ALcontrol Laboratories

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Newport City Council
Civic Centre
Newport
NP20 4UR

Attention: Meirion Humphreys

CERTIFICATE OF ANALYSIS

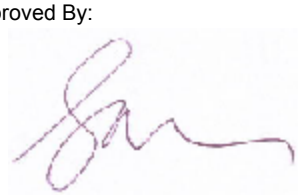
Date:	09 October 2015
Customer:	H_NCC_NPT
Sample Delivery Group (SDG):	150926-24
Your Reference:	
Location:	Docksway Landfill Site
Report No:	332953

We received 14 samples on Saturday September 26, 2015 and 13 of these samples were scheduled for analysis which was completed on Friday October 09, 2015. 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.

All chemical testing (unless subcontracted) is performed at ALcontrol Hawarden Laboratories.

Approved By:



Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
12131565	GW03-02			25/09/2015
12131564	GW03-05			25/09/2015
12131569	GW03-09			25/09/2015
12131571	GW06-13			25/09/2015
12131572	GW06-37			25/09/2015
12131566	GW07-07			25/09/2015
12131568	GW07-40			25/09/2015
12131570	GW12-38			25/09/2015
12131574	GW06-14A			25/09/2015
12131579	LF08-07			25/09/2015
12131575	LF11-02			25/09/2015
12131578	LF11-04			25/09/2015
12131577	LF11-05			25/09/2015
12131576	LF11-07			25/09/2015

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

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

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Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	12131565	12131564	12131569	12131571	12131572	12131566	12131570
Customer Sample Reference	GW03-02	GW03-05	GW03-09	GW06-13	GW06-37	GW07-07	GW12-38
AGS Reference							
Depth (m)							

Container	1000ml glass bottle (ALE	1plastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	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)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1plastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE
Alkalinity as CaCO3	All	NDPs: 0 Tests: 8		X					X					X		X					X						X					
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 13				X					X						X					X						X					
Anions by Kone (w)	All	NDPs: 0 Tests: 9		X					X					X		X					X						X					
BOD True Total	All	NDPs: 0 Tests: 6													X							X											
COD Unfiltered	All	NDPs: 0 Tests: 9		X					X					X	X							X						X					
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 9		X					X					X		X					X						X					
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 13				X					X						X					X						X					
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 13		X					X					X		X					X						X					
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 5												X							X												X
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 13	X						X					X							X						X						X
Ionic Balance	All	NDPs: 0 Tests: 6													X							X											
Mercury Dissolved	All	NDPs: 0 Tests: 13			X					X						X							X						X				
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 13		X					X					X		X					X						X					
Nitrite by Kone (w)	All	NDPs: 0 Tests: 6													X							X											
Organochlorine Pesticides (Aq)	All	NDPs: 0 Tests: 13	X						X					X		X					X						X						X

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

LIQUID

Results Legend

X Test

N No Determination Possible

Lab Sample No(s)	12131565	12131564	12131569	12131571	12131572	12131566	12131570
Customer Sample Reference	GW03-02	GW03-05	GW03-09	GW06-13	GW06-37	GW07-07	GW12-38
AGS Reference							
Depth (m)							
Container	1000ml glass bottle (ALE 1plastic (ALE221) Dissolved Metals Preser H2SO4 (ALE244) NaOH (ALE245) Vial (ALE297)	1000ml glass bottle (ALE 1plastic (ALE221) Dissolved Metals Preser H2SO4 (ALE244) 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) 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) Dissolved Metals Preser H2SO4 (ALE244) NaOH (ALE245) Vial (ALE297)	1000ml glass bottle (ALE
Organophosphorus Pesticides (Aq)	All	NDPs: 0 Tests: 13	X	X	X	X	X	X	X
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 9	X	X	X	X	X	X	X
pH Value	All	NDPs: 0 Tests: 9	X	X	X	X	X	X	
Phenols by HPLC (W)	All	NDPs: 0 Tests: 13	X	X	X	X	X	X	
Sulphide	All	NDPs: 0 Tests: 6	X	X	X				
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 12	X	X	X	X	X	X	X
Total Organic and Inorganic Carbon	All	NDPs: 0 Tests: 4	X	X				X	
VOC MS (W)	All	NDPs: 0 Tests: 13	X	X	X	X	X		X

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

LIQUID

Results Legend

- X Test
- N No Determination Possible

Lab Sample No(s)			12131570						12131574							12131579								12131575						12131578						12131577						12131576
Customer Sample Reference			GW12-38						GW06-14A							LF08-07								LF11-02						LF11-04						LF11-05						LF11-07
AGS Reference																																										
Depth (m)																																										
Container			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)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	250ml BOD (ALE212)	Dissolved Metals Preser	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	ZnAc (ALE246)	1000ml glass bottle (ALE	1lplastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE	1lplastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)	1000ml glass bottle (ALE
Alkalinity as CaCO3	All	NDPs: 0 Tests: 8	X							X																																
Alkalinity Filtered as CaCO3	All	NDPs: 0 Tests: 1															X																									
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 13				X							X							X							X						X						X			
Anions by Kone (w)	All	NDPs: 0 Tests: 9	X							X							X																									
BOD True Total	All	NDPs: 0 Tests: 6		X							X							X																								
COD Unfiltered	All	NDPs: 0 Tests: 9		X							X							X																								
Conductivity (at 20 deg.C)	All	NDPs: 0 Tests: 9	X							X							X																									
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 13					X							X							X							X						X						X		
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 13	X							X							X								X						X						X					
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 5							X																																	
EPH (DRO) (C10-C40) Aqueous (W)	All	NDPs: 0 Tests: 13							X							X								X						X						X						X
Ionic Balance	All	NDPs: 0 Tests: 6	X							X							X																									
Mercury Dissolved	All	NDPs: 0 Tests: 13			X							X							X							X						X						X				
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 13	X							X							X								X						X						X					
Nitrite by Kone (w)	All	NDPs: 0 Tests: 6					X							X							X																					

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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
			12131570	GW12-38			1lplastic (ALE221)
							250ml BOD (ALE212)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							NaOH (ALE245)
							Vial (ALE297)
							1000ml glass bottle (ALE
			12131574	GW06-14A			1lplastic (ALE221)
							250ml BOD (ALE212)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							NaOH (ALE245)
							Vial (ALE297)
			12131579	LF08-07			1000ml glass bottle (ALE
							1lplastic (ALE221)
							250ml BOD (ALE212)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							NaOH (ALE245)
							Vial (ALE297)
							ZnAc (ALE246)
			12131575	LF11-02			1000ml glass bottle (ALE
							1lplastic (ALE221)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							NaOH (ALE245)
							Vial (ALE297)
			12131578	LF11-04			1000ml glass bottle (ALE
							1lplastic (ALE221)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							NaOH (ALE245)
							Vial (ALE297)
			12131577	LF11-05			1000ml glass bottle (ALE
							1lplastic (ALE221)
							Dissolved Metals Preser
							H2SO4 (ALE244)
							NaOH (ALE245)
							Vial (ALE297)
			12131576	LF11-07			1000ml glass bottle (ALE
Organochlorine Pesticides (Aq)	All	NDPs: 0 Tests: 13					X X X X X X X
Organophosphorus Pesticides (Aq)	All	NDPs: 0 Tests: 13					X X X X X X X
Organotins in Aqueous Samples	All	NDPs: 0 Tests: 9					X X
PAH Spec MS - Aqueous (W)	All	NDPs: 0 Tests: 1					X
pH Value	All	NDPs: 0 Tests: 9					X X X
Phenols by HPLC (W)	All	NDPs: 0 Tests: 13					X X X X X X
Sulphide	All	NDPs: 0 Tests: 6					X X X
SVOC MS (W) - Aqueous	All	NDPs: 0 Tests: 12					X X X X X
Total Organic and Inorganic Carbon	All	NDPs: 0 Tests: 4					X
VOC MS (W)	All	NDPs: 0 Tests: 13					X X X X X

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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				
			12131576	LF11-07			1lplastic (ALE221)	Dissolved Metals Preser	H2SO4 (ALE244)	NaOH (ALE245)	Vial (ALE297)
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 13							X		
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 13								X	
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 13					X				
Mercury Dissolved	All	NDPs: 0 Tests: 13						X			
Metals by iCap-OES Dissolved (W)	All	NDPs: 0 Tests: 13					X				
Phenols by HPLC (W)	All	NDPs: 0 Tests: 13							X		
VOC MS (W)	All	NDPs: 0 Tests: 13									X

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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	GW06-37	GW07-07
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131565	12131564	12131569	12131571	12131572	12131566
			AGS Reference						
Ionic balance	% Diff	Calulation				-2.38	-2.2	-0.443	
Alkalinity, Total as CaCO3	<2 mg/l	TM043		1020 #	1090 #	1110 #	827 #	1010 #	688 #
BOD, unfiltered	<1 mg/l	TM045				<1 #	2.1 ♦ #	183 ♦ #	
Carbon, Organic (diss.filt)	<3 mg/l	TM090				20	14.8	26.8	
Organic Carbon, Total	<3 mg/l	TM090		17.9 #	16 #				13.6 #
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099		53.9 #	45.9 #	8.16 #	3.35 #	35.5 #	6.28 #
Sulphide	<0.01 mg/l	TM101				0.0162 #	<0.01 #	0.496 #	
COD, unfiltered	<7 mg/l	TM107		35.1 #	56.1 #	66 #	69.6 #	427 #	52.5 #
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		1.95 #	2.76 #	6.53 #	6.21 #	11.4 #	2.54 #
Arsenic (diss.filt)	<0.12 µg/l	TM152		2.98 #	2.81 #	<0.12 #	13.3 #	176 #	9.1 #
Boron (diss.filt)	<9.4 µg/l	TM152				1320 #	1280 #	1800 #	
Cadmium (diss.filt)	<0.1 µg/l	TM152		<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #	<0.1 #
Chromium (diss.filt)	<0.22 µg/l	TM152		7.8 #	10.2 #	14.3 #	7.01 #	11.9 #	6.18 #
Copper (diss.filt)	<0.85 µg/l	TM152		<0.85 #	<0.85 #	1.47 #	1.17 #	1.78 #	<0.85 #
Lead (diss.filt)	<0.02 µg/l	TM152		0.184 #	0.383 #	0.665 #	0.648 #	0.835 #	0.285 #
Manganese (diss.filt)	<0.04 µg/l	TM152		444 #	612 #	363 #	486 #	460 #	769 #
Nickel (diss.filt)	<0.15 µg/l	TM152		3.05 #	3.89 #	3.15 #	4.58 #	3.18 #	6.67 #
Selenium (diss.filt)	<0.39 µg/l	TM152				<0.39 #	12.6 #	<0.39 #	
Zinc (diss.filt)	<0.41 µg/l	TM152		<0.41 #	3.47 #	3.21 #	3.91 #	2.1 #	1.85 #
EPH Range >C10 - C40 (aq)	<46 µg/l	TM172		<46 #	75.9 #	<46 #	69.2 #	3190 #	96.8 #
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 #	
Sulphate	<2 mg/l	TM184		<2 #	<2 #	66.9 #	102 #	21.8 #	66.9 #
Chloride	<2 mg/l	TM184		147 #	403 #	1900 #	1830 #	3910 #	505 #
Phosphate (ortho) as PO4	<0.05 mg/l	TM184				9.11 #	4.07 #	9.11 #	
Nitrate as NO3	<0.3 mg/l	TM184				<0.3 #	<0.3 #	<0.3 #	
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184		<0.1 #	0.107 #	<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 #				<0.05 #
Calcium (diss.filt)	<0.012 mg/l	TM228		107 #	171 #	120 #	91 #	68.3 #	120 #
Sodium (diss.filt)	<0.076 mg/l	TM228		111 #	285 #	1270 #	1130 #	2310 #	385 #
Magnesium (diss.filt)	<0.036 mg/l	TM228		79.2 #	69.2 #	138 #	147 #	252 #	54.9 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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	GW06-37	GW07-07
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131565	12131564	12131569	12131571	12131572	12131566
			AGS Reference						
Potassium (diss.filt)	<1 mg/l	TM228		49.8 #	45 #	49.7 #	45.4 #	71.8 #	21.9 #
Iron (diss.filt)	<0.019 mg/l	TM228				<0.19 #	<0.19 #	2.62 #	
Hardness, Total as CaCO3	<1 mg/l	TM228				869 #	833 #	1210 #	
pH	<1 pH Units	TM256		7.65 #	7.56 #	7.78 #	8.32 #	7.83 #	7.88 #
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		0.029	<0.01	<0.01	<0.01	<0.01	0.014
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		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
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:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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	GW06-37	GW07-07
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131565	12131564	12131569	12131571	12131572	12131566
			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:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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	GW06-37	GW07-07
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131565	12131564	12131569	12131571	12131572	12131566
			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		100	87.6	105	95.1	56.3	101

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Results Legend

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

Component	LOD/Units	Method	Customer Sample Ref.	GW12-38	GW06-14A	LF08-07	LF11-02	LF11-04	LF11-05
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131570	12131574	12131579	12131575	12131578	12131577
			AGS Reference						
Ionic balance	% Diff	Calulation		-2.46	-2.2	-3.31			
Alkalinity, Total as CaCO3	<2 mg/l	TM043		769 #	1360 #				
Alkalinity,Total as CaCO3 (diss.filt)	<2 mg/l	TM043				1400			
BOD, unfiltered	<1 mg/l	TM045		11 ♦ #	32.9 ♦ #	8.23 #			
Carbon, Organic (diss.filt)	<3 mg/l	TM090		22.4	20.3				
Organic Carbon, Total	<3 mg/l	TM090				70.1 #			
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099		0.928 #	21.6 #	160 #	358 #	2370 #	1510 #
Sulphide	<0.01 mg/l	TM101		<0.01 #	0.0479 #	1.07 #			
COD, unfiltered	<7 mg/l	TM107		308 #	2470 #	222 #			
Conductivity @ 20 deg.C	<0.005 mS/cm	TM120		3.77 #	7.46 #	3.42 #			
Arsenic (diss.filt)	<0.12 µg/l	TM152		4.35 #	11.8 #	7.97 #	14.6 #	30.7 #	31.4 #
Boron (diss.filt)	<9.4 µg/l	TM152		808 #	1370 #	2210 #			
Cadmium (diss.filt)	<0.1 µg/l	TM152		0.106 #	<0.1 #	<0.1 #			
Chromium (diss.filt)	<0.22 µg/l	TM152		4.13 #	14.9 #	18.3 #			
Copper (diss.filt)	<0.85 µg/l	TM152		5.59 #	1.11 #	1.02 #			
Lead (diss.filt)	<0.02 µg/l	TM152		0.32 #	0.955 #	0.134 #			
Manganese (diss.filt)	<0.04 µg/l	TM152		15000 #	2500 #	1290 #			
Nickel (diss.filt)	<0.15 µg/l	TM152		8.51 #	5.05 #	21.2 #	0.766 #	252 #	377 #
Selenium (diss.filt)	<0.39 µg/l	TM152		5.44 #	1.73 #	5.04 #			
Zinc (diss.filt)	<0.41 µg/l	TM152		2.21 #	1.45 #	2.9 #			
EPH Range >C10 - C40 (aq)	<46 µg/l	TM172		419 #	826 #	5940 #	8040 #	10300 #	460000 #
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 #	0.173 #	<0.05 #			
Sulphate	<2 mg/l	TM184		448 #	35.3 #	236 #			
Chloride	<2 mg/l	TM184		884 #	2410 #	282 #			
Phosphate (ortho) as PO4	<0.05 mg/l	TM184		0.1 #	0.154 #	0.417 #			
Nitrate as NO3	<0.3 mg/l	TM184		<0.3 #	2.59 #	<0.3 #			
Total Oxidised Nitrogen as N	<0.1 mg/l	TM184		<0.1 #	0.637 #	<0.1 #			
Cyanide, Total	<0.05 mg/l	TM227		<0.05 #	<0.05 #	<0.05 #	<0.05 #	<0.05 #	0.055 #
Cyanide, Free	<0.05 mg/l	TM227					<0.05 #	<0.05 #	<0.05 #
Calcium (diss.filt)	<0.012 mg/l	TM228		232 #	184 #				
Sodium (diss.filt)	<0.076 mg/l	TM228		544 #	1470 #				

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Results Legend

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Component	LOD/Units	Method	Customer Sample Ref.	GW12-38	GW06-14A	LF08-07	LF11-02	LF11-04	LF11-05
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131570	12131574	12131579	12131575	12131578	12131577
			AGS Reference						
Magnesium (diss.filt)	<0.036 mg/l	TM228		71 #	151 #				
Potassium (diss.filt)	<1 mg/l	TM228		34.3 #	69.2 #	107 #	186 #	949 #	733 #
Iron (diss.filt)	<0.019 mg/l	TM228		0.0565 #	<0.19 #	0.28 #			
Hardness, Total as CaCO3	<1 mg/l	TM228		873 #	1080 #	701 #			
pH	<1 pH Units	TM256		7.5 #	7.48 #	7.36 #			
Phenols, Total Detected monohydric	<0.016 mg/l	TM259		<0.016 #	<0.016 #	0.03 #	0.02 #	0.11 #	0.15 #
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	<0.01	<0.01	<0.01	<0.01
Etridiazole	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroneb	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tecnazene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Propachlor	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trifluralin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
beta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
delta-HCH	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triallate	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorothalonil	<0.01 µg/l	TM314		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
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

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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.	GW12-38	GW06-14A	LF08-07	LF11-02	LF11-04	LF11-05
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131570	12131574	12131579	12131575	12131578	12131577
			AGS Reference						
4,4-DDE	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dieldrin	<0.01 µg/l	TM314		<0.01	<0.01	<0.01	<0.01	<0.01	<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

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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.	GW12-38	GW06-14A	LF08-07	LF11-02	LF11-04	LF11-05
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131570	12131574	12131579	12131575	12131578	12131577
			AGS Reference						
Cypromazine	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorpyriphos-Methyl	<0.01 µg/l	TM315		<0.01	<0.01	<0.01	<0.01	<0.01	<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	0.094	<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	20.1			
Tributyl tin	<1 ng/l	TM328		<1	<1	<1			
Tetrabutyl tin	<2 ng/l	TM328		<2	<2	<2			
Triphenyl tin	<1 ng/l	TM328		<1	<1	<1			
Surrogate	%	TM328		95.3	74.8	74			

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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)

Customer Sample Ref.	LF11-07
Depth (m)	.
Sample Type	Water(GW/SW)
Date Sampled	25/09/2015
Sample Time	.
Date Received	26/09/2015
SDG Ref	150926-24
Lab Sample No.(s)	12131576
AGS Reference	

Component	LOD/Units	Method	
Ammoniacal Nitrogen as N	<0.2 mg/l	TM099	1700 #
Arsenic (diss.filt)	<0.12 µg/l	TM152	25.4 #
Nickel (diss.filt)	<0.15 µg/l	TM152	257 #
EPH Range >C10 - C40 (aq)	<46 µg/l	TM172	8580 #
Mercury (diss.filt)	<0.01 µg/l	TM183	<0.01 #
Cyanide, Total	<0.05 mg/l	TM227	<0.05 #
Cyanide, Free	<0.05 mg/l	TM227	<0.05 #
Potassium (diss.filt)	<1 mg/l	TM228	639 #
Phenols, Total Detected monohydric	<0.016 mg/l	TM259	0.17 #
1,3,5-Trichlorobenzene	<0.02 µg/l	TM314	<0.02
1,2,4-Trichlorobenzene	<0.02 µg/l	TM314	<0.02
1,2,3-Trichlorobenzene	<0.02 µg/l	TM314	<0.02
Hexachlorobutadiene	<0.01 µg/l	TM314	<0.01
Dichlobenil	<0.01 µg/l	TM314	<0.01
Etridiazole	<0.01 µg/l	TM314	<0.01
Chloroneb	<0.01 µg/l	TM314	<0.01
Tecnazene	<0.01 µg/l	TM314	<0.01
Propachlor	<0.01 µg/l	TM314	<0.01
Trifluralin	<0.01 µg/l	TM314	<0.01
alpha-HCH	<0.01 µg/l	TM314	<0.01
Hexachlorobenzene	<0.01 µg/l	TM314	<0.01
beta-HCH	<0.01 µg/l	TM314	<0.01
gamma-HCH	<0.01 µg/l	TM314	<0.01
delta-HCH	<0.01 µg/l	TM314	<0.01
Triallate	<0.01 µg/l	TM314	<0.01
Chlorothalonil	<0.01 µg/l	TM314	<0.02
Heptachlor	<0.01 µg/l	TM314	<0.01
Aldrin	<0.01 µg/l	TM314	<0.01
Isodrin	<0.01 µg/l	TM314	<0.01
Dacthal	<0.01 µg/l	TM314	<0.01
Heptachlor-exo-epoxide	<0.01 µg/l	TM314	<0.01
alpha-Chlordane	<0.01 µg/l	TM314	<0.01

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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)

Customer Sample Ref.	LF11-07
Depth (m)	.
Sample Type	Water(GW/SW)
Date Sampled	25/09/2015
Sample Time	.
Date Received	26/09/2015
SDG Ref	150926-24
Lab Sample No.(s)	12131576
AGS Reference	

Component	LOD/Units	Method	
2,4-DDE	<0.01 µg/l	TM314	<0.01
alpha-Endosulphan	<0.01 µg/l	TM314	<0.01
gamma-Chlordane	<0.01 µg/l	TM314	<0.01
4,4-DDE	<0.01 µg/l	TM314	<0.01
Dieldrin	<0.01 µg/l	TM314	<0.01
2,4-DDD	<0.01 µg/l	TM314	<0.01
Endrin	<0.01 µg/l	TM314	<0.01
Chlorobenzilate	<0.01 µg/l	TM314	<0.01
beta-Endosulfan	<0.01 µg/l	TM314	<0.01
4,4-DDD	<0.01 µg/l	TM314	<0.01
2,4-DDT	<0.01 µg/l	TM314	<0.01
Endrin-Aldehyde	<0.01 µg/l	TM314	<0.01
4,4-DDT	<0.01 µg/l	TM314	<0.01
Endosulfan-sulfate	<0.01 µg/l	TM314	<0.01
Methoxychlor	<0.01 µg/l	TM314	<0.01
cis-Permethrin	<0.01 µg/l	TM314	<0.01
trans-Permethrin	<0.01 µg/l	TM314	<0.01
Cypermethrin	<0.02 µg/l	TM314	<0.02
Drins	<0.04 µg/l	TM314	<0.04
DDT	<0.02 µg/l	TM314	<0.02
Dichlorvos	<0.01 µg/l	TM315	<0.01
Mevinphos	<0.01 µg/l	TM315	<0.01
Omethoate	<0.01 µg/l	TM315	<0.01
Demeton-s-methyl	<0.01 µg/l	TM315	<0.01
Disulfoton	<0.01 µg/l	TM315	<0.01
Phorate	<0.01 µg/l	TM315	<0.01
Dimethoate	<0.01 µg/l	TM315	<0.01
Dioxation	<0.01 µg/l	TM315	<0.01
Propetamphos	<0.01 µg/l	TM315	<0.01
Simazine	<0.01 µg/l	TM315	<0.01
Trietazine	<0.01 µg/l	TM315	<0.01
Atrazine	<0.01 µg/l	TM315	<0.01

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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)

Customer Sample Ref.	LF11-07
Depth (m)	.
Sample Type	Water(GW/SW)
Date Sampled	25/09/2015
Sample Time	.
Date Received	26/09/2015
SDG Ref	150926-24
Lab Sample No.(s)	12131576
AGS Reference	

Component	LOD/Units	Method	
Diazinon	<0.01 µg/l	TM315	<0.01
Propazine	<0.01 µg/l	TM315	<0.01
Terbufos	<0.01 µg/l	TM315	<0.01
Cypromazine	<0.01 µg/l	TM315	<0.01
Chlorpyriphos-Methyl	<0.01 µg/l	TM315	<0.01
Parathion-Methyl	<0.01 µg/l	TM315	<0.01
Alachlor	<0.01 µg/l	TM315	<0.01
Pirimiphos-Methyl	<0.01 µg/l	TM315	<0.01
Fenitrothion	<0.01 µg/l	TM315	<0.01
Malathion	<0.01 µg/l	TM315	<0.01
Fenthion	<0.01 µg/l	TM315	<0.01
Chlorpyriphos-Ethyl	<0.01 µg/l	TM315	<0.01
Terbutryn	<0.01 µg/l	TM315	<0.01
Parathion-Ethyl	<0.01 µg/l	TM315	<0.01
Triadimefon	<0.01 µg/l	TM315	<0.01
Chlorfenvinphos	<0.01 µg/l	TM315	<0.01
Bromophos	<0.01 µg/l	TM315	<0.01
Prometryn	<0.01 µg/l	TM315	<0.01
Ethion	<0.01 µg/l	TM315	<0.01
Triazophos	<0.01 µg/l	TM315	<0.01
Carbophenothion	<0.01 µg/l	TM315	<0.01
EPN	<0.01 µg/l	TM315	<0.01
Phosalone	<0.01 µg/l	TM315	<0.01
Azinphos-Ethyl	<0.01 µg/l	TM315	<0.01
Amitraz	<0.01 µg/l	TM315	<0.01
Azinphos-Methyl	<0.01 µg/l	TM315	<0.01
Coumaphos	<0.01 µg/l	TM315	<0.01

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

PAH Spec MS - Aqueous (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)

Customer Sample Ref.	LF08-07
Depth (m)	.
Sample Type	Water(GW/SW)
Date Sampled	25/09/2015
Sample Time	.
Date Received	26/09/2015
SDG Ref	150926-24
Lab Sample No.(s)	12131579
AGS Reference	

Component	LOD/Units	Method	
Naphthalene (aq)	<0.1 µg/l	TM178	<0.5 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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	GW06-37	GW07-07
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131565	12131564	12131569	12131571	12131572	12131566
			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 #	12.2 #	<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:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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	GW06-37	GW07-07
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131565	12131564	12131569	12131571	12131572	12131566
			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	3.64	<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:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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.	GW12-38	GW06-14A	LF08-07	LF11-02	LF11-04	LF11-05
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131570	12131574	12131579	12131575	12131578	12131577
			AGS Reference						
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176		<1	<1	<1	1.81	<1	<10
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2,4-Dichlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2,4-Dimethylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	16.4 #
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2-Chloronaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2-Chlorophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2-Methylnaphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	32.5 #
2-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
2-Nitrophenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
3-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
4-Bromophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
4-Chloroaniline (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<10
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
4-Methylphenol (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
4-Nitroaniline (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
4-Nitrophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<10
Azobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Acenaphthylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Acenaphthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	10.6 #
Anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	26.7 #
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176		<2 #	2.19 #	31.8 #	7.58 #	35.8 #	3990 #
Butylbenzyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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.	GW12-38	GW06-14A	LF08-07	LF11-02	LF11-04	LF11-05
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131570	12131574	12131579	12131575	12131578	12131577
			AGS Reference						
Benzo(a)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	10.2 #
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	12.5 #
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Benzo(a)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Carbazole (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Chrysene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Dibenzofuran (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
n-Dibutyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	1.28 #	<1 #	<10 #
Diethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Dimethyl phthalate (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
n-Dioctyl phthalate (aq)	<5 µg/l	TM176		<5 #	<5 #	<5 #	<5 #	<5 #	90 #
Fluoranthene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	26.5 #
Fluorene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Hexachlorobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Hexachlorobutadiene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Pentachlorophenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<10
Phenol (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<10
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Hexachloroethane (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Nitrobenzene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Naphthalene (aq)	<1 µg/l	TM176		<1 #	<1 #	2.72 #	<1 #	3.8 #	<10 #
Isophorone (aq)	<1 µg/l	TM176		<1 #	<1 #	1.05 #	<1 #	1.23 #	<10 #
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176		<1	<1	<1	<1	<1	<10
Phenanthrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	1.19 #	31.2 #
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	<10 #
Pyrene (aq)	<1 µg/l	TM176		<1 #	<1 #	<1 #	<1 #	<1 #	19.2 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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)

Customer Sample Ref.	LF11-07
Depth (m)	.
Sample Type	Water(GW/SW)
Date Sampled	25/09/2015
Sample Time	.
Date Received	26/09/2015
SDG Ref	150926-24
Lab Sample No.(s)	12131576
AGS Reference	

Component	LOD/Units	Method	
1,2,4-Trichlorobenzene (aq)	<1 µg/l	TM176	<1 #
1,2-Dichlorobenzene (aq)	<1 µg/l	TM176	<1 #
1,3-Dichlorobenzene (aq)	<1 µg/l	TM176	<1 #
1,4-Dichlorobenzene (aq)	<1 µg/l	TM176	<1
2,4,5-Trichlorophenol (aq)	<1 µg/l	TM176	<1 #
2,4,6-Trichlorophenol (aq)	<1 µg/l	TM176	<1 #
2,4-Dichlorophenol (aq)	<1 µg/l	TM176	<1 #
2,4-Dimethylphenol (aq)	<1 µg/l	TM176	<1 #
2,4-Dinitrotoluene (aq)	<1 µg/l	TM176	<1 #
2,6-Dinitrotoluene (aq)	<1 µg/l	TM176	<1 #
2-Chloronaphthalene (aq)	<1 µg/l	TM176	<1 #
2-Chlorophenol (aq)	<1 µg/l	TM176	<1 #
2-Methylnaphthalene (aq)	<1 µg/l	TM176	<1 #
2-Methylphenol (aq)	<1 µg/l	TM176	6.77 #
2-Nitroaniline (aq)	<1 µg/l	TM176	<1 #
2-Nitrophenol (aq)	<1 µg/l	TM176	<1 #
3-Nitroaniline (aq)	<1 µg/l	TM176	<1 #
4-Bromophenylphenylether (aq)	<1 µg/l	TM176	<1 #
4-Chloro-3-methylphenol (aq)	<1 µg/l	TM176	<1 #
4-Chloroaniline (aq)	<1 µg/l	TM176	<1
4-Chlorophenylphenylether (aq)	<1 µg/l	TM176	<1 #
4-Methylphenol (aq)	<1 µg/l	TM176	<1 #
4-Nitroaniline (aq)	<1 µg/l	TM176	<1 #
4-Nitrophenol (aq)	<1 µg/l	TM176	<1
Azobenzene (aq)	<1 µg/l	TM176	<1 #
Acenaphthylene (aq)	<1 µg/l	TM176	<1 #
Acenaphthene (aq)	<1 µg/l	TM176	6.44 #
Anthracene (aq)	<1 µg/l	TM176	<1 #
bis(2-Chloroethyl)ether (aq)	<1 µg/l	TM176	<1 #
bis(2-Chloroethoxy)methane (aq)	<1 µg/l	TM176	<1 #
bis(2-Ethylhexyl) phthalate (aq)	<2 µg/l	TM176	152 #
Butylbenzyl phthalate (aq)	<1 µg/l	TM176	<1 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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)

Customer Sample Ref.	LF11-07
Depth (m)	.
Sample Type	Water(GW/SW)
Date Sampled	25/09/2015
Sample Time	.
Date Received	26/09/2015
SDG Ref	150926-24
Lab Sample No.(s)	12131576
AGS Reference	

Component	LOD/Units	Method	
Benzo(a)anthracene (aq)	<1 µg/l	TM176	<1 #
Benzo(b)fluoranthene (aq)	<1 µg/l	TM176	<1 #
Benzo(k)fluoranthene (aq)	<1 µg/l	TM176	<1 #
Benzo(a)pyrene (aq)	<1 µg/l	TM176	<1 #
Benzo(g,h,i)perylene (aq)	<1 µg/l	TM176	<1 #
Carbazole (aq)	<1 µg/l	TM176	2.9 #
Chrysene (aq)	<1 µg/l	TM176	<1 #
Dibenzofuran (aq)	<1 µg/l	TM176	<1 #
n-Dibutyl phthalate (aq)	<1 µg/l	TM176	<1 #
Diethyl phthalate (aq)	<1 µg/l	TM176	<1 #
Dibenzo(a,h)anthracene (aq)	<1 µg/l	TM176	<1 #
Dimethyl phthalate (aq)	<1 µg/l	TM176	<1 #
n-Dioctyl phthalate (aq)	<5 µg/l	TM176	<5 #
Fluoranthene (aq)	<1 µg/l	TM176	1.19 #
Fluorene (aq)	<1 µg/l	TM176	3.39 #
Hexachlorobenzene (aq)	<1 µg/l	TM176	<1 #
Hexachlorobutadiene (aq)	<1 µg/l	TM176	<1 #
Pentachlorophenol (aq)	<1 µg/l	TM176	<1
Phenol (aq)	<1 µg/l	TM176	<1
n-Nitroso-n-dipropylamine (aq)	<1 µg/l	TM176	<1 #
Hexachloroethane (aq)	<1 µg/l	TM176	<1 #
Nitrobenzene (aq)	<1 µg/l	TM176	<1 #
Naphthalene (aq)	<1 µg/l	TM176	<1 #
Isophorone (aq)	<1 µg/l	TM176	<1 #
Hexachlorocyclopentadiene (aq)	<1 µg/l	TM176	<1
Phenanthrene (aq)	<1 µg/l	TM176	6.4 #
Indeno(1,2,3-cd)pyrene (aq)	<1 µg/l	TM176	<1 #
Pyrene (aq)	<1 µg/l	TM176	<1 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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	GW06-37	GW07-07
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131565	12131564	12131569	12131571	12131572	12131566
			AGS Reference						
Dibromofluoromethane**	%	TM208		112	111	112	111	109	114
Toluene-d8**	%	TM208		99.3	98.8	99.9	98.9	99.1	99.8
4-Bromofluorobenzene**	%	TM208		98.9	99	98.6	97.9	98.6	98.4
Dichlorodifluoromethane	<1 µg/l	TM208		<1	<1	<1	<1	<1	<1
Chloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Vinyl chloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Trichlorofluoromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Carbon disulphide	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dichloromethane	<3 µg/l	TM208		<3 #	<3 #	<3 #	<3 #	<3 #	<3 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
2,2-Dichloropropane	<1 µg/l	TM208		<1	<1	<1	<1	<1	<1
Bromochloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Chloroform	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Carbontetrachloride	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloroethane	<1 µg/l	TM208		<1	<1	<1	<1	<1	<1
Benzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Trichloroethene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,2-Dichloropropane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Dibromomethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Bromodichloromethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
Toluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
trans-1,3-Dichloropropene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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	GW06-37	GW07-07
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131565	12131564	12131569	12131571	12131572	12131566
			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:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

VOC MS (W)

Results Legend		Customer Sample Ref.	GW03-02	GW03-05	GW03-09	GW06-13	GW06-37	GW07-07
#	ISO17025 accredited.							
M	*m*CERTS accredited.							
aq	Aqueous / settled sample.							
diss.filt	Dissolved / filtered sample.	Depth (m)	.	.	.	.	.	.
tot.unfilt	Total / unfiltered sample.	Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
*	Subcontracted test.	Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
**	% 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	Sample Time	.	.	.	.	.	.
		Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
		SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
(F)	Trigger breach confirmed	Lab Sample No.(s)	12131565	12131564	12131569	12131571	12131572	12131566
1-5&+§@	Sample deviation (see appendix)	AGS Reference						

Component	LOD/Units	Method						
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:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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.	GW12-38	GW06-14A	LF08-07	LF11-02	LF11-04	LF11-05
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131570	12131574	12131579	12131575	12131578	12131577
			AGS Reference						
Dibromofluoromethane**	%	TM208		111	111	110	110	112	112
Toluene-d8**	%	TM208		99.2	97.5	97.5	98.3	98.4	84.4
4-Bromofluorobenzene**	%	TM208		98	94.3	102	95.2	94.7	73.7
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 #	3.98 #	<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 #	1.26 #	2.83 #
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 #	5.91 #	9.98 #	10.2 #
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 #	2.01 #	20.3 #	44.4 #
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:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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.	GW12-38	GW06-14A	LF08-07	LF11-02	LF11-04	LF11-05
			Depth (m)	.	.	.	.	.	.
			Sample Type	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)	Water(GW/SW)
			Date Sampled	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015	25/09/2015
			Sample Time	.	.	.	.	.	.
			Date Received	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015	26/09/2015
			SDG Ref	150926-24	150926-24	150926-24	150926-24	150926-24	150926-24
			Lab Sample No.(s)	12131570	12131574	12131579	12131575	12131578	12131577
			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 #	5.06 #	19 #	65.5 #
m,p-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	113 #	31.1 #	123 #
o-Xylene	<1 µg/l	TM208		<1 #	<1 #	<1 #	14.3 #	14.5 #	52.2 #
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 #	2.48 #	1.16 #	19.1 #
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 #	1.34 #	1.34 #	8.31 #
2-Chlorotoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	1.93 #	3.7 #	19.8 #
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 #	14.9 #	16.7 #	71 #
sec-Butylbenzene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	<1 #
4-iso-Propyltoluene	<1 µg/l	TM208		<1 #	<1 #	<1 #	<1 #	<1 #	62.4 #
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	2.44	<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 #	4.49 #	4.41 #	26.9 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			GW12-38	.	Water(GW/SW)	25/09/2015	.	26/09/2015	150926-24	12131570	
			GW06-14A	.	Water(GW/SW)	25/09/2015	.	26/09/2015	150926-24	12131574	
			LF08-07	.	Water(GW/SW)	25/09/2015	.	26/09/2015	150926-24	12131579	
			LF11-02	.	Water(GW/SW)	25/09/2015	.	26/09/2015	150926-24	12131575	
			LF11-04	.	Water(GW/SW)	25/09/2015	.	26/09/2015	150926-24	12131578	
			LF11-05	.	Water(GW/SW)	25/09/2015	.	26/09/2015	150926-24	12131577	
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:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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)

Customer Sample Ref.	LF11-07
Depth (m)	.
Sample Type	Water(GW/SW)
Date Sampled	25/09/2015
Sample Time	.
Date Received	26/09/2015
SDG Ref	150926-24
Lab Sample No.(s)	12131576
AGS Reference	

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM208	110
Toluene-d8**	%	TM208	98.8
4-Bromofluorobenzene**	%	TM208	99.6
Dichlorodifluoromethane	<1 µg/l	TM208	<1
Chloromethane	<1 µg/l	TM208	<1 #
Vinyl chloride	<1 µg/l	TM208	<1 #
Bromomethane	<1 µg/l	TM208	<1 #
Chloroethane	<1 µg/l	TM208	<1 #
Trichlorofluoromethane	<1 µg/l	TM208	<1 #
1,1-Dichloroethene	<1 µg/l	TM208	<1 #
Carbon disulphide	<1 µg/l	TM208	<1 #
Dichloromethane	<3 µg/l	TM208	<3 #
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208	2.97 #
trans-1,2-Dichloroethene	<1 µg/l	TM208	<1 #
1,1-Dichloroethane	<1 µg/l	TM208	<1 #
cis-1,2-Dichloroethene	<1 µg/l	TM208	5.72 #
2,2-Dichloropropane	<1 µg/l	TM208	<1
Bromochloromethane	<1 µg/l	TM208	<1 #
Chloroform	<1 µg/l	TM208	<1 #
1,1,1-Trichloroethane	<1 µg/l	TM208	<1 #
1,1-Dichloropropene	<1 µg/l	TM208	<1 #
Carbontetrachloride	<1 µg/l	TM208	<1 #
1,2-Dichloroethane	<1 µg/l	TM208	<1
Benzene	<1 µg/l	TM208	12.3 #
Trichloroethene	<1 µg/l	TM208	<1 #
1,2-Dichloropropane	<1 µg/l	TM208	<1 #
Dibromomethane	<1 µg/l	TM208	<1 #
Bromodichloromethane	<1 µg/l	TM208	<1 #
cis-1,3-Dichloropropene	<1 µg/l	TM208	<1 #
Toluene	<1 µg/l	TM208	5.88 #
trans-1,3-Dichloropropene	<1 µg/l	TM208	<1 #
1,1,2-Trichloroethane	<1 µg/l	TM208	<1 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

VOC MS (W)

Results Legend		Customer Sample Ref.	LF11-07
#	ISO17025 accredited.		
M	*m*CERTS accredited.		
aq	Aqueous / settled sample.	Depth (m)	.
diss.filt	Dissolved / filtered sample.	Sample Type	Water(GW/SW)
tot.unfilt	Total / unfiltered sample.	Date Sampled	25/09/2015
*	Subcontracted test.	Sample Time	.
**	% 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	Date Received	26/09/2015
		SDG Ref	150926-24
(F)	Trigger breach confirmed	Lab Sample No.(s)	12131576
1-5&+§@	Sample deviation (see appendix)	AGS Reference	

Component	LOD/Units	Method	
1,3-Dichloropropane	<1 µg/l	TM208	<1 #
Tetrachloroethene	<1 µg/l	TM208	<1 #
Dibromochloromethane	<1 µg/l	TM208	<1 #
1,2-Dibromoethane	<1 µg/l	TM208	<1 #
Chlorobenzene	<1 µg/l	TM208	<1 #
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208	<1 #
Ethylbenzene	<1 µg/l	TM208	4.87 #
m,p-Xylene	<1 µg/l	TM208	65.3 #
o-Xylene	<1 µg/l	TM208	39.2 #
Styrene	<1 µg/l	TM208	<1 #
Bromoform	<1 µg/l	TM208	<1 #
Isopropylbenzene	<1 µg/l	TM208	<1 #
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208	<1
1,2,3-Trichloropropane	<1 µg/l	TM208	<1 #
Bromobenzene	<1 µg/l	TM208	<1 #
Propylbenzene	<1 µg/l	TM208	<1 #
2-Chlorotoluene	<1 µg/l	TM208	<1 #
1,3,5-Trimethylbenzene	<1 µg/l	TM208	6.32 #
4-Chlorotoluene	<1 µg/l	TM208	<1 #
tert-Butylbenzene	<1 µg/l	TM208	<1 #
1,2,4-Trimethylbenzene	<1 µg/l	TM208	17.1 #
sec-Butylbenzene	<1 µg/l	TM208	<1 #
4-iso-Propyltoluene	<1 µg/l	TM208	<1 #
1,3-Dichlorobenzene	<1 µg/l	TM208	<1 #
1,4-Dichlorobenzene	<1 µg/l	TM208	<1 #
n-Butylbenzene	<1 µg/l	TM208	<1 #
1,2-Dichlorobenzene	<1 µg/l	TM208	<1
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208	<1
1,2,4-Trichlorobenzene	<1 µg/l	TM208	<1 #
Hexachlorobutadiene	<1 µg/l	TM208	<1 #
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208	<1 #
Naphthalene	<1 µg/l	TM208	38.9 #

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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.	Depth (m)	Sample Type	Date Sampled	Sample Time	Date Received	SDG Ref	Lab Sample No.(s)	AGS Reference
			LF11-07	.	Water(GW/SW)	25/09/2015	.	26/09/2015	150926-24	12131576	
1,2,3-Trichlorobenzene	<1 µg/l	TM208	<1 #								
1,3,5-Trichlorobenzene	<1 µg/l	TM208	<1								

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
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		
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters		
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.

CERTIFICATE OF ANALYSIS

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	12131565	12131564	12131569	12131571	12131572	12131566	12131570	12131574	12131579	12131575
Customer Sample Ref.	GW03-02	GW03-05	GW03-09	GW06-13	GW06-37	GW07-07	GW12-38	GW06-14A	LF08-07	LF11-02
AGS Ref.										
Depth										
Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID
Alkalinity as CaCO3	02-Oct-2015	01-Oct-2015	29-Sep-2015	01-Oct-2015	29-Sep-2015	02-Oct-2015	01-Oct-2015	29-Sep-2015		
Alkalinity Filtered as CaCO3			02-Oct-2015	02-Oct-2015	02-Oct-2015		02-Oct-2015	05-Oct-2015	02-Oct-2015	
Ammoniacal Nitrogen	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015
Anions by Kone (w)	02-Oct-2015	02-Oct-2015	05-Oct-2015	05-Oct-2015	05-Oct-2015	02-Oct-2015	05-Oct-2015	05-Oct-2015	05-Oct-2015	
BOD True Total			01-Oct-2015	05-Oct-2015	04-Oct-2015		05-Oct-2015	05-Oct-2015	01-Oct-2015	
COD Unfiltered	30-Sep-2015	30-Sep-2015	27-Sep-2015	27-Sep-2015	27-Sep-2015	30-Sep-2015	27-Sep-2015	27-Sep-2015	27-Sep-2015	
Conductivity (at 20 deg.C)	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	
Cyanide Comp/Free/Total/Thiocyanate	30-Sep-2015	30-Sep-2015	01-Oct-2015	30-Sep-2015	01-Oct-2015	30-Sep-2015	30-Sep-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015
Dissolved Metals by ICP-MS	07-Oct-2015	05-Oct-2015	05-Oct-2015	06-Oct-2015	05-Oct-2015	05-Oct-2015	07-Oct-2015	06-Oct-2015	06-Oct-2015	09-Oct-2015
Dissolved Organic/Inorganic Carbon			30-Sep-2015	29-Sep-2015	29-Sep-2015		29-Sep-2015	30-Sep-2015		
EPH (DRO) (C10-C40) Aqueous (W)	02-Oct-2015	02-Oct-2015	02-Oct-2015	02-Oct-2015	02-Oct-2015	02-Oct-2015	02-Oct-2015	02-Oct-2015	02-Oct-2015	02-Oct-2015
Ionic Balance			07-Oct-2015	07-Oct-2015	07-Oct-2015		07-Oct-2015	07-Oct-2015	05-Oct-2015	
Mercury Dissolved	30-Sep-2015	30-Sep-2015	01-Oct-2015	30-Sep-2015	02-Oct-2015	30-Sep-2015	30-Sep-2015	02-Oct-2015	02-Oct-2015	02-Oct-2015
Metals by iCap-OES Dissolved (W)	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	29-Sep-2015	30-Sep-2015
Nitrite by Kone (w)			01-Oct-2015	01-Oct-2015	01-Oct-2015		01-Oct-2015	01-Oct-2015	01-Oct-2015	
Organochlorine Pesticides (Aq)	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015
Organophosphorus Pesticides (Aq)	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015
Organotins in Aqueous Samples	01-Oct-2015	01-Oct-2015	30-Sep-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	
PAH Spec MS - Aqueous (W)									06-Oct-2015	
pH Value	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	29-Sep-2015	01-Oct-2015	
Phenols by HPLC (W)	30-Sep-2015	30-Sep-2015	29-Sep-2015	01-Oct-2015	29-Sep-2015	01-Oct-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015	30-Sep-2015
Sulphide			01-Oct-2015	01-Oct-2015	01-Oct-2015		01-Oct-2015	01-Oct-2015	01-Oct-2015	
SVOC MS (W) - Aqueous	05-Oct-2015	05-Oct-2015	05-Oct-2015	05-Oct-2015	05-Oct-2015	05-Oct-2015	05-Oct-2015	05-Oct-2015	05-Oct-2015	05-Oct-2015
Total Organic and Inorganic Carbon	30-Sep-2015	30-Sep-2015				30-Sep-2015			30-Sep-2015	
VOC MS (W)	07-Oct-2015	07-Oct-2015	07-Oct-2015	07-Oct-2015	07-Oct-2015	07-Oct-2015	07-Oct-2015	07-Oct-2015	07-Oct-2015	07-Oct-2015

Lab Sample No(s)	12131578	12131577	12131576
Customer Sample Ref.	LF11-04	LF11-05	LF11-07
AGS Ref.			
Depth			
Type	LIQUID	LIQUID	LIQUID
Ammoniacal Nitrogen	06-Oct-2015	06-Oct-2015	06-Oct-2015
Cyanide Comp/Free/Total/Thiocyanate	01-Oct-2015	01-Oct-2015	01-Oct-2015
Dissolved Metals by ICP-MS	09-Oct-2015	09-Oct-2015	09-Oct-2015
EPH (DRO) (C10-C40) Aqueous (W)	05-Oct-2015	05-Oct-2015	05-Oct-2015
Mercury Dissolved	02-Oct-2015	02-Oct-2015	02-Oct-2015
Metals by iCap-OES Dissolved (W)	30-Sep-2015	30-Sep-2015	30-Sep-2015
Organochlorine Pesticides (Aq)	01-Oct-2015	01-Oct-2015	01-Oct-2015
Organophosphorus Pesticides (Aq)	01-Oct-2015	01-Oct-2015	01-Oct-2015
Phenols by HPLC (W)	30-Sep-2015	30-Sep-2015	30-Sep-2015
SVOC MS (W) - Aqueous	05-Oct-2015	05-Oct-2015	05-Oct-2015
VOC MS (W)	07-Oct-2015	07-Oct-2015	07-Oct-2015

SDG:	150926-24	**Location:**	Docksway Landfill Site	**Order Number:**	700077119
Job:	H_NCC_NPT-3	**Customer:**	Newport City Council	**Report Number:**	332953
Client Reference:		**Attention:**	Meirion Humphreys	**Superseded Report:**	

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH_4 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. 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 for wet tests reported on a dry weight basis are not corrected for moisture content.

13. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%, they are generally wider for volatiles analysis, 50-150%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

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

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

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

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

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

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

20. For 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 all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.

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.

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.