



Our Ref: 1400978
Your Ref:

ENVIROCHEM

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Analysis Report

Client: Fasset Business and Property Solutions
Langstone Technology Park,
Langstone Road,
Havant,
Hampshire,
PO9 1SA

Sample Details: Five samples of water for analysis for WAC analytes.

Date report issued: 27th February 2015

Number of pages (including this header): Six

Accreditation

All analytes marked **M** have been analysed under the scope of our MCERTS accreditation

All analytes marked **U** have been analysed under the scope of our UKAS accreditation

All analytes marked **m** have been subcontracted and analysed under the scope of their MCERTS accreditation

All analytes marked **u** have been subcontracted and analysed under the scope of their UKAS accreditation

Signed on behalf of Envirochem by an authorised signatory

Dr. Duncan Russell
(Senior Analyst)



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WATER ANALYSIS

Client:	Fasset, Langstone Technology Park, Havant.	Site:	Building 41
Sampled By:	J. Mackay (Envirochem)	Sample details :	Water within reservoir
Date Sampled:	13 th February 2015	Date Received :	13 th February 2015
Date Analysis Started:	17 th February 2015	Date Completed:	23 rd February 2015
Sample Description:	Wastewater	Analyst:	S Bessant, K. O'Connor, E. Hoque A. Aghajani & K. Muzan

Table 1: parameters determined on water (all results in mg leached per l)

Analyte	Method	Sample Lab Ref: 1400978-che-1	Landfill acceptance criteria for Inert waste	Effluent water
Arsenic ^U	5.04, 6.08	< 0.02†	0.5	1
Antimony	5.04, 6.08	< 0.01	0.06	3
Barium ^U	5.04, 6.08	0.81†	20	—
Cadmium ^U	5.04, 6.08	< 0.002†	0.04	—
Chromium (total) ^U	5.04, 6.08	< 0.01†	0.5	3
Copper ^U	5.04, 6.08	0.017†	2	3
Lead ^U	5.04, 6.08	< 0.02†	0.5	3
Mercury ^U	5.04, 6.08	< 0.005†	0.01	—
Molybdenum	5.04, 6.08	< 0.2	0.5	3
Nickel ^U	5.04, 6.08	< 0.01†	0.4	3
Selenium	5.04, 6.08	< 0.02	0.1	3
Zinc ^U	5.04, 6.08	< 0.1†	4	5
Sulphate ^U	5.04, 6.02	5.4†	0.3	—
Fluoride ^U	5.04, 6.02	0.54†	0.3	5
Chloride ^U	5.04, 6.02	18†	0.3	—
Phenol index	colourimetric	< 0.1	1	10
pH (pH units) ^U	6.03	6.50†	To be set	To be set
Total dissolved solids	electrometric	178	4000	—
Mineral oil (C ₁₀ – C ₄₀)	6.04	< 0.2	500	200
BTEX	6.0	< 0.2	—	—
PAHs	6.11	< 1	—	—
Dissolved Organic Carbon (mg/L)	5.04, 6.07	15	500	--

All analytes marked ^U have been analysed under the scope of our UKAS accreditation

All results labelled with an asterisk (†) are non-conforming due to incorrect sample storage or handling. The result may be invalid.

Comments: (comments are beyond the scope of UKAS accreditation)

Metals determined as soluble metals



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WATER ANALYSIS

Client:	Fasset, Langstone Technology Park, Havant	Site:	Building 41
Sampled By:	J. Mackay (Envirochem)	Sample details :	Inside external tank
Date Sampled:	13 th February 2015	Date Received :	13 th February 2015
Date Analysis Started:	17 th February 2015	Date Completed:	23 rd February 2015
Sample Description:	Wastewater	Analyst:	S Bessant, K. O'Connor, E. Hoque A. Aghajani & K. Muzan

Table 1: parameters determined on water (all results in mg leached per l)

Analyte	Method	Sample Lab Ref: 1400978-che-2	Landfill acceptance criteria for Inert waste	Effluent water
Arsenic ^U	5.04, 6.08	< 0.02†	0.5	1
Antimony	5.04, 6.08	< 0.01	0.06	3
Barium ^U	5.04, 6.08	0.13†	20	—
Cadmium ^U	5.04, 6.08	< 0.002†	0.04	—
Chromium (total) ^U	5.04, 6.08	< 0.01†	0.5	3
Copper ^U	5.04, 6.08	0.07†	2	3
Lead ^U	5.04, 6.08	< 0.02†	0.5	3
Mercury ^U	5.04, 6.08	< 0.005†	0.01	—
Molybdenum	5.04, 6.08	< 0.2	0.5	3
Nickel ^U	5.04, 6.08	< 0.01†	0.4	3
Selenium	5.04, 6.08	< 0.02	0.1	3
Zinc ^U	5.04, 6.08	0.22†	4	5
Sulphate ^U	5.04, 6.02	4†	0.3	—
Fluoride ^U	5.04, 6.02	< 0.3†	0.3	5
Chloride ^U	5.04, 6.02	16†	0.3	—
Phenol index	colourimetric	0.34	1	10
pH (pH units) ^U	6.03	6.77†	To be set	To be set
Total dissolved solids	electrometric	106	4000	—
Mineral oil (C ₁₀ – C ₄₀)	6.04	< 0.2	500	200
BTEX	6.0	< 0.2	—	—
PAHs	6.11	< 0.1	—	—
Dissolved Organic Carbon (mg/L)	5.04, 6.07	18	500	--

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WATER ANALYSIS

Client: Fasset, Langstone Technology **Site:** Building 41
Park, Havant
Sampled By: J. Mackay (Envirochem) **Sample details :** Water within reservoir
Date Sampled: 13th February 2015 **Date Received :** 13th February 2015
Date Analysis Started: 17th February 2015 **Date Completed:** 23rd February 2015
Sample Description: Wastewater **Analyst:** S Bessant, K. O'Connor, E. Hoque
A. Aghajani & K. Muzan

Table 1: parameters determined on water (all results in mg leached per l)

Analyte	Method	Sample Lab Ref: 1400978-che-3	Landfill acceptance criteria for Inert waste	Effluent water
Arsenic ^U	5.04, 6.08	< 0.02†	0.5	1
Antimony	5.04, 6.08	< 0.01	0.06	3
Barium ^U	5.04, 6.08	0.115†	20	—
Cadmium ^U	5.04, 6.08	< 0.002†	0.04	—
Chromium (total) ^U	5.04, 6.08	< 0.01†	0.5	3
Copper ^U	5.04, 6.08	0.097†	2	3
Lead ^U	5.04, 6.08	< 0.02†	0.5	3
Mercury ^U	5.04, 6.08	< 0.005†	0.01	—
Molybdenum	5.04, 6.08	< 0.2	0.5	3
Nickel ^U	5.04, 6.08	< 0.01†	0.4	3
Selenium	5.04, 6.08	< 0.02	0.1	3
Zinc ^U	5.04, 6.08	0.232†	4	5
Sulphate ^U	5.04, 6.02	4†	0.3	—
Fluoride ^U	5.04, 6.02	< 0.3†	0.3	5
Chloride ^U	5.04, 6.02	16†	0.3	—
Phenol index	colourimetric	0.59	1	10
pH (pH units) ^U	6.03	6.89†	To be set	To be set
Total dissolved solids	electrometric	103	4000	—
Mineral oil (C ₁₀ – C ₄₀)	6.04	< 0.2	500	200
BTEX	6.0	< 0.2	—	—
PAHs	6.11	< 0.1	—	—
Dissolved Organic Carbon (mg/L)	5.04, 6.07	15	500	--

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WATER ANALYSIS

Client:	Fasset, Langstone Technology Park	Site:	Building 41
Sampled By:	J. Mackay (Envirochem)	Sample details :	Water surrounding external tank
Date Sampled:	13 th February 2015	Date Received :	13 th February 2015
Date Analysis Started:	17 th February 2015	Date Completed:	23 rd February 2015
Sample Description:	Wastewater	Analyst:	S Bessant, K. O'Connor, E. Hoque A. Aghajani & K. Muzan

Table 1: parameters determined on water (all results in mg leached per l)

Analyte	Method	Sample Lab Ref: 1400978-che-4	Landfill acceptance criteria for Inert waste	Effluent water
Arsenic ^U	5.04, 6.08	< 0.02†	0.5	1
Antimony	5.04, 6.08	< 0.01	0.06	3
Barium ^U	5.04, 6.08	0.77†	20	—
Cadmium ^U	5.04, 6.08	< 0.002†	0.04	—
Chromium (total) ^U	5.04, 6.08	< 0.01†	0.5	3
Copper ^U	5.04, 6.08	0.016†	2	3
Lead ^U	5.04, 6.08	< 0.02†	0.5	3
Mercury ^U	5.04, 6.08	< 0.005†	0.01	—
Molybdenum	5.04, 6.08	< 0.2	0.5	3
Nickel ^U	5.04, 6.08	< 0.01†	0.4	3
Selenium	5.04, 6.08	< 0.02	0.1	3
Zinc ^U	5.04, 6.08	0.12†	4	5
Sulphate ^U	5.04, 6.02	5†	0.3	—
Fluoride ^U	5.04, 6.02	0.5†	0.3	5
Chloride ^U	5.04, 6.02	18†	0.3	—
Phenol index	colourimetric	0.84	1	10
pH (pH units) ^U	6.03	6.84†	To be set	To be set
Total dissolved solids	electrometric	170	4000	—
Mineral oil (C ₁₀ – C ₄₀)	6.04	< 0.2	500	200
BTEX	6.0	< 0.2	—	—
PAHs	6.11	< 0.1	—	—
Dissolved Organic Carbon (mg/L)	5.04, 6.07	15	500	--

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WATER ANALYSIS

Client:	Fasset, Langstone Technology Park	Site:	Building 41
Sampled By:	J. Mackay (Envirochem)	Sample details :	Drain adjacent chemical plant
Date Sampled:	13 th February 2015	Date Received :	13 th February 2015
Date Analysis Started:	17 th February 2015	Date Completed:	23 rd February 2015
Sample Description:	Wastewater	Analyst:	S Bessant, K. O'Connor, E. Hoque A. Aghajani & K. Muzan

Table 1: parameters determined on water (all results in mg leached per l)

Analyte	Method	Sample Lab Ref: 1400978-che-5	Landfill acceptance criteria for Inert waste	Effluent water
Arsenic ^U	5.04, 6.08	< 0.02†	0.5	1
Antimony	5.04, 6.08	< 0.01	0.06	3
Barium ^U	5.04, 6.08	0.09†	20	—
Cadmium ^U	5.04, 6.08	< 0.002†	0.04	—
Chromium (total) ^U	5.04, 6.08	< 0.01†	0.5	3
Copper ^U	5.04, 6.08	0.015†	2	3
Lead ^U	5.04, 6.08	< 0.02†	0.5	3
Mercury ^U	5.04, 6.08	< 0.005†	0.01	—
Molybdenum	5.04, 6.08	< 0.2	0.5	3
Nickel ^U	5.04, 6.08	< 0.01†	0.4	3
Selenium	5.04, 6.08	< 0.02	0.1	3
Zinc ^U	5.04, 6.08	0.52†	4	5
Sulphate ^U	5.04, 6.02	7†	0.3	—
Fluoride ^U	5.04, 6.02	< 0.3†	0.3	5
Chloride ^U	5.04, 6.02	58†	0.3	—
Phenol index	colourimetric	1.3	1	10
pH (pH units) ^U	6.03	7.17†	To be set	To be set
Total dissolved solids	electrometric	145	4000	—
Mineral oil (C ₁₀ – C ₄₀)	6.04	< 0.2	500	200
BTEX	6.0	< 0.2	—	—
PAHs	6.11	< 0.1	—	—
Dissolved Organic Carbon (mg/L)	5.04, 6.07	16	500	--

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Metals determined as soluble metals