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

Newport City Council
Civic Centre
Newport
NP20 4UR

Attention: Meirion Humphreys

CERTIFICATE OF ANALYSIS

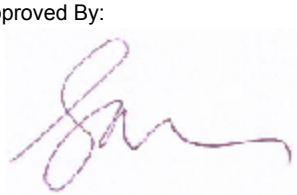
Date:	02 October 2017
Customer:	H_NCC_NPT
Sample Delivery Group (SDG):	170921-50
Your Reference:	
Location:	Docksway Landfill Site
Report No:	426361

We received 17 samples on Thursday September 21, 2017 and 17 of these samples were scheduled for analysis which was completed on Monday October 02, 2017. 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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
16222660	GW03_02		0.00 - 0.00	20/09/2017
16222668	GW03_05		0.00 - 0.00	20/09/2017
16222706	GW03_09		0.00 - 0.00	20/09/2017
16222605	GW06_13		0.00 - 0.00	20/09/2017
16222733	GW06_34		0.00 - 0.00	20/09/2017
16222754	GW06_36		0.00 - 0.00	20/09/2017
16222771	GW06_37		0.00 - 0.00	20/09/2017
16222630	GW06_39		0.00 - 0.00	20/09/2017
16222651	GW07_07		0.00 - 0.00	20/09/2017
16222641	GW07_40		0.00 - 0.00	20/09/2017
16222681	GW09_31		0.00 - 0.00	20/09/2017
16222693	GW09_32		0.00 - 0.00	20/09/2017
16222743	GW09_35		0.00 - 0.00	20/09/2017
16222577	GW12_30		0.00 - 0.00	20/09/2017
16222722	GW12_33		0.00 - 0.00	20/09/2017
16222587	GW12_38		0.00 - 0.00	20/09/2017
16222617	GW06_14A		0.00 - 0.00	20/09/2017

Maximum Sample/Coolbox Temperature (°C) : **15.0**

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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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)	16222660						16222668						16222706						16222605
			Customer Sample Reference	GW03_02						GW03_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	1000ml glass bottle (ALE220)	1lplastic (ALE221)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1lplastic (ALE221)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1lplastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)
			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: 17			X						X						X						
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 17				X						X							X				
Anions by Kone (w)	All	NDPs: 0 Tests: 17			X						X						X						
BOD True Total	All	NDPs: 0 Tests: 14																X					
COD Unfiltered	All	NDPs: 0 Tests: 17			X						X							X					
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 17			X						X						X						
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 17						X						X								X	
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 17					X						X							X			
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 14														X							X
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 17	X							X						X							X
Ionic Balance	All	NDPs: 0 Tests: 14															X						
Mercury Dissolved	All	NDPs: 0 Tests: 17				X							X							X			
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 17				X							X							X			
Nitrite by Kone (w)	All	NDPs: 0 Tests: 14																				X	
Organochlorine Pesticides (Aq)	All	NDPs: 0 Tests: 17	X							X						X							X

16222754	GW06_36		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X							X	
				HNO3 Filtered (ALE204)	GW								X				X	X		
				H2SO4 (ALE244)	GW		X													
				250ml BOD (ALE212)	GW				X	X										
				1lplastic (ALE221)	GW	X		X			X					X				
				1000ml glass bottle (ALE220)	GW									X	X					X
16222733	GW06_34		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X							X	
				HNO3 Filtered (ALE204)	GW								X				X	X		
				H2SO4 (ALE244)	GW		X													
				250ml BOD (ALE212)	GW				X	X										
				1lplastic (ALE221)	GW	X		X			X					X				
				1000ml glass bottle (ALE220)	GW									X	X					X
16222605	GW06_13		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X							X	
				HNO3 Filtered (ALE204)	GW								X				X	X		
				H2SO4 (ALE244)	GW		X													
				250ml BOD (ALE212)	GW				X	X										
				1lplastic (ALE221)	GW	X		X			X					X				

Validated

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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
			16222660	GW03_02		0.00 - 0.00	1000ml glass bottle (ALE220)	GW
							1lplastic (ALE221)	GW
							H2SO4 (ALE244)	GW
							HNO3 Filtered (ALE204)	GW
							NaOH (ALE245)	GW
							Vial (ALE297)	GW
			16222668	GW03_05		0.00 - 0.00	1000ml glass bottle (ALE220)	GW
							1lplastic (ALE221)	GW
							H2SO4 (ALE244)	GW
							HNO3 Filtered (ALE204)	GW
							NaOH (ALE245)	GW
							Vial (ALE297)	GW
			16222706	GW03_09		0.00 - 0.00	1000ml glass bottle (ALE220)	GW
							1lplastic (ALE221)	GW
							250ml BOD (ALE212)	GW
							H2SO4 (ALE244)	GW
							HNO3 Filtered (ALE204)	GW
							NaOH (ALE245)	GW
							Vial (ALE297)	GW
			16222605	GW06_13		0.00 - 0.00	1000ml glass bottle (ALE220)	GW
Organophosphorus Pesticides (Aq)	All	NDPs: 0 Tests: 17	X				X							X							X
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 17	X				X							X							X
pH Value	All	NDPs: 0 Tests: 17		X					X						X						
Phenols by HPLC (W)	All	NDPs: 0 Tests: 17			X					X							X				
Sulphide	All	NDPs: 0 Tests: 14													X						
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 17	X						X					X							X
Total Organic and Inorganic Carbon	All	NDPs: 0 Tests: 3	X						X												
VOC MS (W)	All	NDPs: 0 Tests: 17						X					X							X	

16222754	GW06_36		0.00 - 0.00	Vial (ALE297)	GW	
				NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	
				250ml BOD (ALE212)	GW	
				1plastic (ALE221)	GW	
				1000ml glass bottle (ALE220)	GW	X
16222733	GW06_34		0.00 - 0.00	Vial (ALE297)	GW	
				NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	X
				250ml BOD (ALE212)	GW	
				1plastic (ALE221)	GW	X
				1000ml glass bottle (ALE220)	GW	X
16222605	GW06_13		0.00 - 0.00	Vial (ALE297)	GW	X
				NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	X
				250ml BOD (ALE212)	GW	
				1plastic (ALE221)	GW	X
				1000ml glass bottle (ALE220)	GW	X
				Vial (ALE297)	GW	
				NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	X
				250ml BOD (ALE212)	GW	
				1plastic (ALE221)	GW	X

Validated

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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)			16222771							16222630							16222651					
Customer Sample Reference			GW06_37							GW06_39							GW07_07					
AGS Reference																						
Depth (m)			0.00 - 0.00							0.00 - 0.00							0.00 - 0.00					
Container			1000ml glass bottle (ALE220)	1plastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1plastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1plastic (ALE221)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	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: 17		X							X							X				
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 17				X							X						X			
Anions by Kone (w)	All	NDPs: 0 Tests: 17		X							X							X				
BOD True Total	All	NDPs: 0 Tests: 14			X							X										
COD Unfiltered	All	NDPs: 0 Tests: 17			X							X						X				
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 17		X							X							X				
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 17						X							X						X	
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 17					X							X						X		
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 14	X							X												
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 17	X							X							X					
Ionic Balance	All	NDPs: 0 Tests: 14		X							X											
Mercury Dissolved	All	NDPs: 0 Tests: 17					X							X						X		
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 17					X							X						X		
Nitrite by Kone (w)	All	NDPs: 0 Tests: 14						X							X							
Organochlorine Pesticides (Aq)	All	NDPs: 0 Tests: 17	X							X							X					

16222693	GW09_32		0.00 - 0.00	NaOH (ALE245)	GW							X							X	
				HNO3 Filtered (ALE204)	GW								X				X	X		
				H2SO4 (ALE244)	GW		X													
				250ml BOD (ALE212)	GW				X	X										
				1lplastic (ALE221)	GW	X		X			X					X				
				1000ml glass bottle (ALE220)	GW									X	X					X
16222681	GW09_31		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X							X	
				HNO3 Filtered (ALE204)	GW								X				X	X		
				H2SO4 (ALE244)	GW		X													
				250ml BOD (ALE212)	GW				X	X										
				1lplastic (ALE221)	GW	X		X			X					X				
				1000ml glass bottle (ALE220)	GW									X	X					X
16222641	GW07_40		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X							X	
				HNO3 Filtered (ALE204)	GW								X				X	X		
				H2SO4 (ALE244)	GW		X													
				250ml BOD (ALE212)	GW				X	X										
				1lplastic (ALE221)	GW	X		X			X					X				
				1000ml glass bottle (ALE220)	GW									X	X					X

Validated

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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)	16222771	16222630	16222651
			Customer Sample Reference	GW06_37	GW06_39	GW07_07
			AGS Reference			
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Container	1000ml glass bottle (ALE220)	1liplastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1liplastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1liplastic (ALE221)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	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
Organophosphorus Pesticides (Aq)	All	NDPs: 0 Tests: 17		X							X							X					
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 17		X							X							X					
pH Value	All	NDPs: 0 Tests: 17			X							X							X				
Phenols by HPLC (W)	All	NDPs: 0 Tests: 17					X							X						X			
Sulphide	All	NDPs: 0 Tests: 14			X							X											
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 17		X							X							X					
Total Organic and Inorganic Carbon	All	NDPs: 0 Tests: 3																X					
VOC MS (W)	All	NDPs: 0 Tests: 17							X								X						X

16222693	GW09_32		0.00 - 0.00	NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	
				250ml BOD (ALE212)	GW	
				1iplastic (ALE221)	GW	
				1000ml glass bottle (ALE220)	GW	X
16222681	GW09_31		0.00 - 0.00	Vial (ALE297)	GW	
				NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	
				250ml BOD (ALE212)	GW	
				1iplastic (ALE221)	GW	
				1000ml glass bottle (ALE220)	GW	X
16222641	GW07_40		0.00 - 0.00	Vial (ALE297)	GW	
				NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	
				250ml BOD (ALE212)	GW	
				1iplastic (ALE221)	GW	X
				1000ml glass bottle (ALE220)	GW	X

Validated

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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
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US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			16222693	16222743								16222577							16222722				
Customer Sample Reference			GW09_32	GW09_35								GW12_30							GW12_33				
AGS Reference																							
Depth (m)			0.00 - 0.00	0.00 - 0.00								0.00 - 0.00							0.00 - 0.00				
Container			Vial (ALE297)	1000ml glass bottle (ALE220)	1liplastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1liplastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1liplastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	
Sample Type			GW	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: 17			X							X							X				
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 17					X							X								X	
Anions by Kone (w)	All	NDPs: 0 Tests: 17			X							X							X				
BOD True Total	All	NDPs: 0 Tests: 14				X							X							X			
COD Unfiltered	All	NDPs: 0 Tests: 17				X							X							X			
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 17			X							X							X				
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 17							X							X							
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 17						X							X								X
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 14		X							X							X					
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 17		X							X							X					
Ionic Balance	All	NDPs: 0 Tests: 14			X							X							X				
Mercury Dissolved	All	NDPs: 0 Tests: 17						X							X								X
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 17						X							X								X
Nitrite by Kone (w)	All	NDPs: 0 Tests: 14							X							X							
Organochlorine Pesticides (Aq)	All	NDPs: 0 Tests: 17		X							X							X					

16222617	GW06_14A		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X							X	
				HNO3 Filtered (ALE204)	GW								X				X	X		
				H2SO4 (ALE244)	GW		X													
				250ml BOD (ALE212)	GW				X	X										
				1lplastic (ALE221)	GW	X		X			X					X				
				1000ml glass bottle (ALE220)	GW									X	X					X
16222587	GW12_38		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X							X	
				HNO3 Filtered (ALE204)	GW								X				X	X		
				H2SO4 (ALE244)	GW		X													
				250ml BOD (ALE212)	GW				X	X										
				1lplastic (ALE221)	GW	X		X			X					X				
				1000ml glass bottle (ALE220)	GW									X	X					X
16222722	GW12_33		0.00 - 0.00	Vial (ALE297)	GW															
				NaOH (ALE245)	GW							X							X	

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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
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RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

			Lab Sample No(s)																			
			16222693	16222743							16222577							16222722				
			Customer Sample Reference	GW09_32	GW09_35							GW12_30							GW12_33				
			AGS Reference																			
			Depth (m)	0.00 - 0.00	0.00 - 0.00							0.00 - 0.00							0.00 - 0.00				
			Container	Vial (ALE297)	1000ml glass bottle (ALE220)	1liplastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1liplastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE220)	1liplastic (ALE221)	250ml BOD (ALE212)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)
			Sample Type	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
Organophosphorus Pesticides (Aq)	All	NDPs: 0 Tests: 17		X							X							X				
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 17		X							X							X				
pH Value	All	NDPs: 0 Tests: 17			X							X							X			
Phenols by HPLC (W)	All	NDPs: 0 Tests: 17					X							X							X	
Sulphide	All	NDPs: 0 Tests: 14			X							X							X			
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 17		X							X							X				
VOC MS (W)	All	NDPs: 0 Tests: 17	X							X							X					

16222617	GW06_14A		0.00 - 0.00	Vial (ALE297)	GW	
				NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	
				250ml BOD (ALE212)	GW	
				1lplastic (ALE221)	GW	
				1000ml glass bottle (ALE220)	GW	X
16222587	GW12_38		0.00 - 0.00	Vial (ALE297)	GW	
				NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	X
				250ml BOD (ALE212)	GW	
				1lplastic (ALE221)	GW	X
				1000ml glass bottle (ALE220)	GW	X
16222722	GW12_33		0.00 - 0.00	Vial (ALE297)	GW	X
				NaOH (ALE245)	GW	
				HNO3 Filtered (ALE204)	GW	
				H2SO4 (ALE244)	GW	
				250ml BOD (ALE212)	GW	
				1lplastic (ALE221)	GW	X
				1000ml glass bottle (ALE220)	GW	X

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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.	GW03_02	GW03_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222660	16222668	16222706	16222605	16222733	16222754
			AGS Reference						
Ionic balance	% Diff	Calulation				9.8	-5.48	39.8	13.6
Alkalinity, Total as CaCO3	<2 mg/l	TM043		965 #	1040 #	400 #	840 #	670 #	850 #
BOD, unfiltered	<1 mg/l	TM045				<1.67 ♦ #	<1 #	8.03 #	2.24 ♦ #
Carbon, Organic (diss.filt)	<3 mg/l	TM090				6.29	10.3	14.6	11.9
Organic Carbon, Total	<3 mg/l	TM090		84 #	13.2 #				
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099		56.5 #	49.3 #	1.77 #	9.97 #	5.93 #	6.93 #
Sulphide	<0.01 mg/l	TM101				0.0779 #	<0.01 #	0.0455 #	<0.01 #
COD, unfiltered	<7 mg/l	TM107		258 #	115 #	44.4 #	93 #	56.9 #	111 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		1.74 #	1.9 #	1.64 #	6.84 #	1.51 #	8.49 #
Arsenic (diss.filt)	<0.5 µg/l	TM152		3.02 #	4.37 #	6.58 #	9.3 #	192 #	4.39 #
Boron (diss.filt)	<5 µg/l	TM152				836 #	1280 #	1330 #	1260 #
Cadmium (diss.filt)	<0.08 µg/l	TM152		<0.08 #	<0.08 #	<0.08 #	<0.08 #	<0.08 #	<0.08 #
Chromium (diss.filt)	<1 µg/l	TM152		<1 #	1.08 #	<1 #	<1 #	<1 #	<1 #
Copper (diss.filt)	<0.3 µg/l	TM152		0.362 #	<0.3 #	0.621 #	0.322 #	<0.3 #	<0.3 #
Lead (diss.filt)	<0.2 µg/l	TM152		<0.2 #	<0.2 #	<0.2 #	<0.2 #	<0.2 #	<0.2 #
Manganese (diss.filt)	<1 µg/l	TM152		1040 #	1040 #	467 #	225 #	705 #	492 #
Nickel (diss.filt)	<0.4 µg/l	TM152		1.47 #	1.59 #	1.57 #	1.25 #	0.814 #	0.523 #
Selenium (diss.filt)	<0.5 µg/l	TM152				0.557 #	1.09 #	<0.5 #	0.736 #
Zinc (diss.filt)	<1 µg/l	TM152		1.57 #	2.29 #	3.2 #	1.41 #	2.54 #	<1 #
EPH Range >C10 - C40 (aq)	<100 µg/l	TM172		838	138	<100	<100	157	<100
Mercury (diss.filt)	<0.01 µg/l	TM183		<0.01 #	<0.01 #	<0.01 #	<0.01 #	<0.01 #	<0.01 #
Nitrite as NO2	<0.05 mg/l	TM184				<0.05 #	<0.05 #	<0.05 #	<0.05 #
Sulphate	<2 mg/l	TM184		<2 #	<2 #	124 #	143 #	72.6 #	161 #
Chloride	<2 mg/l	TM184		132 #	154 #	324 #	2410 #	179 #	3160 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184				1.46 #	2.77 #	2.86 #	7.87 #
Nitrate as NO3	<0.3 mg/l	TM184				2.9	<0.3	<0.3	<0.3
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184		<0.1 #	<0.1 #	0.662 #	<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 #	<0.05 #				
Calcium (diss.filt)	<0.012 mg/l	TM228		165	172	102	93.2	122	231
Sodium (diss.filt)	<0.076 mg/l	TM228		323	66.3	327	1320	667	2430
Magnesium (diss.filt)	<0.036 mg/l	TM228		71.3	56.2	48	178	125	294

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
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**	% 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
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1-5&+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	GW03_02	GW03_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222660	16222668	16222706	16222605	16222733	16222754
			AGS Reference						
Potassium (diss.filt)	<1 mg/l	TM228		39	32.6	22.4	47.2	45.4	66.8
Iron (diss.filt)	<0.019 mg/l	TM228				0.472	0.619	12.3	4.33
Hardness, Total as CaCO3	<1 mg/l	TM228				453	966	820	1790
pH	<1 pH Units	TM256		7.05 #	7.17 #	7.07 #	8.11 #	7.45 #	7.67 #
Phenols, Total Detected monohydric	<0.016 mg/l	TM259		4.3 #	0.93 #	<0.016 #	<0.016 #	<0.016 #	<0.016 #
1,3,5-Trichlorobenzene	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2,4-Trichlorobenzene	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2,3-Trichlorobenzene	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Hexachlorobutadiene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dichlobenil	<0.01 µg/l	TM314		0.21	0.017	<0.01	<0.01	<0.01	<0.01
Etridiazole	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroneb	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tecnazene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propachlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trifluralin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
beta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
delta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triallate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorothalonil	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aldrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Isodrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dacthal	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor-exo-epoxide	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Chlordane	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-DDE	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Endosulphan	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-Chlordane	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4-DDE	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Results Legend

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Component	LOD/Units	Method	Customer Sample Ref.	GW03_02	GW03_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222660	16222668	16222706	16222605	16222733	16222754
			AGS Reference						
Dieldrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-DDD	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzilate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
beta-Endosulfan	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4-DDD	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-DDT	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin-Aldehyde	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4-DDT	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan-sulfate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
cis-Permethrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
trans-Permethrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cypermethrin	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Drins	<0.04 µg/l	TM314		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
DDT	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dichlorvos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mevinphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Omethoate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Demeton-s-methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Disulfoton	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phorate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dimethoate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dioxation	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propetamphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Simazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trietazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Atrazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Diazinon	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Terbufos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cypromazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
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			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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222660	16222668	16222706	16222605	16222733	16222754
			AGS Reference						
Chlorpyriphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Parathion-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Alachlor	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pirimiphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fenitrothion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Malathion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fenthion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorpyriphos-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Terbutryn	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Parathion-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triadimefon	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorfenvinphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromophos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Prometryn	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ethion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triazophos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbophenothion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPN	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phosalone	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Azinphos-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Amitraz	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Azinphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Coumaphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
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		59.9	70.1	95	105	68.5	107

Validated

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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	GW06_37	GW06_39	GW07_07	GW07_40	GW09_31	GW09_32
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			20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
Sampled Time			.	.	.	.	.	.
Date Received			21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
SDG Ref			170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
Lab Sample No.(s)			16222771	16222630	16222651	16222641	16222681	16222693
AGS Reference								
Ionic balance	% Diff	Calulation	-0.539	-11		12	-12.8	6.28
Alkalinity, Total as CaCO3	<2 mg/l	TM043	975 #	935 #	775 #	680 #	685 #	350 #
BOD, unfiltered	<1 mg/l	TM045	9.06 #	<1 #		2.78 #	<1 #	<1 #
Carbon, Organic (diss.filt)	<3 mg/l	TM090	6.51	14.3		16.5	7.62	7.23
Organic Carbon, Total	<3 mg/l	TM090			11.6 #			
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099	19.9 #	0.271 #	8.5 #	11 #	3.7 #	0.847 #
Sulphide	<0.01 mg/l	TM101	<0.01 #	<0.01 #		<0.01 #	0.111 #	<0.01 #
COD, unfiltered	<7 mg/l	TM107	170 #	74.8 #	43.5 #	67.7 #	35.4 #	43.7 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120	10.5 #	5.92 #	2.62 #	1.9 #	2.31 #	1.4 #
Arsenic (diss.filt)	<0.5 µg/l	TM152	21.5 #	3.59 #	1.66 #	14.4 #	8.96 #	1.31 #
Boron (diss.filt)	<5 µg/l	TM152	1650 #	1270 #		1400 #	525 #	579 #
Cadmium (diss.filt)	<0.08 µg/l	TM152	<0.08 #	<0.08 #	<0.08 #	<0.08 #	<0.08 #	<0.08 #
Chromium (diss.filt)	<1 µg/l	TM152	<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Copper (diss.filt)	<0.3 µg/l	TM152	<0.3 #	2.44 #	<0.3 #	0.329 #	<0.3 #	0.486 #
Lead (diss.filt)	<0.2 µg/l	TM152	<0.2 #	<0.2 #	<0.2 #	<0.2 #	<0.2 #	<0.2 #
Manganese (diss.filt)	<1 µg/l	TM152	360 #	716 #	863 #	191 #	2110 #	816 #
Nickel (diss.filt)	<0.4 µg/l	TM152	0.978 #	7.86 #	5.66 #	1.44 #	3.16 #	1.7 #
Selenium (diss.filt)	<0.5 µg/l	TM152	0.627 #	0.54 #		<0.5 #	<0.5 #	0.606 #
Zinc (diss.filt)	<1 µg/l	TM152	1.57 #	7.04 #	<1 #	1.94 #	2.5 #	2.48 #
EPH Range >C10 - C40 (aq)	<100 µg/l	TM172	<100	<100	296	<100	177	136
Mercury (diss.filt)	<0.01 µg/l	TM183	<0.01 #	<0.01 #	<0.01 #	<0.01 #	<0.01 #	<0.01 #
Nitrite as NO2	<0.05 mg/l	TM184	<0.05 #	<0.05 #		<0.05 #	<0.05 #	<0.05 #
Sulphate	<2 mg/l	TM184	28.2 #	149 #	<2 #	11.3 #	119 #	427 #
Chloride	<2 mg/l	TM184	3790 #	1890 #	603 #	337 #	522 #	132 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184	5.92 #	2.43 #		9.47 #	3.4 #	<0.05 #
Nitrate as NO3	<0.3 mg/l	TM184	<0.3	2.71		<0.3	<0.3	0.555
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184	<0.1 #	0.626 #	<0.1 #	<0.1 #	<0.1 #	0.132 #
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 #			
Calcium (diss.filt)	<0.012 mg/l	TM228	132	199	145	53.1	124	109
Sodium (diss.filt)	<0.076 mg/l	TM228	2250	857	420	453	287	306
Magnesium (diss.filt)	<0.036 mg/l	TM228	222	142	63.4	65.3	53.5	37.8

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
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aq	Aqueous / settled sample.
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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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	-	-	-	-	-	-
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222771	16222630	16222651	16222641	16222681	16222693
			AGS Reference						
Potassium (diss.filt)	<1 mg/l	TM228		64.9	58.6	21.8	32.9	14.7	18.4
Iron (diss.filt)	<0.019 mg/l	TM228		2.43	<0.19		0.603	2.47	0.762
Hardness, Total as CaCO3	<1 mg/l	TM228		1240	1080		402	530	428
pH	<1 pH Units	TM256		7.82 #	7.7 #	8.04 #	8.13 #	7.6 #	7.45 #
Phenols, Total Detected monohydric	<0.016 mg/l	TM259		<0.016 #	<0.016 #	<0.016 #	<0.016 #	<0.016 #	<0.016 #
1,3,5-Trichlorobenzene	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2,4-Trichlorobenzene	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2,3-Trichlorobenzene	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Hexachlorobutadiene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dichlobenil	<0.01 µg/l	TM314		<0.01	0.04	<0.01	<0.01	<0.01	<0.01
Etridiazole	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroneb	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tecnazene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propachlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trifluralin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
beta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
delta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triallate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorothalonil	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aldrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Isodrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dacthal	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor-exo-epoxide	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Chlordane	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-DDE	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Endosulphan	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-Chlordane	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4-DDE	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222771	16222630	16222651	16222641	16222681	16222693
			AGS Reference						
Dieldrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-DDD	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzilate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
beta-Endosulfan	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4-DDD	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-DDT	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin-Aldehyde	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4-DDT	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan-sulfate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
cis-Permethrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
trans-Permethrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cypermethrin	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Drins	<0.04 µg/l	TM314		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
DDT	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dichlorvos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mevinphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Omethoate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Demeton-s-methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Disulfoton	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phorate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dimethoate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dioxation	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propetamphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Simazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trietazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Atrazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Diazinon	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Terbufos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cypromazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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			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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222771	16222630	16222651	16222641	16222681	16222693
			AGS Reference						
Chlorpyriphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Parathion-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Alachlor	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pirimiphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fenitrothion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Malathion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fenthion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorpyriphos-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Terbutryn	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Parathion-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triadimefon	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorfenvinphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromophos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Prometryn	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ethion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triazophos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbophenothion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPN	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phosalone	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Azinphos-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Amitraz	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Azinphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Coumaphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
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		86.6	107	102	97.5	106	102

Validated

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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	GW06_14A
			Depth (m)	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)
			Date Sampled	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222743	16222577	16222722	16222587	16222617
			AGS Reference					
Ionic balance	% Diff	Calulation		-19	5.6	-33.3	-19.1	10.2
Alkalinity, Total as CaCO3	<2 mg/l	TM043		895 #	650 #	1030 #	380 #	1190 #
BOD, unfiltered	<1 mg/l	TM045		<1 #	2.34 #	<3 ♦ #	<1.67 #	180 #
Carbon, Organic (diss.filt)	<3 mg/l	TM090		10.1	6.33	23.3	7.32	65.9
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099		13.2 #	1.24 #	15 #	6.1 #	73.6 #
Sulphide	<0.01 mg/l	TM101		<0.01 #	<0.01 #	<0.01 #	<0.01 #	0.773 #
COD, unfiltered	<7 mg/l	TM107		154 #	112 #	80 #	115 #	289 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		10.5 #	1.5 #	4.43 #	8.43 #	7.66 #
Arsenic (diss.filt)	<0.5 µg/l	TM152		5.07 #	13.3 #	47.9 #	2.97 #	12.8 #
Boron (diss.filt)	<5 µg/l	TM152		1070 #	548 #	736 #	1060 #	879 #
Cadmium (diss.filt)	<0.08 µg/l	TM152		<0.08 #	<0.08 #	<0.08 #	<0.08 #	<0.08 #
Chromium (diss.filt)	<1 µg/l	TM152		<1 #	<1 #	<1 #	<1 #	<1 #
Copper (diss.filt)	<0.3 µg/l	TM152		<0.3 #	<0.3 #	<0.3 #	0.813 #	<0.3 #
Lead (diss.filt)	<0.2 µg/l	TM152		<0.2 #	<0.2 #	<0.2 #	<0.2 #	<0.2 #
Manganese (diss.filt)	<1 µg/l	TM152		1190 #	2580 #	976 #	611 #	1380 #
Nickel (diss.filt)	<0.4 µg/l	TM152		1.46 #	5.61 #	1.45 #	1.13 #	1.08 #
Selenium (diss.filt)	<0.5 µg/l	TM152		0.618 #	0.628 #	0.803 #	<0.5 #	<0.5 #
Zinc (diss.filt)	<1 µg/l	TM152		1.2 #	3.7 #	2.23 #	<1 #	<1 #
EPH Range >C10 - C40 (aq)	<100 µg/l	TM172		<100	<100	<100	<100	4310
Mercury (diss.filt)	<0.01 µg/l	TM183		<0.01 #	<0.01 #	<0.01 #	<0.01 #	<0.01 #
Nitrite as NO2	<0.05 mg/l	TM184		<0.05 #	<0.05 #	<0.05 #	<0.05 #	0.052 #
Sulphate	<2 mg/l	TM184		140 #	32.9 #	<2 #	497 #	154 #
Chloride	<2 mg/l	TM184		3990 #	219 #	1170 #	3200 #	2620 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		10.1 #	<0.05 #	0.073 #	0.084 #	2.76 #
Nitrate as NO3	<0.3 mg/l	TM184		<0.3	<0.3	<0.3	<0.3	<0.3
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184		<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #
Cyanide, Total	<0.05 mg/l	TM227		<0.05 #	<0.05 #	<0.05 #	<0.05 #	<0.05 #
Calcium (diss.filt)	<0.012 mg/l	TM228		212	102	126	116	191
Sodium (diss.filt)	<0.076 mg/l	TM228		1420	293	333	1200	2020
Magnesium (diss.filt)	<0.036 mg/l	TM228		194	46.3	53.6	165	232
Potassium (diss.filt)	<1 mg/l	TM228		49.3	11.6	24.5	47.4	66.9
Iron (diss.filt)	<0.019 mg/l	TM228		2.49	4.25	3.6	0.758	5.89

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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	GW06_14A
			Depth (m)	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)
			Date Sampled	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	-	-	-	-	-
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222743	16222577	16222722	16222587	16222617
			AGS Reference					
Hardness, Total as CaCO3	<1 mg/l	TM228		1330	446	536	970	1430
pH	<1 pH Units	TM256		7.59 #	7.15 #	7.46 #	8.42 #	8.03 #
Phenols, Total Detected monohydric	<0.016 mg/l	TM259		<0.016 #	<0.016 #	<0.016 #	<0.016 #	6.09 #
1,3,5-Trichlorobenzene	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02
1,2,4-Trichlorobenzene	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02
1,2,3-Trichlorobenzene	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02
Hexachlorobutadiene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Dichlobenil	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Etridiazole	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Chloroneb	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Tecnazene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Propachlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Trifluralin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
alpha-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
beta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
gamma-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
delta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Triallate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Chlorothalonil	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Aldrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Isodrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Dacthal	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor-exo-epoxide	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Chlordane	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
2,4-DDE	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Endosulphan	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
gamma-Chlordane	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
4,4-DDE	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Dieldrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
2,4-DDD	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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	GW06_14A
			Depth (m)	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)
			Date Sampled	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	-	-	-	-	-
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222743	16222577	16222722	16222587	16222617
			AGS Reference					
Endrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzilate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
beta-Endosulfan	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
4,4-DDD	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
2,4-DDT	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Endrin-Aldehyde	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
4,4-DDT	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan-sulfate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
cis-Permethrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
trans-Permethrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01
Cypermethrin	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02
Drins	<0.04 µg/l	TM314		<0.04	<0.04	<0.04	<0.04	<0.04
DDT	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02
Dichlorvos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Mevinphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Omethoate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Demeton-s-methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Disulfoton	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Phorate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Dimethoate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Dioxation	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Propetamphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Simazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Trietazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Atrazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Diazinon	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Propazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Terbufos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Cypromazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Chlorpyriphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01
Parathion-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
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tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
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(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	GW06_14A	
			Depth (m)	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)	
			Date Sampled	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	
			Sampled Time	-	-	-	-	-	
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	
			Lab Sample No.(s)	16222743	16222577	16222722	16222587	16222617	
			AGS Reference						
Alachlor	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Pirimiphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Fenitrothion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Malathion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Fenthion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Chlorpyriphos-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Terbutryn	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Parathion-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Triadimefon	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Chlorfenvinphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Bromophos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Prometryn	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Ethion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Triazophos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Carbophenothion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
EPN	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Phosalone	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Azinphos-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Amitraz	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Azinphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Coumaphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	
Dibutyl tin	<5 ng/l	TM328		<5	<5	<5	<5	<5	
Tributyl tin	<1 ng/l	TM328		<1	<1	<1	<1	<1	
Tetrabutyl tin	<2 ng/l	TM328		<2	<2	<2	<2	<2	
Triphenyl tin	<1 ng/l	TM328		<1	<1	<1	<1	<1	
Surrogate	%	TM328		105	102	91.2	89.6	80	

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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.	GW03_02	GW03_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222660	16222668	16222706	16222605	16222733	16222754
			AGS Reference						
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Chlorophenol (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Methylphenol (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Nitroaniline (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
2-Nitrophenol (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
3-Nitroaniline (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Chloroaniline (aq)	<1 µg/l	TM176		<10	<1	<1	<1	<1	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Methylphenol (aq)	<1 µg/l	TM176		1150 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Nitroaniline (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-Nitrophenol (aq)	<1 µg/l	TM176		<10	<1	<1	<1	<1	<1
Azobenzene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Acenaphthylene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Acenaphthene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Anthracene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<20 #	<2 #	<2 #	<2 #	<2 #	<2 #
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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.	GW03_02	GW03_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	-	-	-	-	-	-
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222660	16222668	16222706	16222605	16222733	16222754
			AGS Reference						
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Carbazole (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chrysene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibenzofuran (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Diethyl phthalate (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dimethyl phthalate (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<50 #	<5 #	<5 #	<5 #	<5 #	<5 #
Fluoranthene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Fluorene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobenzene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Pentachlorophenol (aq)	<1 µg/l	TM176		<10	<1	<1	<1	<1	<1
Phenol (aq)	<1 µg/l	TM176		243	<1	<1	<1	<1	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachloroethane (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Nitrobenzene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Naphthalene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Isophorone (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<10	<1	<1	<1	<1	<1
Phenanthrene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #
Pyrene (aq)	<1 µg/l	TM176		<10 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222771	16222630	16222651	16222641	16222681	16222693
			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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	-	-	-	-	-	-
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222771	16222630	16222651	16222641	16222681	16222693
			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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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.	GW09_35	GW12_30	GW12_33	GW12_38	GW06_14A
			Depth (m)	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)
			Date Sampled	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222743	16222577	16222722	16222587	16222617
			AGS Reference					
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2-Chlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	78.7 #
2-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
2-Nitrophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
3-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<20
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
4-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	1970 #
4-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<20
Azobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Acenaphthylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Acenaphthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2 #	<2 #	<2 #	<2 #	<40 #
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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.	GW09_35	GW12_30	GW12_33	GW12_38	GW06_14A
			Depth (m)	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)
			Date Sampled	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	-	-	-	-	-
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222743	16222577	16222722	16222587	16222617
			AGS Reference					
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Carbazole (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Chrysene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Dibenzofuran (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Diethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5 #	<5 #	<5 #	<5 #	<100 #
Fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Fluorene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<20
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	286
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Hexachloroethane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Nitrobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Naphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Isophorone (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<20
Phenanthrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #
Pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<20 #

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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.	GW03_02	GW03_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222660	16222668	16222706	16222605	16222733	16222754
			AGS Reference						
Dibromofluoromethane**	%	TM208		107	114	113	107	108	108
Toluene-d8**	%	TM208		102	103	99.9	98.5	98.5	99
4-Bromofluorobenzene**	%	TM208		100	101	102	96	97.9	102
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		152 #	168 #	<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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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.	GW03_02	GW03_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	-	-	-	-	-	-
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222660	16222668	16222706	16222605	16222733	16222754
			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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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
			GW03_02	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222660	
			GW03_05	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222668	
			GW03_09	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222706	
			GW06_13	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222605	
			GW06_34	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222733	
			GW06_36	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222754	
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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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_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	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222771	16222630	16222651	16222641	16222681	16222693
			AGS Reference						
Dibromofluoromethane**	%	TM208		108	110	113	110	111	109
Toluene-d8**	%	TM208		99.1	99.9	99.5	99.7	99.6	98.9
4-Bromofluorobenzene**	%	TM208		101	100	103	100	101	99.4
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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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_37	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222771	
			GW06_39	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222630	
			GW07_07	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222651	
			GW07_40	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222641	
			GW09_31	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222681	
			GW09_32	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222693	
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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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_37	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222771	
			GW06_39	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222630	
			GW07_07	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222651	
			GW07_40	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222641	
			GW09_31	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222681	
			GW09_32	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222693	
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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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.	GW09_35	GW12_30	GW12_33	GW12_38	GW06_14A
			Depth (m)	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)
			Date Sampled	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	.	.	.	.	.
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222743	16222577	16222722	16222587	16222617
			AGS Reference					
Dibromofluoromethane**	%	TM208		111	116	109	110	107
Toluene-d8**	%	TM208		99.6	98.9	98.2	99	96.9
4-Bromofluorobenzene**	%	TM208		104	99.7	97.7	100	99.4
Dichlorodifluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Vinyl chloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Trichlorofluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Carbon disulphide	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Dichloromethane	<3 µg/l	TM208		<3 #	<3 #	<3 #	<3 #	<3 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
2,2-Dichloropropane	<1 µg/l	TM208		<1	<1	<1	<1	<1
Bromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chloroform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Carbontetrachloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Benzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Trichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Dibromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromodichloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Toluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	148 #
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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.	GW09_35	GW12_30	GW12_33	GW12_38	GW06_14A
			Depth (m)	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)
			Date Sampled	20/09/2017	20/09/2017	20/09/2017	20/09/2017	20/09/2017
			Sampled Time	-	-	-	-	-
			Date Received	21/09/2017	21/09/2017	21/09/2017	21/09/2017	21/09/2017
			SDG Ref	170921-50	170921-50	170921-50	170921-50	170921-50
			Lab Sample No.(s)	16222743	16222577	16222722	16222587	16222617
			AGS Reference					
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
o-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Styrene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromoform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #
Naphthalene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

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
			GW09_35	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222743	
			GW12_30	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222577	
			GW12_33	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222722	
			GW12_38	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222587	
			GW06_14A	0.00 - 0.00	Ground Water (GW)	20/09/2017	.	21/09/2017	170921-50	16222617	
1,2,3-Trichlorobenzene	<1 µg/l	TM208	<1 #	<1 #	<1 #	<1 #	<1 #				
1,3,5-Trichlorobenzene	<1 µg/l	TM208	<1	<1	<1	<1	<1				

CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Table of Results - Appendix

Method No	Reference	Description	Wet/Dry Sample [1]	Surrogate Corrected
Calulation				
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		
TM228	US EPA Method 6010B	Determination of Major Cations in Water by iCap 6500 Duo ICP-OES		
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		
TM314		Analysis of Organochlorine Pesticides in Aqueous sample by GCMS		
TM315		Analysis of Organophosphorus Pesticides in Aqueous samples by GCMS		
TM328				

[1] Applies to Solid samples only. DRY indicates samples have been dried at 35°C. 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:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	16222660	16222668	16222706	16222605	16222733	16222754	16222771	16222630	16222651	16222641
Customer Sample Ref.	GW03_02	GW03_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	27-Sep-2017	27-Sep-2017	26-Sep-2017	26-Sep-2017	27-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	27-Sep-2017
Alkalinity Filtered as CaCO3			26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017		26-Sep-2017
Ammoniacal Nitrogen	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	25-Sep-2017	25-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017
Anions by Kone (w)	29-Sep-2017	29-Sep-2017	30-Sep-2017	29-Sep-2017	30-Sep-2017	30-Sep-2017	30-Sep-2017	30-Sep-2017	29-Sep-2017	30-Sep-2017
BOD True Total			28-Sep-2017	27-Sep-2017	27-Sep-2017	28-Sep-2017	27-Sep-2017	27-Sep-2017		27-Sep-2017
COD Unfiltered	27-Sep-2017	28-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	28-Sep-2017	28-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017
Conductivity (at 20 deg.C)	25-Sep-2017	25-Sep-2017	25-Sep-2017	26-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017
Cyanide Comp/Free/Total/Thiocyanate	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	26-Sep-2017	27-Sep-2017
Dissolved Metals by ICP-MS	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	28-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017
Dissolved Organic/Inorganic Carbon			25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	22-Sep-2017	26-Sep-2017		25-Sep-2017
EPH (DRO) (C10-C40) Aqueous (W)	29-Sep-2017	28-Sep-2017	28-Sep-2017	28-Sep-2017	29-Sep-2017	28-Sep-2017	28-Sep-2017	27-Sep-2017	27-Sep-2017	28-Sep-2017
Ionic Balance			02-Oct-2017	02-Oct-2017	02-Oct-2017	02-Oct-2017	02-Oct-2017	02-Oct-2017		02-Oct-2017
Mercury Dissolved	22-Sep-2017	22-Sep-2017	22-Sep-2017	25-Sep-2017	22-Sep-2017	22-Sep-2017	22-Sep-2017	22-Sep-2017	22-Sep-2017	22-Sep-2017
Metals by iCap-OES Dissolved (W)	27-Sep-2017	27-Sep-2017	27-Sep-2017	28-Sep-2017	28-Sep-2017	28-Sep-2017	28-Sep-2017	28-Sep-2017	29-Sep-2017	28-Sep-2017
Nitrite by Kone (w)			25-Sep-2017	27-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017		27-Sep-2017
Organochlorine Pesticides (Aq)	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017
Organophosphorus Pesticides (Aq)	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017
Organotins in Aqueous Samples	29-Sep-2017	26-Sep-2017	26-Sep-2017	27-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017
pH Value	24-Sep-2017	24-Sep-2017	22-Sep-2017	25-Sep-2017	24-Sep-2017	24-Sep-2017	24-Sep-2017	24-Sep-2017	24-Sep-2017	24-Sep-2017
Phenols by HPLC (W)	25-Sep-2017	25-Sep-2017	25-Sep-2017	23-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017
Sulphide			27-Sep-2017	29-Sep-2017	27-Sep-2017	29-Sep-2017	28-Sep-2017	29-Sep-2017		28-Sep-2017
SVOC MS (W) - Aqueous	29-Sep-2017	28-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	28-Sep-2017	29-Sep-2017
Total Organic and Inorganic Carbon	26-Sep-2017	26-Sep-2017							25-Sep-2017	
VOC MS (W)	27-Sep-2017	27-Sep-2017	27-Sep-2017	26-Sep-2017	26-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017

Lab Sample No(s)	16222681	16222693	16222743	16222577	16222722	16222587	16222617
Customer Sample Ref.	GW09_31	GW09_32	GW09_35	GW12_30	GW12_33	GW12_38	GW06_14A
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
Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Alkalinity as CaCO3	22-Sep-2017	26-Sep-2017	27-Sep-2017	26-Sep-2017	26-Sep-2017	27-Sep-2017	26-Sep-2017
Alkalinity Filtered as CaCO3	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017
Ammoniacal Nitrogen	26-Sep-2017	26-Sep-2017	25-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017
Anions by Kone (w)	30-Sep-2017	30-Sep-2017	30-Sep-2017	30-Sep-2017	30-Sep-2017	29-Sep-2017	29-Sep-2017
BOD True Total	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	28-Sep-2017	27-Sep-2017	27-Sep-2017
COD Unfiltered	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	28-Sep-2017	27-Sep-2017	28-Sep-2017
Conductivity (at 20 deg.C)	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	22-Sep-2017	26-Sep-2017	27-Sep-2017
Cyanide Comp/Free/Total/Thiocyanate	27-Sep-2017	26-Sep-2017	27-Sep-2017	27-Sep-2017	26-Sep-2017	27-Sep-2017	26-Sep-2017
Dissolved Metals by ICP-MS	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017
Dissolved Organic/Inorganic Carbon	26-Sep-2017	25-Sep-2017	25-Sep-2017	22-Sep-2017	26-Sep-2017	25-Sep-2017	25-Sep-2017
EPH (DRO) (C10-C40) Aqueous (W)	27-Sep-2017	27-Sep-2017	27-Sep-2017	28-Sep-2017	28-Sep-2017	28-Sep-2017	29-Sep-2017
Ionic Balance	02-Oct-2017	02-Oct-2017	02-Oct-2017	02-Oct-2017	02-Oct-2017	02-Oct-2017	02-Oct-2017
Mercury Dissolved	22-Sep-2017	22-Sep-2017	22-Sep-2017	22-Sep-2017	22-Sep-2017	25-Sep-2017	25-Sep-2017
Metals by iCap-OES Dissolved (W)	27-Sep-2017	27-Sep-2017	28-Sep-2017	27-Sep-2017	27-Sep-2017	28-Sep-2017	28-Sep-2017
Nitrite by Kone (w)	28-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	27-Sep-2017	25-Sep-2017	27-Sep-2017
Organochlorine Pesticides (Aq)	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017
Organophosphorus Pesticides (Aq)	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017	25-Sep-2017
Organotins in Aqueous Samples	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	26-Sep-2017	27-Sep-2017	29-Sep-2017
pH Value	22-Sep-2017	24-Sep-2017	24-Sep-2017	22-Sep-2017	24-Sep-2017	25-Sep-2017	25-Sep-2017
Phenols by HPLC (W)	25-Sep-2017	25-Sep-2017	25-Sep-2017	26-Sep-2017	25-Sep-2017	26-Sep-2017	25-Sep-2017
Sulphide	27-Sep-2017	29-Sep-2017	29-Sep-2017	27-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017
SVOC MS (W) - Aqueous	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017	29-Sep-2017
VOC MS (W)	27-Sep-2017	26-Sep-2017	27-Sep-2017	27-Sep-2017	26-Sep-2017	27-Sep-2017	27-Sep-2017

CERTIFICATE OF ANALYSIS

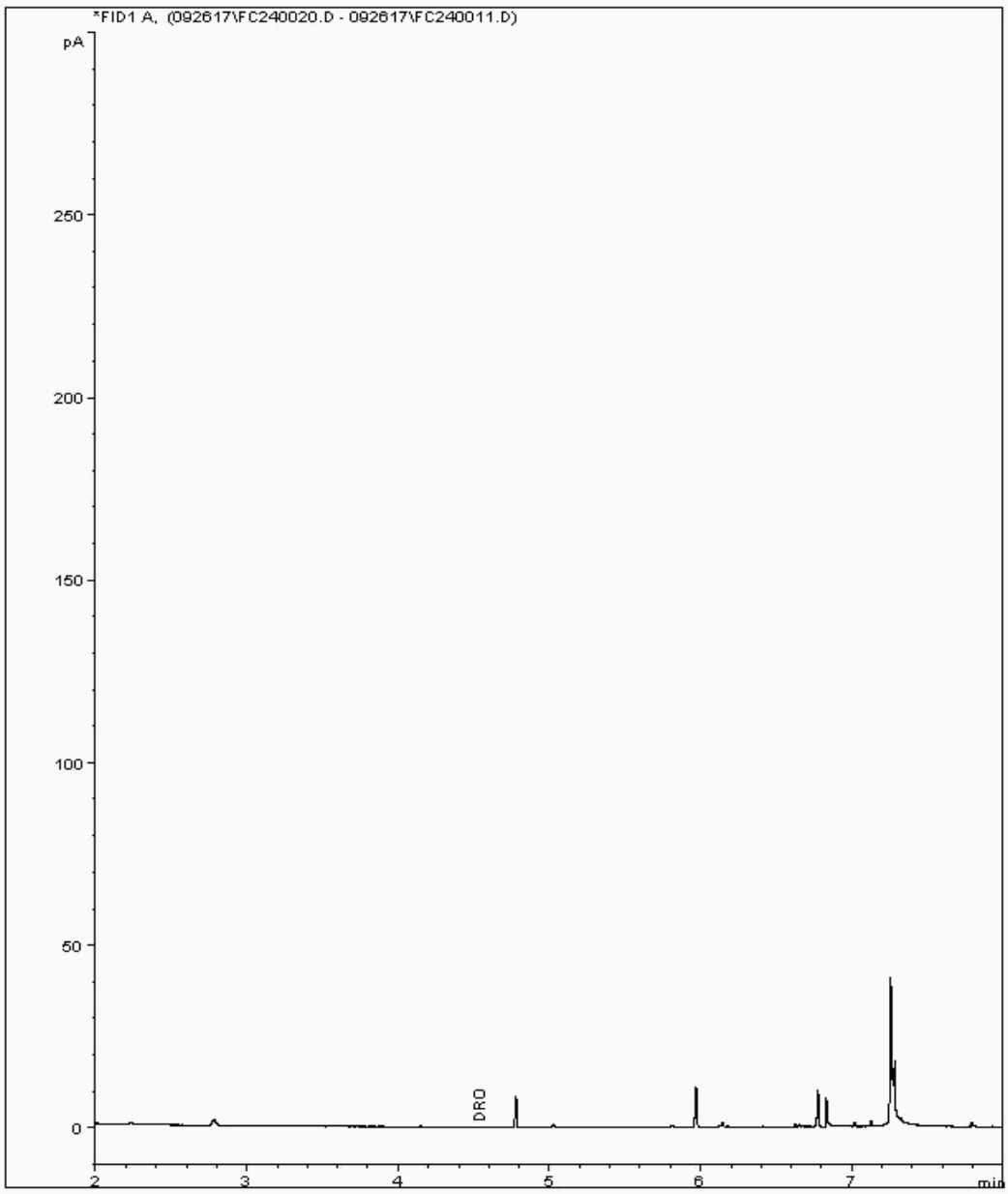
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16223601 **Sample ID :** GW09_31 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194247-
Date Acquired : 27/09/2017 00:23:02 PM
Units : ppm



CERTIFICATE OF ANALYSIS

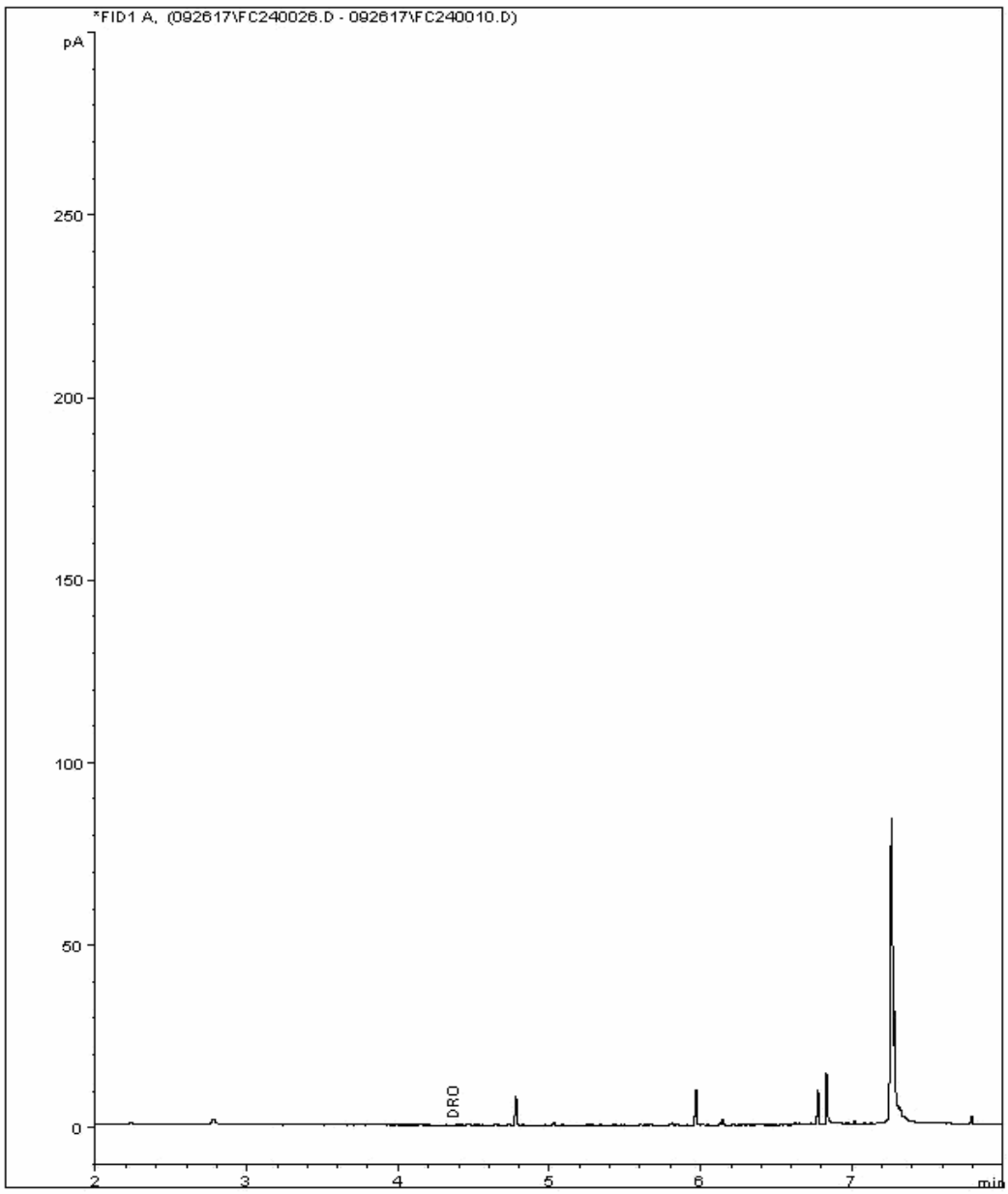
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16223617 **Sample ID :** GW07_07 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194184-
Date Acquired : 27/09/2017 02:46:57 PM
Units : ppm



CERTIFICATE OF ANALYSIS

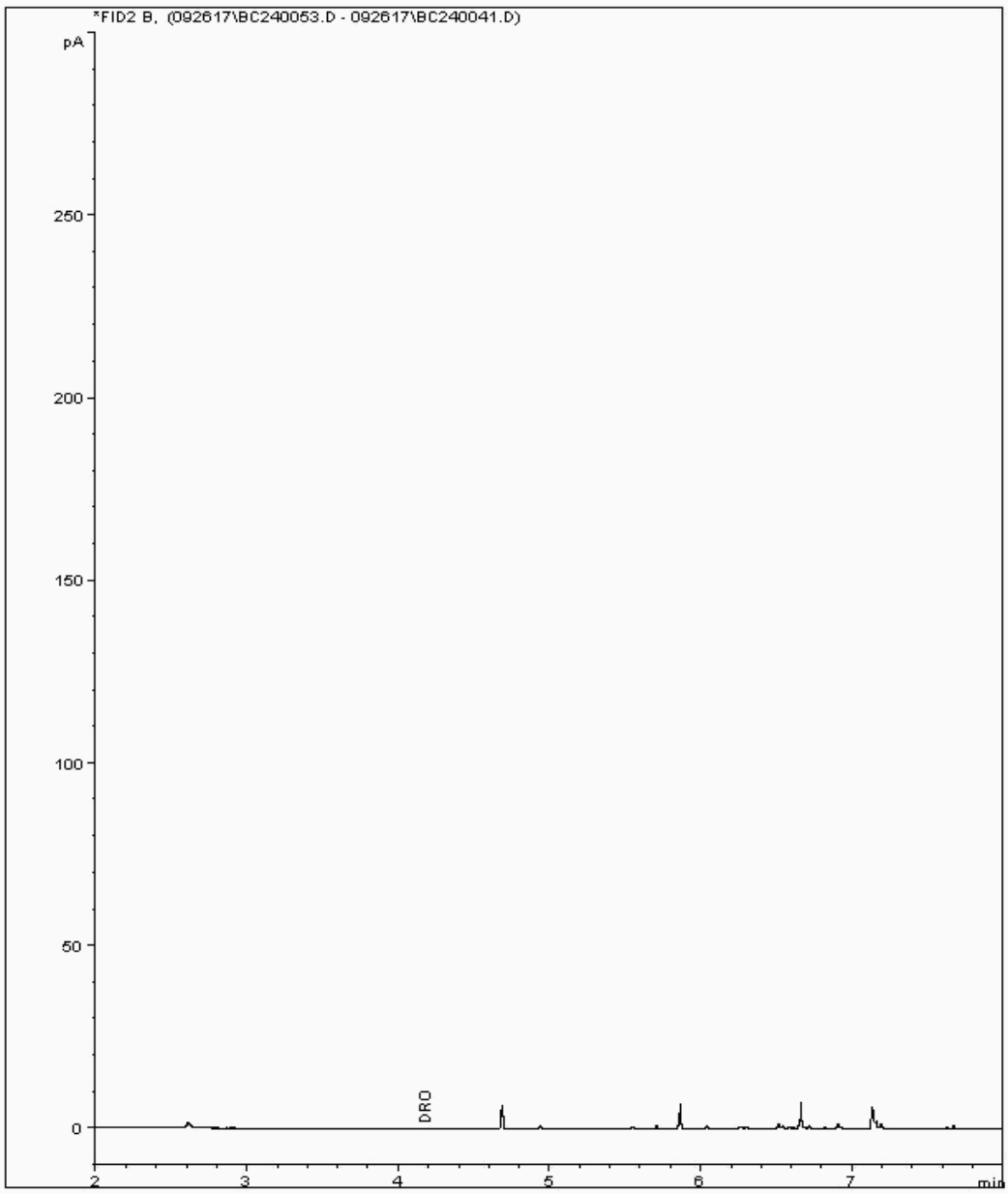
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16223660 **Sample ID :** GW07_40 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194163-
Date Acquired : 27/09/2017 13:49:34 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

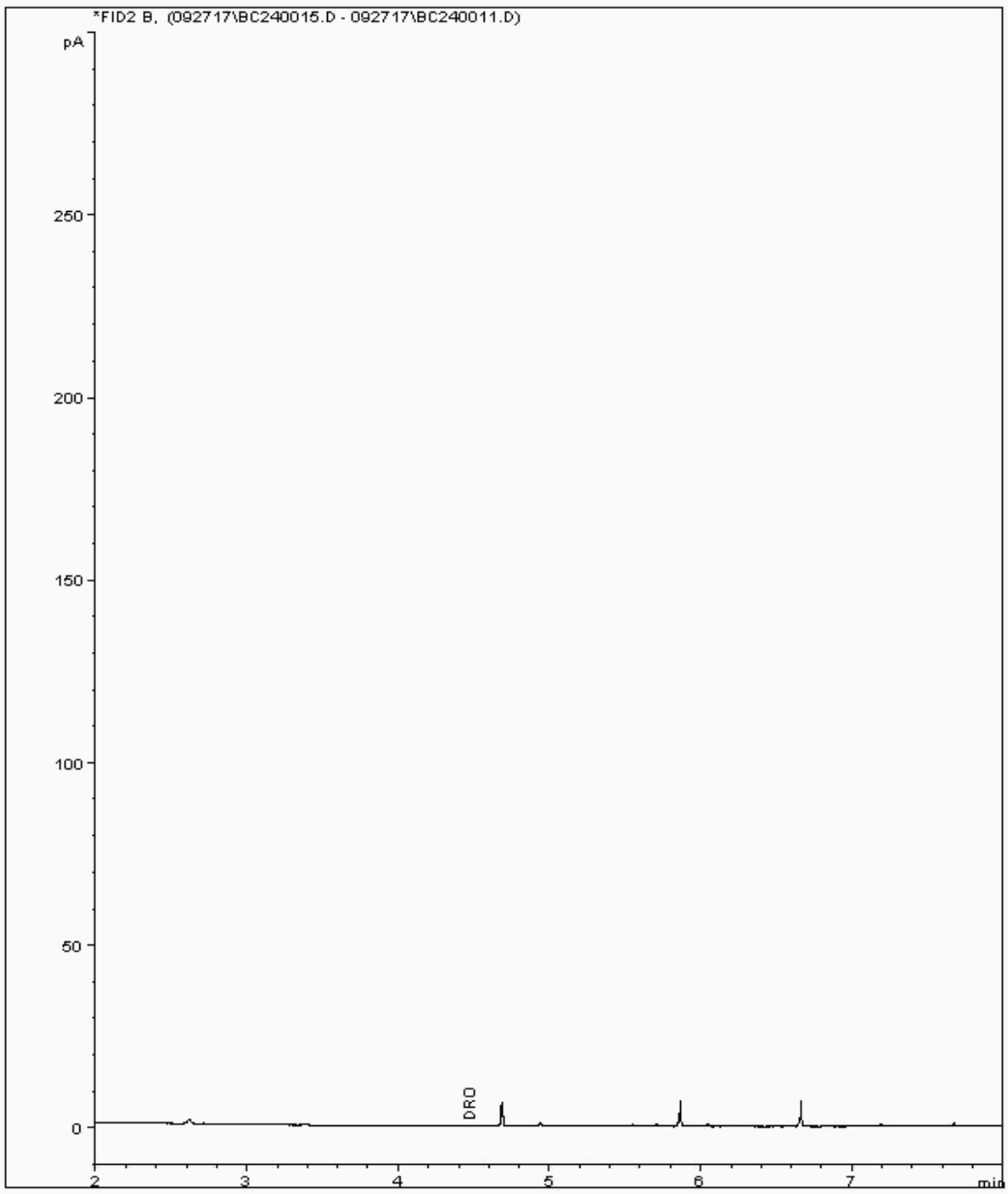
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16223731 **Sample ID :** GW03_09 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194295-
Date Acquired : 27/09/2017 22:35:07 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

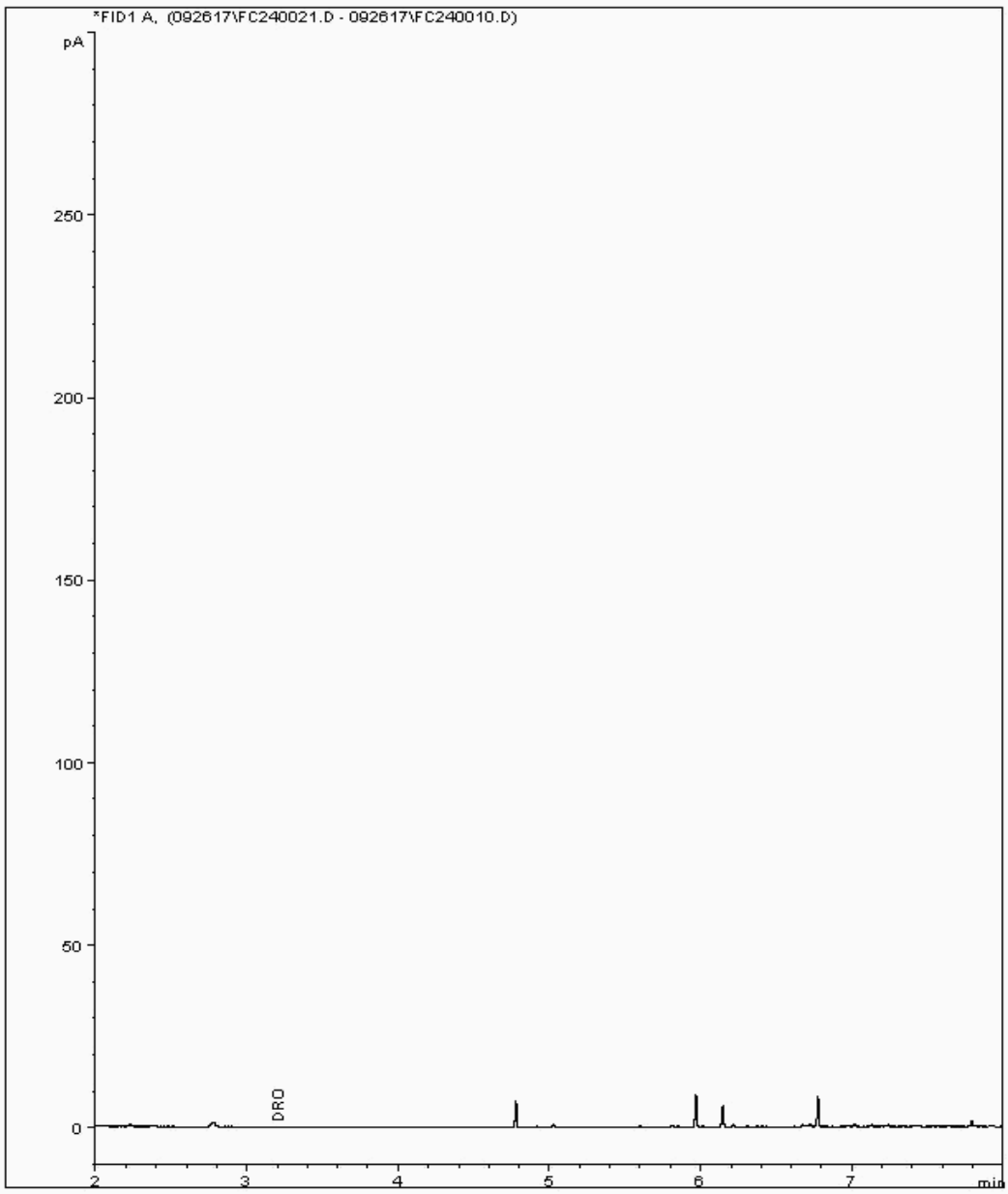
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225385 **Sample ID :** GW06_39 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194136-
Date Acquired : 27/09/2017 00:47:17 PM
Units : ppm

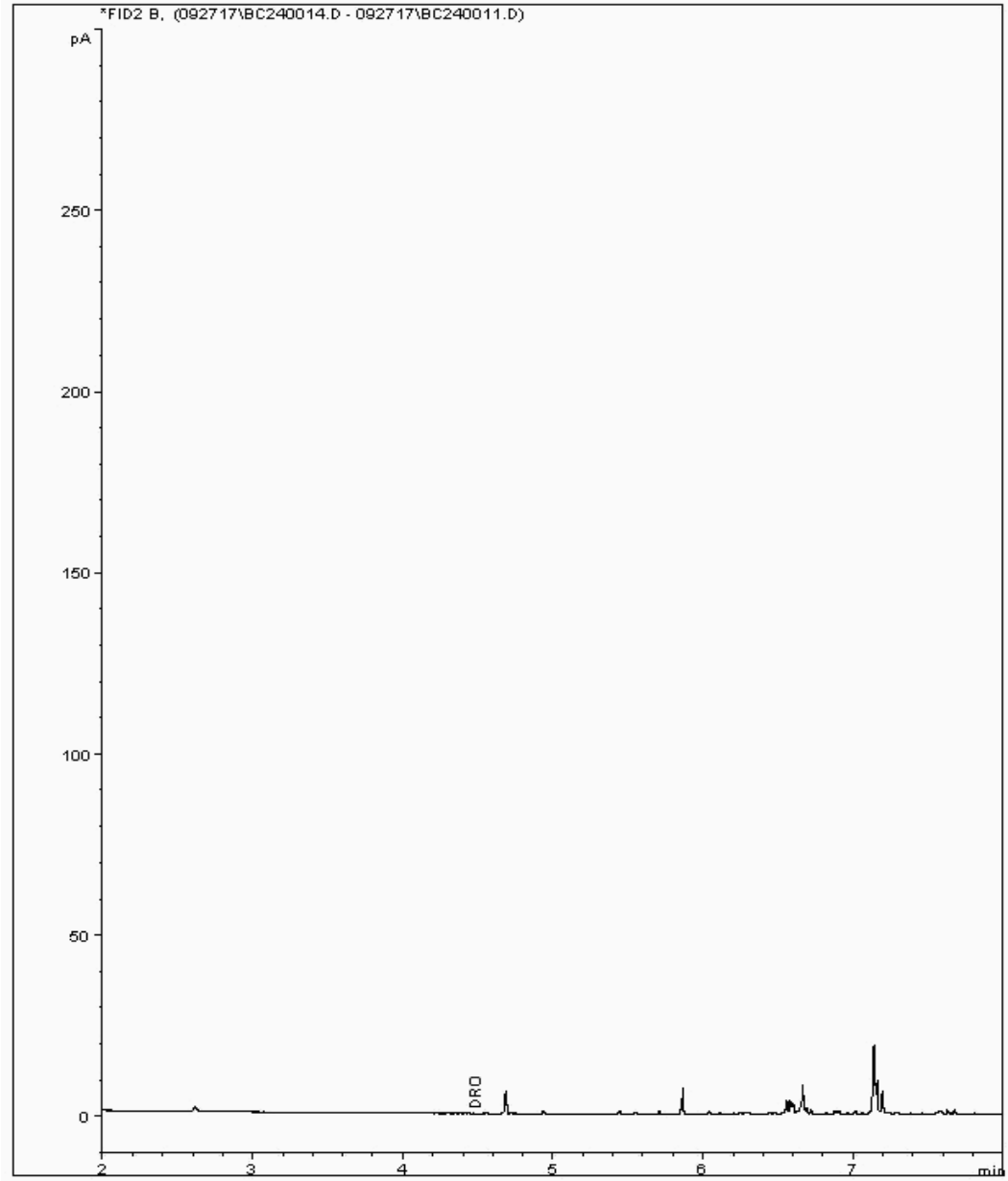


CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225760 **Sample ID :** GW03_05 **Depth :** 0.00 - 0.00

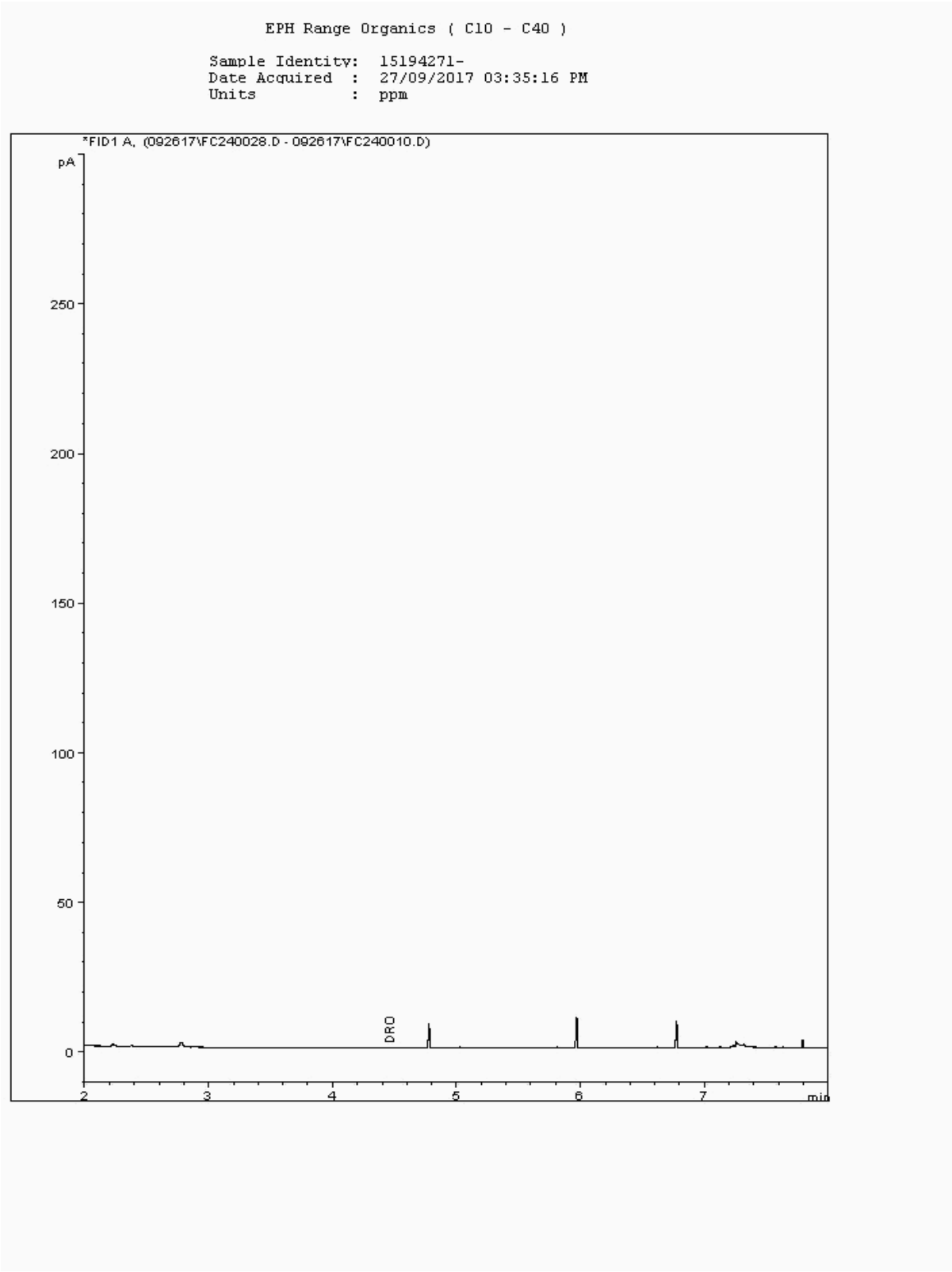


CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225772 **Sample ID :** GW09_32 **Depth :** 0.00 - 0.00



CERTIFICATE OF ANALYSIS

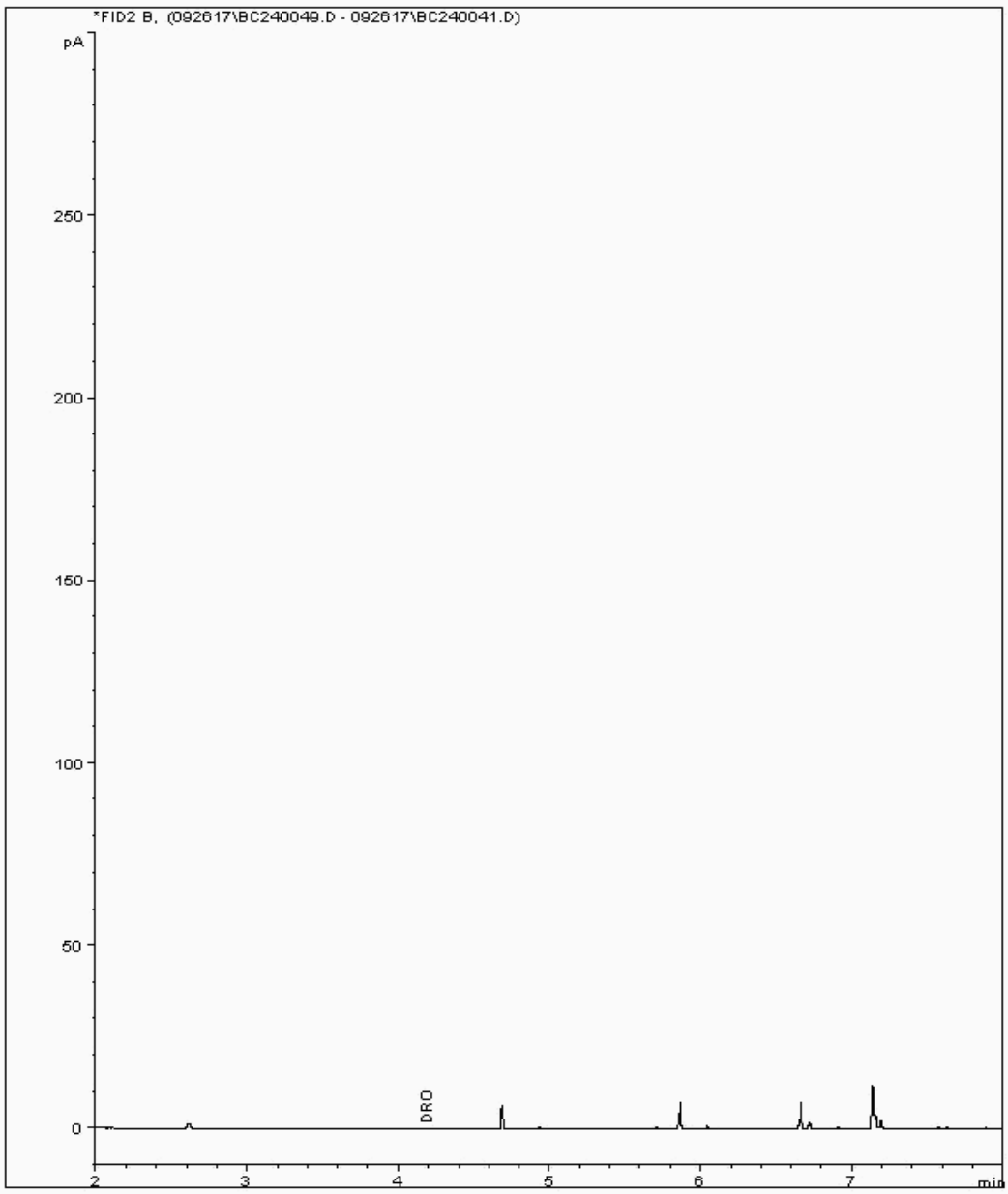
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225787 **Sample ID :** GW06_37 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194420-
Date Acquired : 27/09/2017 12:12:27 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

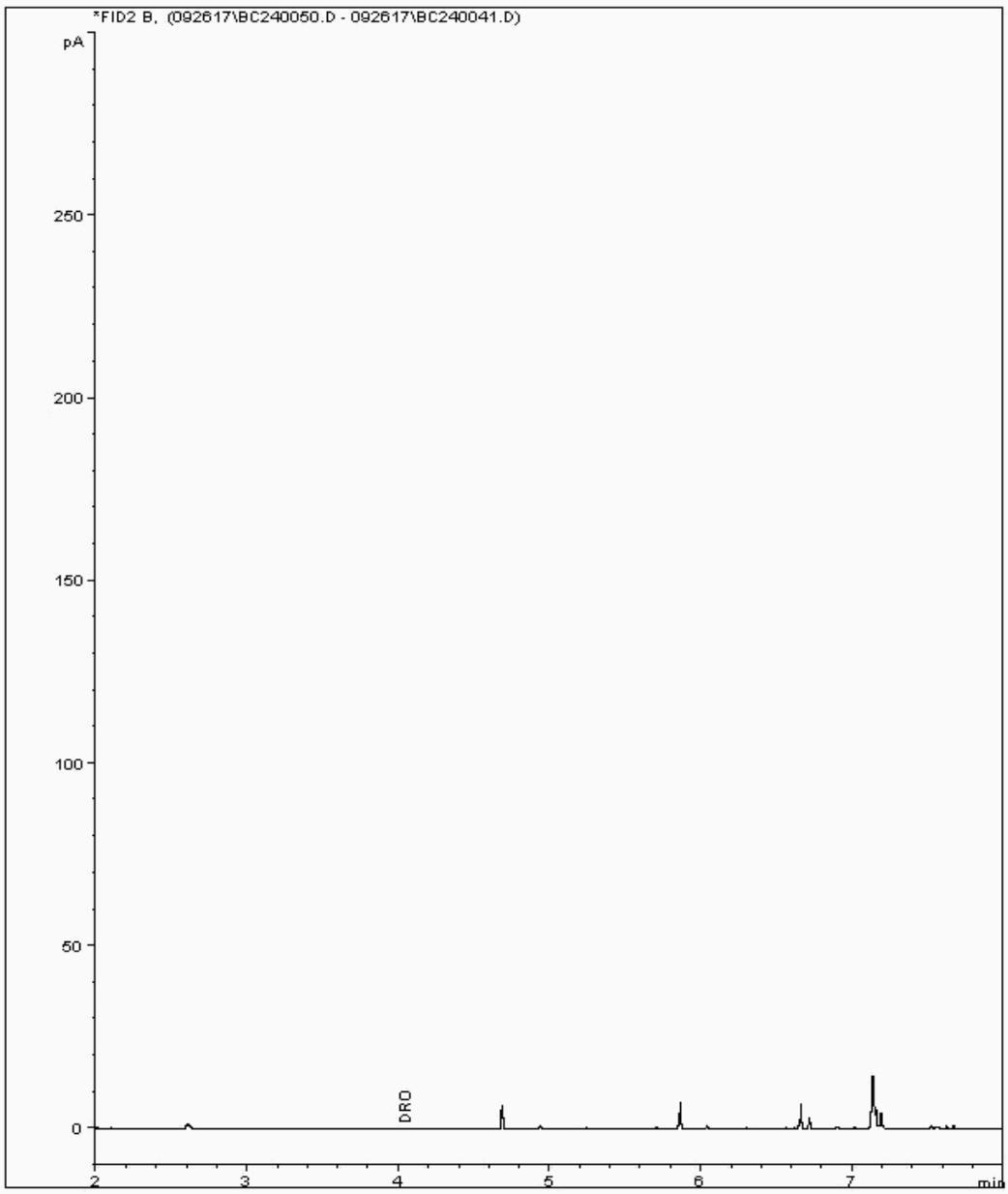
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225815 **Sample ID :** GW12_33 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194323-
Date Acquired : 27/09/2017 12:36:39 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

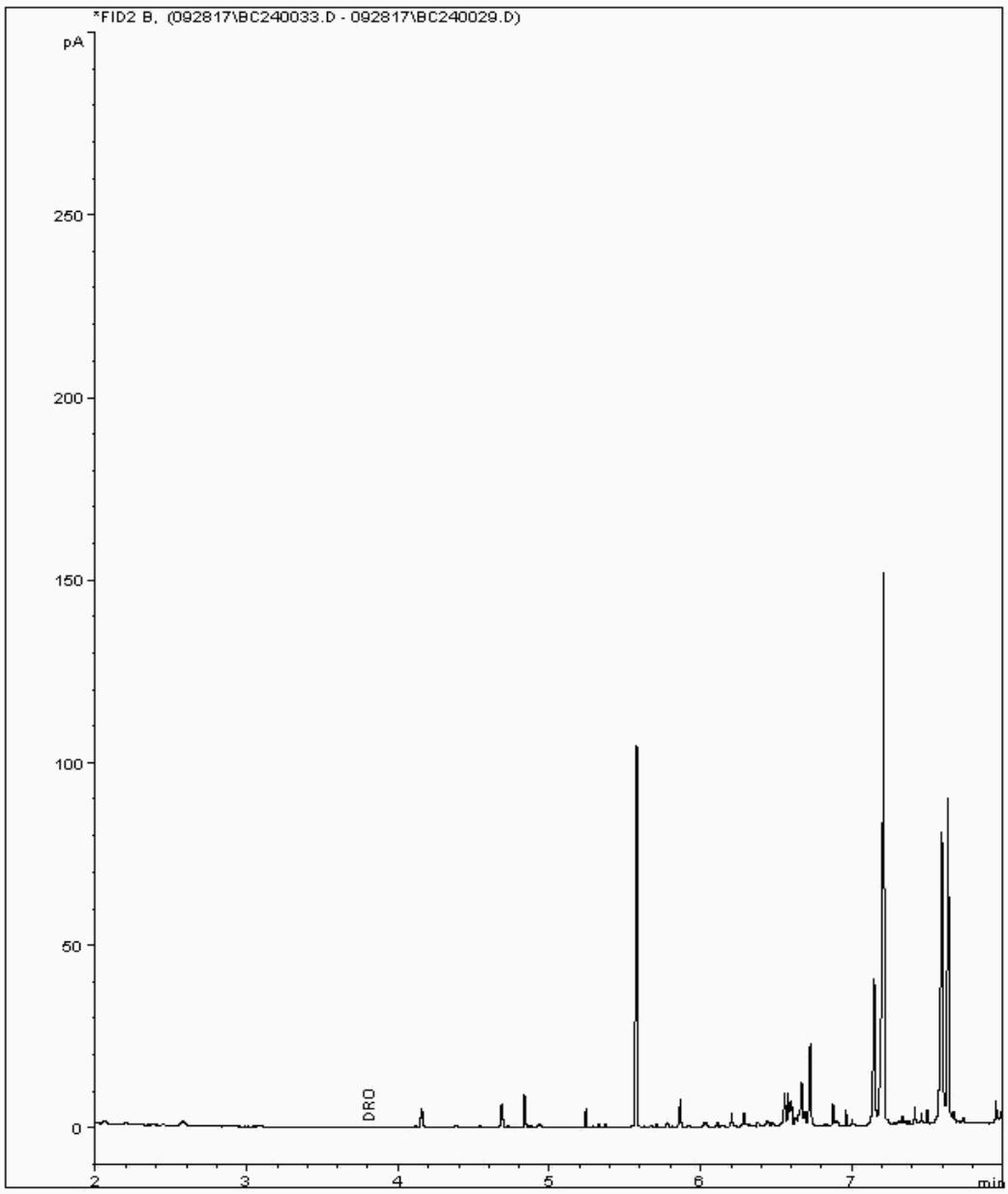
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225833 **Sample ID :** GW03_02 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194204-
Date Acquired : 29/09/2017 05:21:54 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

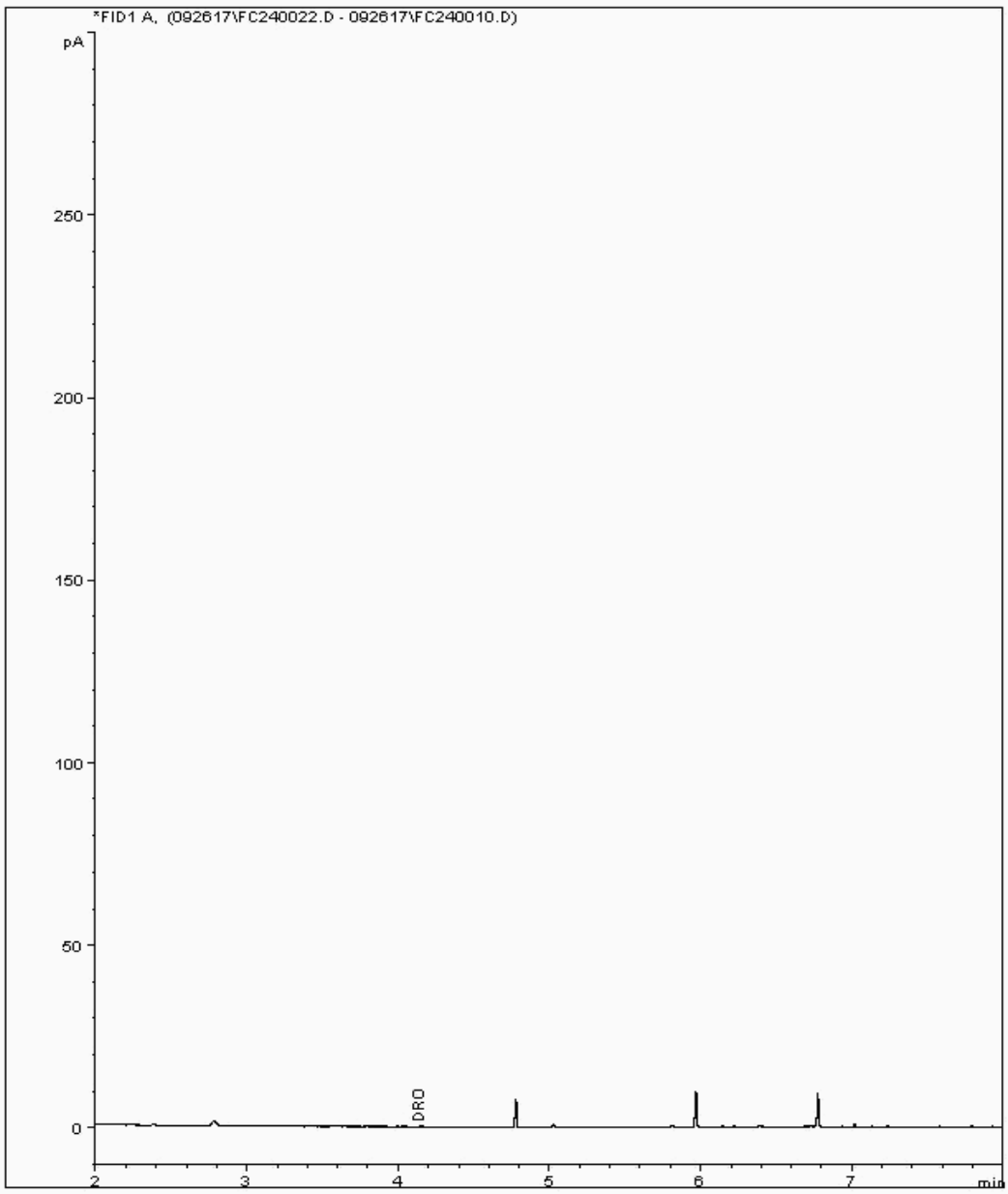
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225836 **Sample ID :** GW09_35 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194371-
Date Acquired : 27/09/2017 01:11:15 PM
Units : ppm

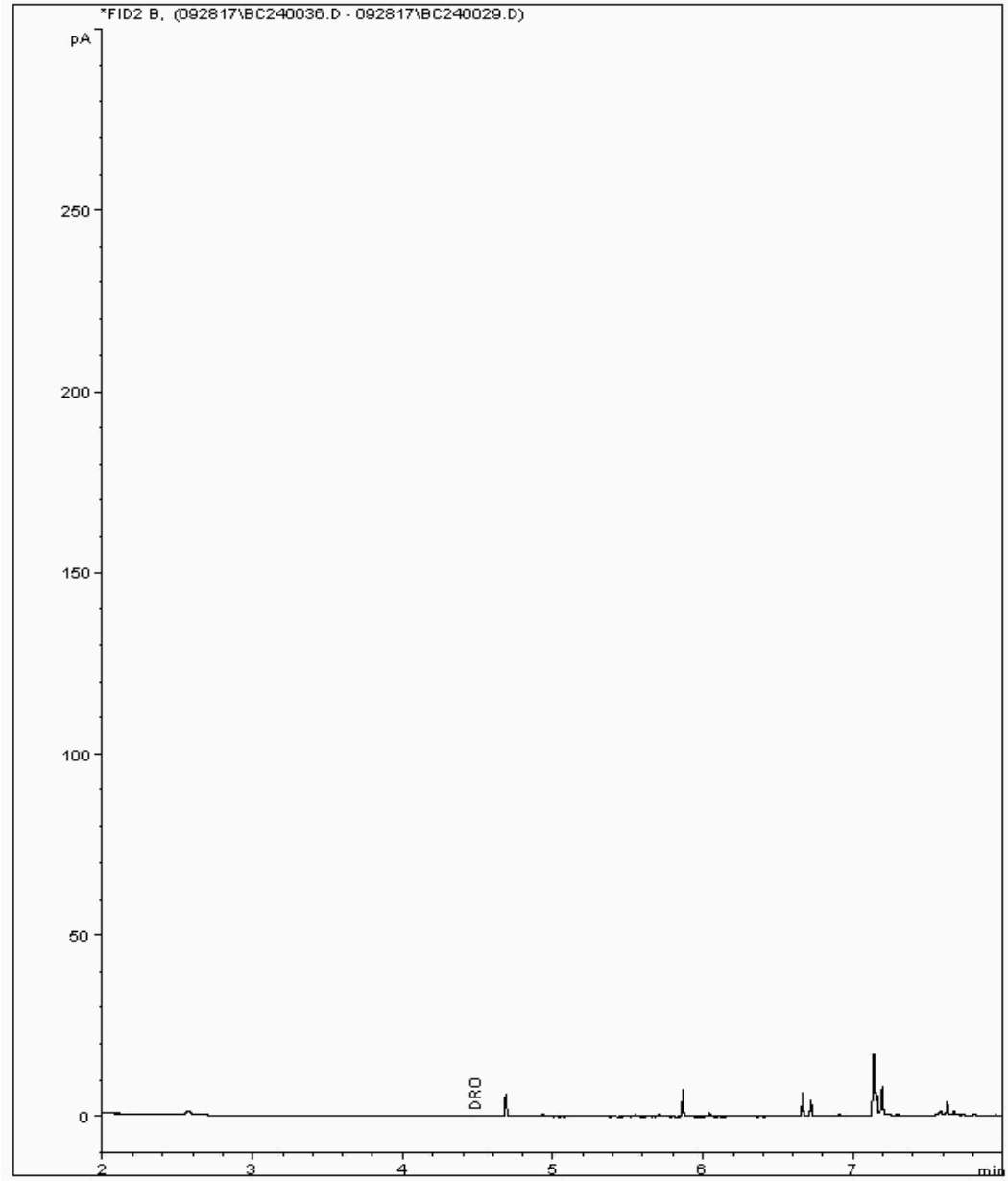


CERTIFICATE OF ANALYSIS

SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225857 **Sample ID :** GW06_34 **Depth :** 0.00 - 0.00



CERTIFICATE OF ANALYSIS

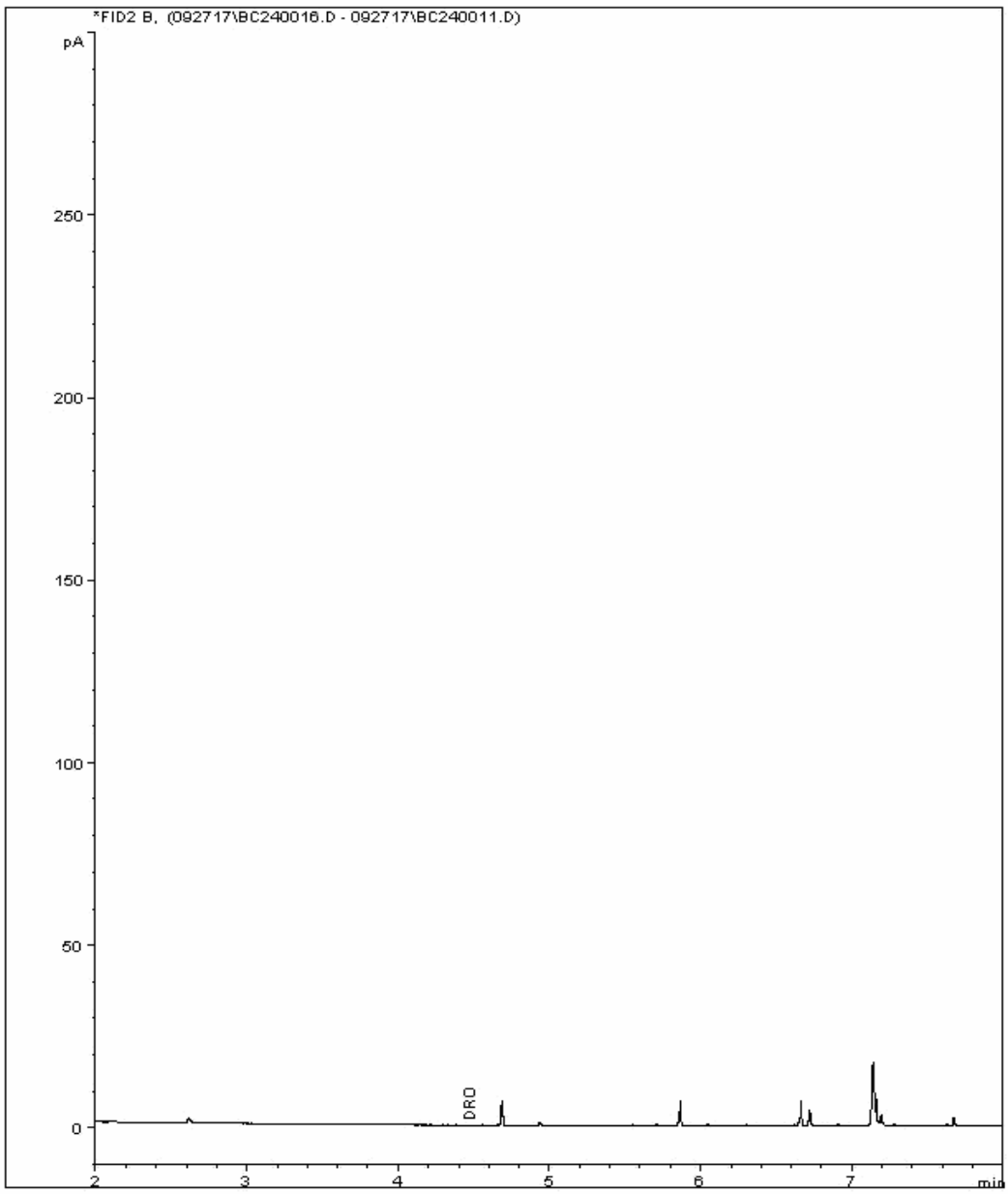
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225862 **Sample ID :** GW06_36 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194395-
Date Acquired : 27/09/2017 22:59:03 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

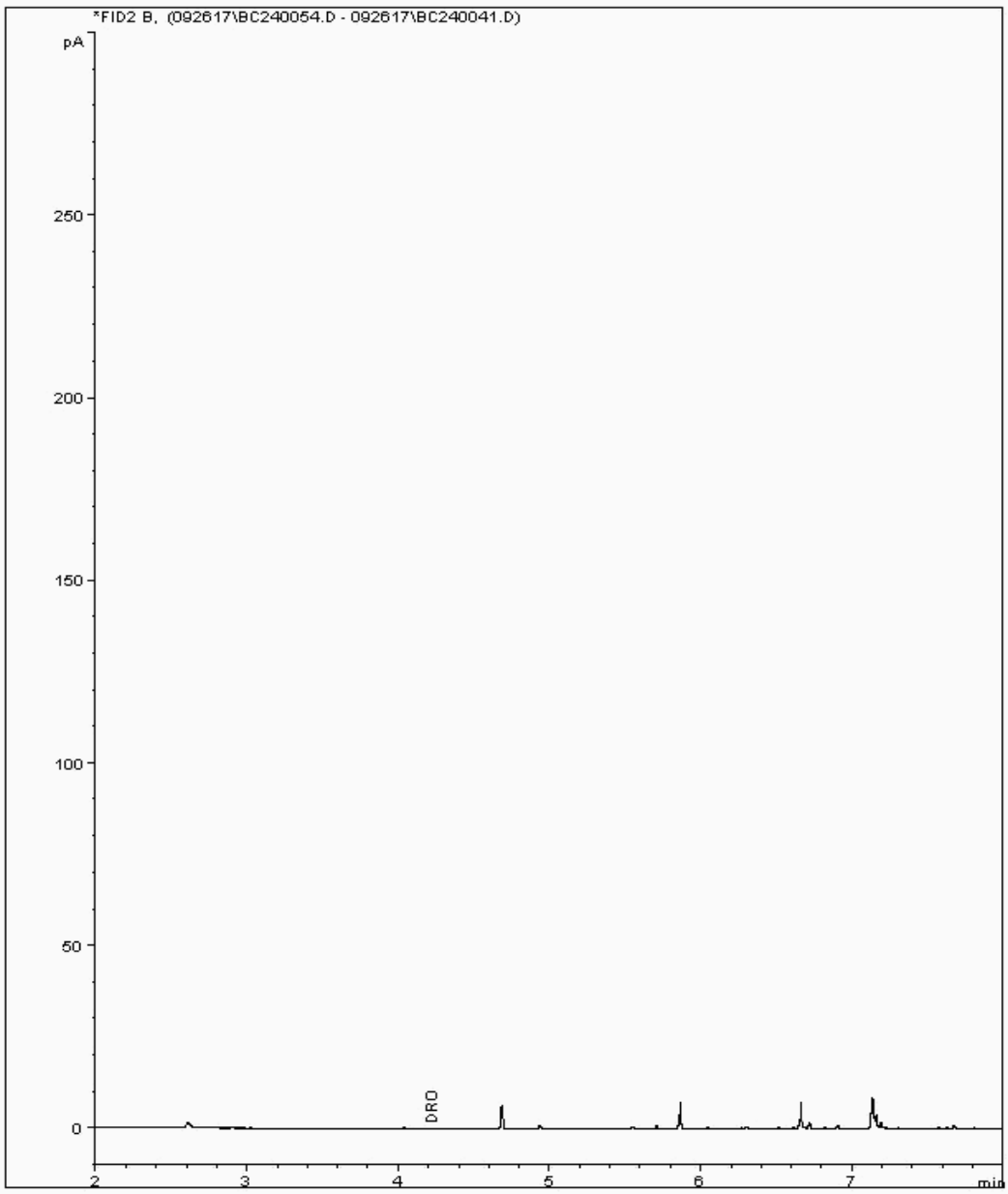
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16225875 **Sample ID :** GW12_30 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194009-
Date Acquired : 27/09/2017 14:14:09 PM
Units : mg/l



CERTIFICATE OF ANALYSIS

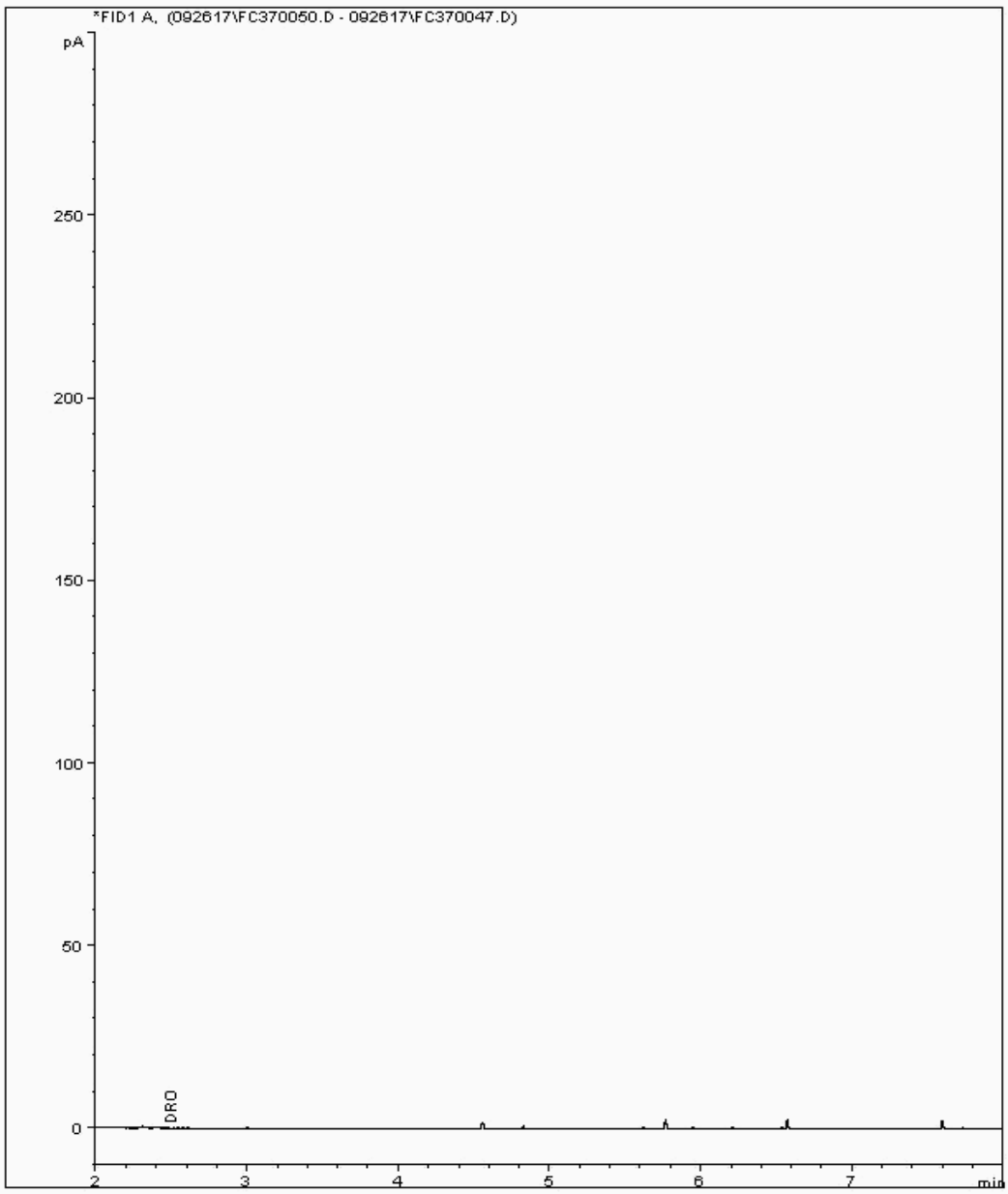
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16230618 **Sample ID :** GW06_13 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194066-
Date Acquired : 27/09/2017 11:52:54 PM
Units : ppb



CERTIFICATE OF ANALYSIS

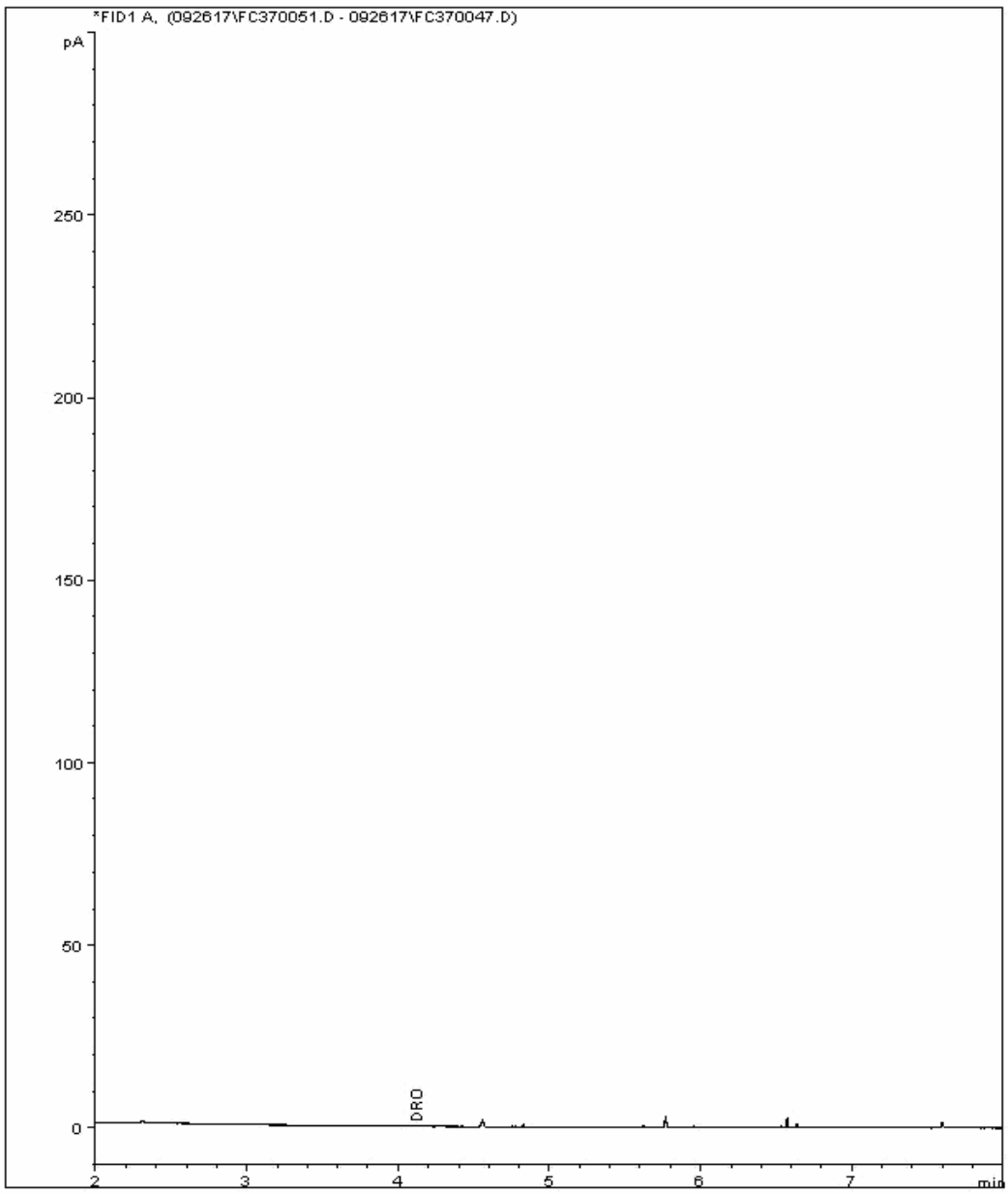
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16230729 **Sample ID :** GW12_38 **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194035-
Date Acquired : 27/09/2017 12:15:49 PM
Units : ppb



CERTIFICATE OF ANALYSIS

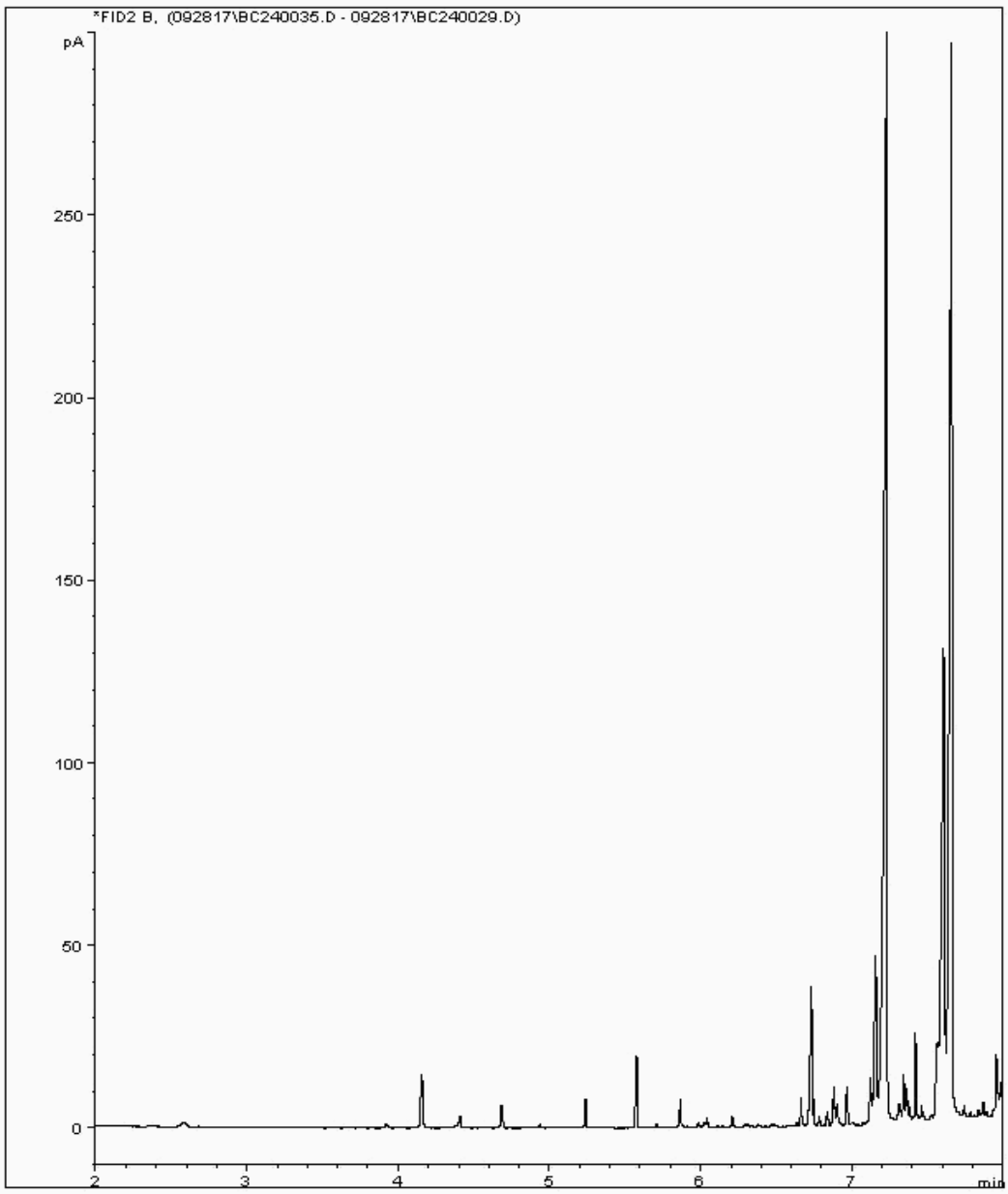
SDG:	170921-50	**Client Reference:**		**Report Number:**	426361
Location:	Docksway Landfill Site	**Order Number:**	700111791	**Superseded Report:**	

Chromatogram

Analysis: EPH (DRO) (C10-C40) Aqueous (W) **Sample No :** 16230982 **Sample ID :** GW06_14A **Depth :** 0.00 - 0.00

EPH Range Organics (C10 - C40)

Sample Identity: 15194092-
Date Acquired : 29/09/2017 06:09:40 PM
Units : mg/l



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%, they are generally wider for volatiles analysis, 50-150%. 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.