ALcontrol Laboratories

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Newport City Council
Civic Centre
Newport
NP20 4UR

Attention: Meirion Humphreys

CERTIFICATE OF ANALYSIS

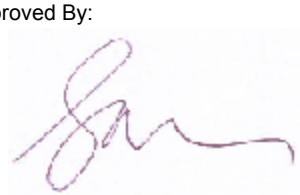
Date:	13 October 2016
Customer:	H_NCC_NPT
Sample Delivery Group (SDG):	160928-40
Your Reference:	
Location:	Docksway Landfill Site
Report No:	382050

We received 17 samples on Wednesday September 28, 2016 and 17 of these samples were scheduled for analysis which was completed on Wednesday October 12, 2016. 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 ALcontrol Laboratories Hawarden (Method codes TM) or ALcontrol Laboratories Aberdeen (Method codes S).

Approved By:



Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
14226146	GW03_02		0.00 - 0.00	27/09/2016
14226160	GW03_05		0.00 - 0.00	27/09/2016
14226208	GW03_09		0.00 - 0.00	27/09/2016
14226106	GW06_13		0.00 - 0.00	27/09/2016
14226053	GW06_34		0.00 - 0.00	27/09/2016
14226075	GW06_36		0.00 - 0.00	27/09/2016
14226085	GW06_37		0.00 - 0.00	27/09/2016
14226117	GW06_39		0.00 - 0.00	27/09/2016
14226137	GW07_07		0.00 - 0.00	27/09/2016
14226127	GW07_40		0.00 - 0.00	27/09/2016
14226183	GW09_31		0.00 - 0.00	27/09/2016
14226197	GW09_32		0.00 - 0.00	27/09/2016
14226063	GW09_35		0.00 - 0.00	27/09/2016
14226170	GW12_30		0.00 - 0.00	27/09/2016
14226039	GW12_33		0.00 - 0.00	27/09/2016
14226096	GW12_38		0.00 - 0.00	27/09/2016
14226033	SW_23		0.00 - 0.00	27/09/2016

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

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

LIQUID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			14226146							14226160							14226208							14226106								14226053								14226075		
Customer Sample Reference			GW03_02							GW03_05							GW03_09							GW06_13								GW06_34								GW06_36		
AGS Reference																																										
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		
Container			1000ml glass bottle (ALE	1lplastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)
Alkalinity as CaCO3	All	NDPs: 0 Tests: 16		X							X							X							X								X								X	
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 17				X							X								X							X								X						
Anions by Kone (w)	All	NDPs: 0 Tests: 17		X							X							X							X								X								X	
BOD True Total	All	NDPs: 0 Tests: 14																	X							X								X								X
COD Unfiltered	All	NDPs: 0 Tests: 17		X							X								X							X								X								X
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 17		X							X							X							X								X								X	
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 16						X							X							X								X								X				
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 16					X							X				X											X								X					
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 13															X							X								X								X		
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 16	X							X							X							X								X								X		
Ionic Balance	All	NDPs: 0 Tests: 13																X							X								X								X	
Mercury Dissolved	All	NDPs: 0 Tests: 16			X							X								X							X								X							
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 16					X							X				X											X								X					
Nitrite by Kone (w)	All	NDPs: 0 Tests: 13																				X								X								X				
Organochlorine Pesticides (Aq)	All	NDPs: 0 Tests: 16	X							X							X							X								X								X		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

LIQUID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	14226146	14226160	14226208	14226106	14226053	14226075
Customer Sample Reference	GW03_02	GW03_05	GW03_09	GW06_13	GW06_34	GW06_36
AGS Reference						
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

Analysis	Container		1000ml glass bottle (ALE	1plastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)
Organophosphorus Pesticides (Aq)	All	NDPs: 0 Tests: 16	X							X							X							X							X		
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 16	X							X							X							X							X		
pH Value	All	NDPs: 0 Tests: 17		X							X							X							X								X
Phenols by HPLC (W)	All	NDPs: 0 Tests: 16				X							X							X							X						
Sulphide	All	NDPs: 0 Tests: 13																X							X								X
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 16	X							X							X							X							X		
Total Organic and Inorganic Carbon	All	NDPs: 0 Tests: 3	X							X																							
VOC MS (W)	All	NDPs: 0 Tests: 16							X							X							X							X			

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

LIQUID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			14226075					14226085								14226117								14226137							14226127								14226183			
Customer Sample Reference			GW06_36					GW06_37								GW06_39								GW07_07							GW07_40								GW09_31			
AGS Reference																																										
Depth (m)			0.00 - 0.00					0.00 - 0.00								0.00 - 0.00								0.00 - 0.00							0.00 - 0.00								0.00 - 0.00			
Container			Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser
Alkalinity as CaCO3	All	NDPs: 0 Tests: 16							X								X								X							X								X		
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 17		X								X								X							X								X							
Anions by Kone (w)	All	NDPs: 0 Tests: 17							X								X								X							X								X		
BOD True Total	All	NDPs: 0 Tests: 14								X								X															X								X	
COD Unfiltered	All	NDPs: 0 Tests: 17								X								X							X								X								X	
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 17							X								X								X							X								X		
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 16				X								X								X							X								X					
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 16			X								X								X							X								X						
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 13						X								X															X								X			
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 16						X								X								X							X								X			
Ionic Balance	All	NDPs: 0 Tests: 13							X								X															X								X		
Mercury Dissolved	All	NDPs: 0 Tests: 16	X								X								X							X								X								X
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 16			X								X								X							X								X						
Nitrite by Kone (w)	All	NDPs: 0 Tests: 13				X								X								X															X					
Organochlorine Pesticides (Aq)	All	NDPs: 0 Tests: 16						X								X								X							X								X			

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

LIQUID

Results Legend

- **X** Test
- **N** No Determination Possible

Lab Sample No(s)							14226075								14226085								14226117							14226137								14226127				14226183
Customer Sample Reference							GW06_36								GW06_37								GW06_39							GW07_07								GW07_40				GW09_31
AGS Reference																																										
Depth (m)							0.00 - 0.00								0.00 - 0.00								0.00 - 0.00							0.00 - 0.00								0.00 - 0.00				0.00 - 0.00
Container			Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser
Organophosphorus Pesticides (Aq)	All	NDPs: 0 Tests: 16						X								X								X							X								X			
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 16						X								X								X							X								X			
pH Value	All	NDPs: 0 Tests: 17							X								X								X							X								X		
Phenols by HPLC (W)	All	NDPs: 0 Tests: 16		X								X								X							X								X							
Sulphide	All	NDPs: 0 Tests: 13							X								X															X								X		
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 16						X								X								X							X								X			
Total Organic and Inorganic Carbon	All	NDPs: 0 Tests: 3																						X																		
VOC MS (W)	All	NDPs: 0 Tests: 16					X								X								X							X								X				

CERTIFICATE OF ANALYSIS

SDG: 160928-40
Job: H_NCC_NPT-3
Client Reference:
Location: Docksway Landfill Site
Customer: Newport City Council
Attention: Meirion Humphreys
Order Number: 700095479
Report Number: 382050
Superseded Report:

LIQUID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)			14226183				14226197								14226063								14226170								14226039								14226096			
Customer Sample Reference			GW09_31				GW09_32								GW09_35								GW12_30								GW12_33								GW12_38			
AGS Reference																																										
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			
Container			H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser
Alkalinity as CaCO3	All	NDPs: 0 Tests: 16						X								X								X								X								X		
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 17	X								X								X								X								X							
Anions by Kone (w)	All	NDPs: 0 Tests: 17						X								X								X								X								X		
BOD True Total	All	NDPs: 0 Tests: 14							X								X								X								X								X	
COD Unfiltered	All	NDPs: 0 Tests: 17							X								X								X								X								X	
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 17						X								X								X								X								X		
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 16			X								X								X								X								X					
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 16		X								X								X								X								X						
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 13					X								X								X								X								X			
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 16					X								X								X								X								X			
Ionic Balance	All	NDPs: 0 Tests: 13						X								X								X								X								X		
Mercury Dissolved	All	NDPs: 0 Tests: 16								X								X								X								X								X
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 16		X								X								X								X								X						
Nitrite by Kone (w)	All	NDPs: 0 Tests: 13			X								X								X								X								X					
Organochlorine Pesticides (Aq)	All	NDPs: 0 Tests: 16					X								X								X								X								X			

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

LIQUID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			14226183	GW09_31		0.00 - 0.00	H2SO4 (ALE244)
							HNO3 Filtered (ALE204)
							NaOH (ALE245)
							Vial (ALE297)
							1000ml glass bottle (ALE
							1lplastic (ALE221)
							250ml BOD (ALE212)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							HNO3 Filtered (ALE204)
							NaOH (ALE245)
							Vial (ALE297)
			14226197	GW09_32		0.00 - 0.00	1000ml glass bottle (ALE
							1lplastic (ALE221)
							250ml BOD (ALE212)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							HNO3 Filtered (ALE204)
							NaOH (ALE245)
							Vial (ALE297)
			14226063	GW09_35		0.00 - 0.00	1000ml glass bottle (ALE
							1lplastic (ALE221)
							250ml BOD (ALE212)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							HNO3 Filtered (ALE204)
							NaOH (ALE245)
							Vial (ALE297)
			14226170	GW12_30		0.00 - 0.00	1000ml glass bottle (ALE
							1lplastic (ALE221)
							250ml BOD (ALE212)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							HNO3 Filtered (ALE204)
							NaOH (ALE245)
							Vial (ALE297)
			14226039	GW12_33		0.00 - 0.00	1000ml glass bottle (ALE
							1lplastic (ALE221)
							250ml BOD (ALE212)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							HNO3 Filtered (ALE204)
							NaOH (ALE245)
							Vial (ALE297)
			14226096	GW12_38		0.00 - 0.00	1000ml glass bottle (ALE
							1lplastic (ALE221)
							250ml BOD (ALE212)
							Dissolved Metals Preser
Organophosphorus Pesticides (Aq)	All	NDPs: 0 Tests: 16					
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 16					
pH Value	All	NDPs: 0 Tests: 17					
Phenols by HPLC (W)	All	NDPs: 0 Tests: 16					
Sulphide	All	NDPs: 0 Tests: 13					
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 16					
VOC MS (W)	All	NDPs: 0 Tests: 16					

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

LIQUID

Results Legend

X **Test**

N **No Determination Possible**

			Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container
			14226096	GW12_38		0.00 - 0.00	H2SO4 (ALE244) / HNO3 Filtered (ALE204) / NaOH (ALE245) / Vial (ALE297) / 1lplastic (ALE221) / 250ml BOD (ALE212) / H2SO4 (ALE244)
			14226033	SW_23		0.00 - 0.00	
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 17	X				X
Anions by Kone (w)	All	NDPs: 0 Tests: 17				X	
BOD True Total	All	NDPs: 0 Tests: 14					X
COD Unfiltered	All	NDPs: 0 Tests: 17					X
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 17				X	
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 16			X		
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 16		X			
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 16		X			
Nitrite by Kone (w)	All	NDPs: 0 Tests: 13			X		
pH Value	All	NDPs: 0 Tests: 17				X	
Phenols by HPLC (W)	All	NDPs: 0 Tests: 16	X				
VOC MS (W)	All	NDPs: 0 Tests: 16			X		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			GW03_02	0.00 - 0.00	Water(GW/SW)	27/09/2016	-	28/09/2016	160928-40	14226146	
			GW03_05	0.00 - 0.00	Water(GW/SW)	27/09/2016	-	28/09/2016	160928-40	14226160	
			GW03_09	0.00 - 0.00	Water(GW/SW)	27/09/2016	-	28/09/2016	160928-40	14226208	
			GW06_13	0.00 - 0.00	Water(GW/SW)	27/09/2016	-	28/09/2016	160928-40	14226106	
			GW06_34	0.00 - 0.00	Water(GW/SW)	27/09/2016	-	28/09/2016	160928-40	14226053	
			GW06_36	0.00 - 0.00	Water(GW/SW)	27/09/2016	-	28/09/2016	160928-40	14226075	
Ionic balance	% Diff	Calulation								-0.252	-12.8	16.2	-4.45
Alkalinity, Total as CaCO3	<2 mg/l	TM043	895 #	1080 #	1200 #	1070 #	595 #	915 #
BOD, unfiltered	<1 mg/l	TM045			3.49 #	<1 #	10.1 #	<1 #
Carbon, Organic (diss.filt)	<3 mg/l	TM090			14.6	17.9	13	12.4
Organic Carbon, Total	<3 mg/l	TM090	14.5 #	16.4 #				
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099	30.6 #	40.7 #	9.5 #	11.9 #	8.47 #	9.93 #
Sulphide	<0.01 mg/l	TM101			<0.01 #	<0.01 #	0.0472 #	<0.01 #
COD, unfiltered	<7 mg/l	TM107	45.8 #	41.6 #	86.9 #	89.8 #	84 #	123 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120	2.18 #	2.07 #	7.34 #	8.27 #	1.48 #	9.85 #
Arsenic (diss.filt)	<0.51 µg/l	TM152	31 #	8.09 #	2.41 #	5.04 #	13.9 #	3.43 #
Boron (diss.filt)	<5 µg/l	TM152			1370 #	1280 #	891 #	1180 #
Cadmium (diss.filt)	<0.08 µg/l	TM152	0.118 #	<0.08 #	<0.08 #	<0.08 #	<0.08 #	<0.08 #
Chromium (diss.filt)	<1.2 µg/l	TM152	<1.2 #	<1.2 #	<1.2 #	<1.2 #	<1.2 #	<1.2 #
Copper (diss.filt)	<0.85 µg/l	TM152	4.08 #	1.34 #	<0.85 #	<0.85 #	<0.85 #	<0.85 #
Lead (diss.filt)	<0.1 µg/l	TM152	29.8 #	1.48 #	<0.1 #	2.77 #	1.49 #	1.42 #
Manganese (diss.filt)	<0.76 µg/l	TM152	1490 #	587 #	275 #	419 #	1960 #	300 #
Nickel (diss.filt)	<0.44 µg/l	TM152	5.19 #	4.95 #	0.565 #	1.31 #	2.21 #	1.31 #
Selenium (diss.filt)	<0.81 µg/l	TM152			0.876 #	<0.81 #	<0.81 #	<0.81 #
Zinc (diss.filt)	<1.3 µg/l	TM152	53.5 #	9.22 #	2.75 #	36 #	25.4 #	15.4 #
EPH Range >C10 - C40 (aq)	<46 µg/l	TM172	105 #	<46 #	<46 #	<46 #	<46 #	<46 #
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	52.1 #	3.6 #	117 #	56.9 #	81 #	90.3 #
Chloride	<2 mg/l	TM184	297 #	182 #	2310 #	2950 #	183 #	3580 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184			11.9 #	8.65 #	1.76 #	8.46 #
Nitrate as NO3	<0.3 mg/l	TM184			<0.3 #	<0.3 #	<0.3 #	<0.3 #
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184	<0.1 #	0.143 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #
Cyanide, Total	<0.05 mg/l	TM227	<0.05 #	<0.05 #	<0.05 #	<0.05 #	<0.05 #	<0.05 #
Cyanide, Free	<0.05 mg/l	TM227	<0.05 #	<0.05 #				
Calcium (diss.filt)	<0.012 mg/l	TM228	166 #	205 #	145 #	118 #	132 #	192 #
Sodium (diss.filt)	<0.076 mg/l	TM228	322 #	140 #	1560 #	1370 #	294 #	1880 #
Magnesium (diss.filt)	<0.036 mg/l	TM228	84.7 #	58.2 #	169 #	177 #	67.8 #	210 #

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226146	14226160	14226208	14226106	14226053	14226075
			AGS Reference						
Potassium (diss.filt)	<1 mg/l	TM228		36.4 #	34.1 #	52.5 #	54.3 #	28 #	63.7 #
Iron (diss.filt)	<0.019 mg/l	TM228				<0.19 #	1.85 #	10.1 #	2.92 #
Hardness, Total as CaCO3	<1 mg/l	TM228				1060 #	1020 #	609 #	1350 #
pH	<1 pH Units	TM256		7.79 #	7.14 #	7.83 #	7.92 #	8.2 #	7.71 #
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		0.057	<0.01	0.014	<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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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.
**	% 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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226146	14226160	14226208	14226106	14226053	14226075
			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	<0.05	<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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
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aq	Aqueous / settled sample.
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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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226146	14226160	14226208	14226106	14226053	14226075
			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	0.029	<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		85.4	82.4	100	95	101	110

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Results Legend

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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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	-	-	-	-	-	-
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226085	14226117	14226137	14226127	14226183	14226197
			AGS Reference						
Ionic balance	% Diff	Calulation		7.19	-17.9		13.5	-4.81	8.59
Alkalinity, Total as CaCO3	<2 mg/l	TM043		1010 #	1040 #	900 #	660 #	1230 #	735 #
BOD, unfiltered	<1 mg/l	TM045		16.1 #	<1 #		2.89 #	<1 #	3 #
Carbon, Organic (diss.filt)	<3 mg/l	TM090		29.9	14.3		17.8	21.2	11
Organic Carbon, Total	<3 mg/l	TM090				18.6 #			
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099		37.2 #	7.69 #	8.89 #	10.8 #	10.3 #	3.32 #
Sulphide	<0.01 mg/l	TM101		<0.01 #	<0.01 #		<0.01 #	0.196 #	<0.01 #
COD, unfiltered	<7 mg/l	TM107		167 #	74.5 #	71.1 #	56.4 #	72.5 #	53.3 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		10.8 #	7 #	3.26 #	2.02 #	4.67 #	2.18 #
Arsenic (diss.filt)	<0.51 µg/l	TM152		38.6 #	11.8 #	6.12 #	13.6 #	24.2 #	4.78 #
Boron (diss.filt)	<5 µg/l	TM152		2450 #	1290 #		1450 #	1420 #	821 #
Cadmium (diss.filt)	<0.08 µg/l	TM152		<0.08 #	<0.08 #	<0.08 #	<0.08 #	<0.08 #	<0.08 #
Chromium (diss.filt)	<1.2 µg/l	TM152		<1.2 #	<1.2 #	<1.2 #	17.4 #	<1.2 #	<1.2 #
Copper (diss.filt)	<0.85 µg/l	TM152		<0.85 #	<0.85 #	2.49 #	1.13 #	<0.85 #	<0.85 #
Lead (diss.filt)	<0.1 µg/l	TM152		1.41 #	0.424 #	5.02 #	1.08 #	0.877 #	1.97 #
Manganese (diss.filt)	<0.76 µg/l	TM152		518 #	3600 #	934 #	501 #	1280 #	2090 #
Nickel (diss.filt)	<0.44 µg/l	TM152		1.19 #	6.87 #	8.49 #	15.1 #	1.41 #	1.72 #
Selenium (diss.filt)	<0.81 µg/l	TM152		1.09 #	<0.81 #		<0.81 #	<0.81 #	<0.81 #
Zinc (diss.filt)	<1.3 µg/l	TM152		28.3 #	6.84 #	18.2 #	57.2 #	6.55 #	21.3 #
EPH Range >C10 - C40 (aq)	<46 µg/l	TM172		<46 #	<46 #	<46 #	<46 #	<46 #	<46 #
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		<2 #	77.7 #	<2 #	32.3 #	<2 #	159 #
Chloride	<2 mg/l	TM184		3930 #	2290 #	766 #	344 #	1200 #	325 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		6.96 #	0.381 #		9.16 #	9.47 #	1.08 #
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 #	<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 #			
Calcium (diss.filt)	<0.012 mg/l	TM228		84.1 #	190 #	158 #	59.5 #	182 #	107 #
Sodium (diss.filt)	<0.076 mg/l	TM228		2720 #	873 #	463 #	489 #	754 #	441 #
Magnesium (diss.filt)	<0.036 mg/l	TM228		304 #	133 #	68.3 #	63.3 #	113 #	73.6 #

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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.	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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226085	14226117	14226137	14226127	14226183	14226197
			AGS Reference						
Potassium (diss.filt)	<1 mg/l	TM228		80.9 #	59.8 #	24.7 #	36.7 #	33 #	25.7 #
Iron (diss.filt)	<0.019 mg/l	TM228		13 #	5.73 #		1.43 #	5.08 #	1.53 #
Hardness, Total as CaCO3	<1 mg/l	TM228		1460 #	1020 #		410 #	921 #	571 #
pH	<1 pH Units	TM256		8.3 #	7.94 #	7.46 #	8.27 #	7.83 #	7.3 #
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	<0.01	0.046	<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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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.	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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226085	14226117	14226137	14226127	14226183	14226197
			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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Results Legend

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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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226085	14226117	14226137	14226127	14226183	14226197
			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		23.3	101	102	90.7	132	73.6

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

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Component	LOD/Units	Method	Customer Sample Ref.	GW09_35	GW12_30	GW12_33	GW12_38	SW_23
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	-	-	-	-	-
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226063	14226170	14226039	14226096	14226033
			AGS Reference					
Ionic balance	% Diff	Calulation		-12.7	2.86	-9.98	-27.4	
Alkalinity, Total as CaCO3	<2 mg/l	TM043		905 #	830 #	1010 #	530 #	
BOD, unfiltered	<1 mg/l	TM045		2.83 #	2.27 #	8.69 #	3.81 #	5.82 #
Carbon, Organic (diss.filt)	<3 mg/l	TM090		11.6	25	24	16.6	
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099		10.3 #	1.1 #	13.4 #	6.73 #	21.6 #
Sulphide	<0.01 mg/l	TM101		<0.01 #	0.0455 #	<0.01 #	<0.01 #	
COD, unfiltered	<7 mg/l	TM107		130 #	115 #	72.2 #	85.7 #	49.6 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		10.9 #	2.25 #	4.06 #	6.64 #	1.63 #
Arsenic (diss.filt)	<0.51 µg/l	TM152		3.99 #	113 #	205 #	80.3 #	
Boron (diss.filt)	<5 µg/l	TM152		1130 #	625 #	1250 #	1120 #	
Cadmium (diss.filt)	<0.08 µg/l	TM152		<0.08 #	<0.08 #	<0.08 #	0.243 #	
Chromium (diss.filt)	<1.2 µg/l	TM152		<1.2 #	2.83 #	<1.2 #	<1.2 #	
Copper (diss.filt)	<0.85 µg/l	TM152		1.05 #	2.57 #	<0.85 #	13.6 #	
Lead (diss.filt)	<0.1 µg/l	TM152		1.85 #	6.43 #	0.605 #	12 #	
Manganese (diss.filt)	<0.76 µg/l	TM152		1190 #	2970 #	1520 #	1910 #	
Nickel (diss.filt)	<0.44 µg/l	TM152		2.34 #	10.9 #	0.994 #	4.62 #	
Selenium (diss.filt)	<0.81 µg/l	TM152		<0.81 #	1.5 #	<0.81 #	<0.81 #	
Zinc (diss.filt)	<1.3 µg/l	TM152		22.8 #	10.6 #	8.7 #	17.4 #	
EPH Range >C10 - C40 (aq)	<46 µg/l	TM172		<46 #	<46 #	<46 #	62.5 #	
Mercury (diss.filt)	<0.01 µg/l	TM183		<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		139 #	76.9 #	<2 #	549 #	
Chloride	<2 mg/l	TM184		4050 #	357 #	982 #	2290 #	259 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		11.5 #	<0.05 #	<0.05 #	0.109 #	
Nitrate as NO3	<0.3 mg/l	TM184		<0.3 #	<0.3 #	<0.3 #	1.01 #	
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184		<0.1 #	<0.1 #	<0.1 #	0.232 #	
Cyanide, Total	<0.05 mg/l	TM227		<0.05 #	<0.05 #	<0.05 #	<0.05 #	
Calcium (diss.filt)	<0.012 mg/l	TM228		218 #	123 #	114 #	245 #	
Sodium (diss.filt)	<0.076 mg/l	TM228		1660 #	400 #	537 #	634 #	
Magnesium (diss.filt)	<0.036 mg/l	TM228		236 #	57.9 #	99.6 #	95.8 #	
Potassium (diss.filt)	<1 mg/l	TM228		57.4 #	12.7 #	38.3 #	43.3 #	
Iron (diss.filt)	<0.019 mg/l	TM228		4.73 #	0.466 #	10.9 #	35.7 #	

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	SW_23	
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	
			Sample Time	.	.	.	.	.	
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	
			Lab Sample No.(s)	14226063	14226170	14226039	14226096	14226033	
			AGS Reference						
Hardness, Total as CaCO3	<1 mg/l	TM228		1520 #	546 #	695 #	1010 #		
pH	<1 pH Units	TM256		7.63 #	7.34 #	7.6 #	7.73 #	7.74 #	
Phenols, Total Detected monohydric	<0.016 mg/l	TM259		<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		
1,2,4-Trichlorobenzene	<0.02 µg/l	TM314		<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		
Hexachlorobutadiene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Dichlobenil	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Etridiazole	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Chloroneb	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Tecnazene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Propachlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Trifluralin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
alpha-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Hexachlorobenzene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
beta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
gamma-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
delta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Triallate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Chlorothalonil	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Heptachlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Aldrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Isodrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Dacthal	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Heptachlor-exo-epoxide	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
alpha-Chlordane	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
2,4-DDE	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
alpha-Endosulphan	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
gamma-Chlordane	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
4,4-DDE	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Dieldrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
2,4-DDD	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	SW_23	
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	
			Sample Time	.	.	.	.	.	
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	
			Lab Sample No.(s)	14226063	14226170	14226039	14226096	14226033	
			AGS Reference						
Endrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Chlorobenzilate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
beta-Endosulfan	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
4,4-DDD	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
2,4-DDT	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Endrin-Aldehyde	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
4,4-DDT	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Endosulfan-sulfate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Methoxychlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
cis-Permethrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
trans-Permethrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01		
Cypermethrin	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02		
Drins	<0.04 µg/l	TM314		<0.04	<0.04	<0.04	<0.04		
DDT	<0.02 µg/l	TM314		<0.02	<0.02	<0.02	<0.02		
Dichlorvos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Mevinphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Omethoate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Demeton-s-methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Disulfoton	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Phorate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Dimethoate	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Dioxation	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Propetamphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Simazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Trietazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Atrazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	0.01		
Diazinon	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Propazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Terbufos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Cypromazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Chlorpyriphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Parathion-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	SW_23	
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	
			Sample Time	.	.	.	.	.	
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	
			Lab Sample No.(s)	14226063	14226170	14226039	14226096	14226033	
			AGS Reference						
Alachlor	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Pirimiphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Fenitrothion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Malathion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Fenthion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Chlorpyriphos-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Terbutryn	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Parathion-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Triadimefon	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Chlorfenvinphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Bromophos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Prometryn	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Ethion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Triazophos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Carbophenothion	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
EPN	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Phosalone	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Azinphos-Ethyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Amitraz	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Azinphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Coumaphos	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01		
Dibutyl tin	<5 ng/l	TM328		<5	<5	<5	<5		
Tributyl tin	<1 ng/l	TM328		<1	<1	<1	<1		
Tetrabutyl tin	<2 ng/l	TM328		<2	<2	<2	<2		
Triphenyl tin	<1 ng/l	TM328		<1	<1	<1	<1		
Surrogate	%	TM328		100	75.6	88	68.6		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	-	-	-	-	-	-
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226146	14226160	14226208	14226106	14226053	14226075
			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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226146	14226160	14226208	14226106	14226053	14226075
			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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	-	-	-	-	-	-
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226085	14226117	14226137	14226127	14226183	14226197
			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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226085	14226117	14226137	14226127	14226183	14226197
			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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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		
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016		
			Sample Time	-	-	-	-		
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016		
			SDG Ref	160928-40	160928-40	160928-40	160928-40		
			Lab Sample No.(s)	14226063	14226170	14226039	14226096		
			AGS Reference						
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1	<1		
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2-Chlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
2-Nitrophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
3-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<1		
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
4-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
4-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1		
Azobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Acenaphthylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Acenaphthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2 #	<2 #	<2 #	<2 #		
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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		
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016		
			Sample Time	.	.	.	.		
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016		
			SDG Ref	160928-40	160928-40	160928-40	160928-40		
			Lab Sample No.(s)	14226063	14226170	14226039	14226096		
			AGS Reference						
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Carbazole (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Chrysene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Dibenzofuran (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Diethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5 #	<5 #	<5 #	<5 #		
Fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Fluorene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1		
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1		
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Hexachloroethane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Nitrobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Naphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Isophorone (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1	<1		
Phenanthrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		
Pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	-	-	-	-	-	-
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226146	14226160	14226208	14226106	14226053	14226075
			AGS Reference						
Dibromofluoromethane**	%	TM208		104	115	108	104	106	102
Toluene-d8**	%	TM208		88.4	88.5	88.8	88.5	89.5	88.4
4-Bromofluorobenzene**	%	TM208		88.4	89.1	89.2	87.7	89.7	91.2
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		1.03 #	<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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226146	14226160	14226208	14226106	14226053	14226075
			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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226146	14226160	14226208	14226106	14226053	14226075
			AGS Reference						
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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	-	-	-	-	-	-
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226085	14226117	14226137	14226127	14226183	14226197
			AGS Reference						
Dibromofluoromethane**	%	TM208		104	109	105	101	107	107
Toluene-d8**	%	TM208		89.6	89.8	89.6	89.1	88.8	87.6
4-Bromofluorobenzene**	%	TM208		87.5	90.7	88.9	89.5	89.9	89.3
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 #	1.16 #	1.12 #
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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226085	14226117	14226137	14226127	14226183	14226197
			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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016	27/09/2016
			Sample Time	.	.	.	.	.	.
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016	28/09/2016
			SDG Ref	160928-40	160928-40	160928-40	160928-40	160928-40	160928-40
			Lab Sample No.(s)	14226085	14226117	14226137	14226127	14226183	14226197
			AGS Reference						
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:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**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		
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016		
			Sample Time	-	-	-	-		
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016		
			SDG Ref	160928-40	160928-40	160928-40	160928-40		
			Lab Sample No.(s)	14226063	14226170	14226039	14226096		
			AGS Reference						
Dibromofluoromethane**	%	TM208		100	108	107	103		
Toluene-d8**	%	TM208		88.5	88.9	89.3	89.5		
4-Bromofluorobenzene**	%	TM208		89	87.9	91.5	89.9		
Dichlorodifluoromethane	<1 µg/l	TM208		<1	<1	<1	<1		
Chloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Vinyl chloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Bromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Chloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Trichlorofluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Carbon disulphide	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Dichloromethane	<3 µg/l	TM208		<3 #	<3 #	<3 #	<3 #		
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
2,2-Dichloropropane	<1 µg/l	TM208		<1	<1	<1	<1		
Bromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Chloroform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1,1-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Carbontetrachloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,2-Dichloroethane	<1 µg/l	TM208		<1	<1	<1	<1		
Benzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Trichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Dibromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Bromodichloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Toluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
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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.	GW09_35	GW12_30	GW12_33	GW12_38		
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016		
			Sample Time	.	.	.	.		
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016		
			SDG Ref	160928-40	160928-40	160928-40	160928-40		
			Lab Sample No.(s)	14226063	14226170	14226039	14226096		
			AGS Reference						
1,3-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Tetrachloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Dibromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,2-Dibromoethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Chlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Ethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
o-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Styrene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Bromoform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Isopropylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208		<1	<1	<1	<1		
1,2,3-Trichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Bromobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Propylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
4-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
tert-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,2,4-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,3-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,4-Dichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
n-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,2-Dichlorobenzene	<1 µg/l	TM208		<1	<1	<1	<1		
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208		<1	<1	<1	<1		
1,2,4-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Hexachlorobutadiene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
Naphthalene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

VOC MS (W)

Results Legend	
#	ISO17025 accredited.
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aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
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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.	GW09_35	GW12_30	GW12_33	GW12_38		
			Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00		
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)		
			Date Sampled	27/09/2016	27/09/2016	27/09/2016	27/09/2016		
			Sample Time	.	.	.	.		
			Date Received	28/09/2016	28/09/2016	28/09/2016	28/09/2016		
			SDG Ref	160928-40	160928-40	160928-40	160928-40		
			Lab Sample No.(s)	14226063	14226170	14226039	14226096		
			AGS Reference						
1,2,3-Trichlorobenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #		
1,3,5-Trichlorobenzene	<1 µg/l	TM208		<1	<1	<1	<1		

CERTIFICATE OF ANALYSIS

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
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Client Reference:		**Attention:**	Meirion Humphreys	**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 ALcontrol Laboratories Hawarden (Method codes TM) or ALcontrol Laboratories Aberdeen (Method codes S).

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Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	14226146	14226160	14226208	14226106	14226053	14226075	14226085	14226117	14226137	14226127
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	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Alkalinity as CaCO3	30-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016
Alkalinity Filtered as CaCO3			30-Sep-2016	29-Sep-2016	30-Sep-2016	29-Sep-2016	30-Sep-2016	29-Sep-2016		29-Sep-2016
Ammoniacal Nitrogen	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016
Anions by Kone (w)	29-Sep-2016	29-Sep-2016	06-Oct-2016	03-Oct-2016	06-Oct-2016	04-Oct-2016	03-Oct-2016	06-Oct-2016	29-Sep-2016	06-Oct-2016
BOD True Total			03-Oct-2016	03-Oct-2016	03-Oct-2016	03-Oct-2016	03-Oct-2016	03-Oct-2016		03-Oct-2016
COD Unfiltered	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016
Conductivity (at 20 deg.C)	28-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	28-Sep-2016	30-Sep-2016	28-Sep-2016	30-Sep-2016
Cyanide Comp/Free/Total/Thiocyanate	30-Sep-2016	30-Sep-2016	03-Oct-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016
Dissolved Metals by ICP-MS	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016
Dissolved Organic/Inorganic Carbon			30-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	29-Sep-2016	30-Sep-2016		30-Sep-2016
EPH (DRO) (C10-C40) Aqueous (W)	03-Oct-2016	03-Oct-2016	30-Sep-2016	04-Oct-2016	03-Oct-2016	03-Oct-2016	03-Oct-2016	03-Oct-2016	04-Oct-2016	03-Oct-2016
Ionic Balance			07-Oct-2016	10-Oct-2016	07-Oct-2016	10-Oct-2016	10-Oct-2016	10-Oct-2016		10-Oct-2016
Mercury Dissolved	04-Oct-2016	05-Oct-2016	05-Oct-2016	30-Sep-2016	05-Oct-2016	05-Oct-2016	30-Sep-2016	05-Oct-2016	30-Sep-2016	05-Oct-2016
Metals by iCap-OES Dissolved (W)	03-Oct-2016	03-Oct-2016	03-Oct-2016	05-Oct-2016	03-Oct-2016	05-Oct-2016	05-Oct-2016	06-Oct-2016	06-Oct-2016	05-Oct-2016
Nitrite by Kone (w)			03-Oct-2016	29-Sep-2016	03-Oct-2016	03-Oct-2016	29-Sep-2016	29-Sep-2016		29-Sep-2016
Organochlorine Pesticides (Aq)	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016
Organophosphorus Pesticides (Aq)	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016
Organotins in Aqueous Samples	30-Sep-2016	30-Sep-2016	04-Oct-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	06-Oct-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016
pH Value	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016
Phenols by HPLC (W)	29-Sep-2016	30-Sep-2016	29-Sep-2016	30-Sep-2016	03-Oct-2016	03-Oct-2016	29-Sep-2016	03-Oct-2016	30-Sep-2016	30-Sep-2016
Sulphide			06-Oct-2016	06-Oct-2016	06-Oct-2016	04-Oct-2016	06-Oct-2016	06-Oct-2016		06-Oct-2016
SVOC MS (W) - Aqueous	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016
Total Organic and Inorganic Carbon	29-Sep-2016	29-Sep-2016							29-Sep-2016	
VOC MS (W)	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016

Lab Sample No(s)	14226183	14226197	14226063	14226170	14226039	14226096	14226033
Customer Sample Ref.	GW09_31	GW09_32	GW09_35	GW12_30	GW12_33	GW12_38	SW_23
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	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Alkalinity as CaCO3	29-Sep-2016	30-Sep-2016	29-Sep-2016	30-Sep-2016	30-Sep-2016	29-Sep-2016	
Alkalinity Filtered as CaCO3	29-Sep-2016	30-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	
Ammoniacal Nitrogen	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016
Anions by Kone (w)	06-Oct-2016	03-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	03-Oct-2016	29-Sep-2016
BOD True Total	03-Oct-2016	03-Oct-2016	03-Oct-2016	03-Oct-2016	03-Oct-2016	03-Oct-2016	03-Oct-2016
COD Unfiltered	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016	29-Sep-2016
Conductivity (at 20 deg.C)	28-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	28-Sep-2016	30-Sep-2016
Cyanide Comp/Free/Total/Thiocyanate	30-Sep-2016	03-Oct-2016	30-Sep-2016	30-Sep-2016	03-Oct-2016	30-Sep-2016	
Dissolved Metals by ICP-MS	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	
Dissolved Organic/Inorganic Carbon	03-Oct-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	30-Sep-2016	29-Sep-2016	
EPH (DRO) (C10-C40) Aqueous (W)	03-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	03-Oct-2016	
Ionic Balance	07-Oct-2016	07-Oct-2016	10-Oct-2016	07-Oct-2016	07-Oct-2016	10-Oct-2016	
Mercury Dissolved	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	
Metals by iCap-OES Dissolved (W)	06-Oct-2016	06-Oct-2016	05-Oct-2016	12-Oct-2016	06-Oct-2016	06-Oct-2016	
Nitrite by Kone (w)	29-Sep-2016	03-Oct-2016	03-Oct-2016	29-Sep-2016	03-Oct-2016	29-Sep-2016	
Organochlorine Pesticides (Aq)	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	
Organophosphorus Pesticides (Aq)	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	06-Oct-2016	
Organotins in Aqueous Samples	30-Sep-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	30-Sep-2016	
pH Value	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016
Phenols by HPLC (W)	30-Sep-2016	03-Oct-2016	03-Oct-2016	29-Sep-2016	03-Oct-2016	29-Sep-2016	
Sulphide	04-Oct-2016	06-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	06-Oct-2016	
SVOC MS (W) - Aqueous	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	05-Oct-2016	
VOC MS (W)	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	04-Oct-2016	

SDG:	160928-40	**Location:**	Docksway Landfill Site	**Order Number:**	700095479
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	382050
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Appendix

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. ALcontrol Laboratories 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.

General

20. 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.

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

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

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 ALcontrol Laboratories (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 ALcontrol Laboratories (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.