



Certificate Of Analysis

Client: Kyogle Council (Tradewaste & Environmental)
Address: PO Box 11
 Kyogle NSW 2474
Contact: Andrew Clark
Sampled by: Mal Window
Subcontract Laboratory: Envirolab (NATA 2901)
Subcontract Reference: 75488

Report no: 12/01095
Date sampled: 28/06/2012
Date received: 28/06/2012
Date reported: 12/07/2012
No. of samples: 10
Revision no: 01
Testing commenced: 28/06/2012

KSC Landfill Monitoring

PARAMETER	Unit	Method	LOR	12/01095-1 GW1A	12/01095-2 GW2A	12/01095-3 GW3A	12/01095-4 BH2	12/01095-5 BH5	12/01095-6 BH6	12/01095-7 BH7	12/01095-8 SW2
Ammonia-N	mg/L	RWL 10.06	0.01	40	14	16	0.060	0.040	8.5	11.0	0.060
Nitrogen - Total	mg/L	RWL 10.04	0.1	1.7	22	14	1.6	0.66	155	24	1.1
pH	pH	APHA4500H	0.1	5.9	6.2	4.8	5.2	5.0	3.9	6.6	6.8
Arsenic (Total)	mg/L	APHA3120B	0.005	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	<0.005
Calcium	mg/L	APHA3120B	0.1	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	4.4
Chloride#	mg/L	RWL 10.09	5	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	20
Electrical Conductivity	µS/cm	APHA2510B	1	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	146
Dissolved Organic Carbon*	mg/L	Envirolab	1	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	8.0
Iron (Total)	mg/L	APHA3120B	0.005	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	1.20
Magnesium	mg/L	APHA3120B	0.1	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	2.9
Manganese (Total)	mg/L	APHA3120B	0.005	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	0.008
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	<0.010
Potassium	mg/L	APHA3120B	0.1	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	6.90
Sodium	mg/L	APHA3120B	0.1	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	14
TRH C10-C14*	µg/L	USEPA 8000	50	<50	120	<50	<50	<50	150	<50	<50
TRH C15-C28*	µg/L	USEPA 8000	100	<100	510	<100	<100	<100	1,200	<100	<100
TRH C29-C36*	µg/L	USEPA 8000	100	<100	<100	<100	<100	<100	210	<100	<100



Certificate Of Analysis

Client: Kyogle Council (Tradewaste & Environmental)

Report no: 12/01095

PARAMETER	Unit	Method	LOR	12/01095-1 GW1A	12/01095-2 GW2A	12/01095-3 GW3A	12/01095-4 BH2	12/01095-5 BH5	12/01095-6 BH6	12/01095-7 BH7	12/01095-8 SW2
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.01	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	0.080
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	<20	298	<20	<20	<20	<20	442	36
Suspended Solids	mg/L	APHA2540D	1	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	[NA]	11

PARAMETER	Unit	Method	LOR	12/01095-9 SW3	12/01095-10 Painter Bore
Ammonia-N	mg/L	RWL 10.06	0.01	0.080	0.070
Nitrogen - Total	mg/L	RWL 10.04	0.1	2.7	1.1
pH	pH	APHA4500H	0.1	7.0	7.3
Arsenic (Total)	mg/L	APHA3120B	0.005	0.007	[NA]
Calcium	mg/L	APHA3120B	0.1	8.8	[NA]
Chloride#	mg/L	RWL 10.09	5	25	[NA]
Electrical Conductivity	µS/cm	APHA2510B	1	165	[NA]
Dissolved Organic Carbon*	mg/L	EnviroLab	1	14	[NA]
Iron (Total)	mg/L	APHA3120B	0.005	15	[NA]
Magnesium	mg/L	APHA3120B	0.1	5.8	[NA]
Manganese (Total)	mg/L	APHA3120B	0.005	0.15	[NA]
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	0.030	[NA]
Potassium	mg/L	APHA3120B	0.1	6.90	[NA]
Sodium	mg/L	APHA3120B	0.1	17	[NA]
TRH C10-C14*	µg/L	USEPA 8000	50	<50	<50
TRH C15-C28*	µg/L	USEPA 8000	100	<100	<100

Certificate Of Analysis

Client: Kyogle Council (Tradewaste & Environmental)

Report no: 12/01095

PARAMETER	Unit	Method	LOR	12/01095-9 SW3	12/01095-10 Painter Bore
TRH C29-C36*	µg/L	USEPA 8000	100	<100	<100
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.01	0.39	[NA]
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	36	187
Suspended Solids	mg/L	APHA2540D	1	240	[NA]

Comments: This is the final report that supersedes the preliminary report issued on the 12/07/12, Alkalinity result for sample no. 1095-7 was previously transcribed incorrectly. V Barnett



V. Barnett
Laboratory Analyst
NATA Signatory

This report must not be reproduced except in full.
This report relates only to the items tested as specified herein.
Samples analysed between date received and date reported.

This document is issued in accordance with NATA's accreditation requirements.
Accredited for compliance with ISO/IEC 17025.
NATA accreditation does not cover the performance of this service.
Tests marked with a "*" are subcontracted.