2018** Issue **1** This issue replaces all previous issues

Job Description: 2017-2018 Analysis

Number of Samples included in this report **1**

Number of Test Results included in this report **2**

Job Received: **01 November 2018**

Analysis Commenced: **07 November 2018**

Signed: D. Lewis

Name: **D. Lewis** Date: **15 November 2018**

Title: **Inorganic Team Leader**

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.
Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

Certificate of Analysis

ANALYSED BY

Report Number:	**COV/1630636/2018**	Issue	**1**
Laboratory Number:	**17643164**	Sample	**1** of **1**
Sample Source:	**ALS Life Sciences Limited**		
Sample Point Description:			
Sample Description:	**18633352**		
Sample Matrix:	**Not Specified**		
Sample Date/Time:	**29 October 2018**		
Sample Received:	**01 November 2018**		
Analysis Complete:	**07 November 2018**		

Test Description	Result	Units	Analysis Date	Accreditation	Method
Description of Sample	Analyst Com	Text	07/11/2018	N Cov	70
Asbestos Identification	Analyst Com	Text	07/11/2018	N Cov	70

Analyst Comments for 17643164: ASBESTOS COMMENTS Asbestos ID: Non Detected, Description of Sample: Water

This issue replaces all previous issues
Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.
Analysed at: CHE = Chester(CH5 3US), CTD = Coatbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG).
For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered.
I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed: D. Lewis

Name: **D. Lewis** Date: **15 November 2018**

Title: **Inorganic Team Leader**

ALS Environmental Ltd
Torrington Avenue, Coventry, CV4 9GU
Tel:+44 (0)24 7642 1213 Fax:+44 (0)24 7685 6575

ANALYST COMMENTS FOR REPORT COV/1630636/2018

Issue 1 This issue replaces all previous issues

Date of Issue: **15 November 2018**

Sample No	Analysis Comments
17643164	ASBESTOS COMMENTS Asbestos ID: Non Detected, Description of Sample: Water

Signed:

Name: **D. Lewis** Date: **15 November 2018**

Title: **Inorganic Team Leader**

DETERMINAND COMMENTS FOR REPORT COV/1630636/2018

ISSUE 1

This issue replaces all previous issues

Date of Issue: 15 November 2018

Sample No	Description	Determinand	Comments
17643164	18633352	Asbestos Identification	{/*}Non Detected{*/}
17643164	18633352	Description of Sample	{/*}Water{*/}

Signed: D. Lewis

Name: **D. Lewis** Date: **15 November 2018**

Title: **Inorganic Team Leader**

Appendix General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. Samples will be run in duplicate upon request, but an additional charge may be incurred.

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

6. When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as “Not detected”. If no asbestos fibre types are found all will be reported as “Not detected” and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

7. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.

9. NDP - No determination possible due to insufficient/unsuitable sample.

10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals - total metals must be requested separately.

11. Results relate only to the items tested.

12. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

13. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

14. **Product analyses** - Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.

15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 15).

17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

20. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

21. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

24. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as “mixed hydrocarbons”. Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

Sample Deviations

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Holding time exceeded before sample received**
5	**Samples exceeded holding time before presevation was performed**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to sampled on date**
&	**Sample Holding Time exceeded - Late arrival of instructions.**

Asbestos

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.