

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

29-April-2016

**Town of the Blue Mountains**

Attn : Jeffery Fletcher

**Date Rec. :** 22 April 2016  
**LR Report:** CA12782-APR16

32 Mill Street, PO Box 310  
Thornbury, ON  
N0H 2P0,

**Copy:** #1

Phone: 519-599-3131  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: East Cell Landfill Leachate
Sample Date & Time					21-Apr-16 11:30
Sampled By					Jeff Fletcher
Temperature Upon Receipt [°C]	---	---	---	---	17.0
Total Suspended Solids [mg/L]	26-Apr-16	14:52	27-Apr-16	15:38	9
Biochemical Oxygen Demand (BOD5) [mg/L]	22-Apr-16	16:07	27-Apr-16	16:14	5
Alkalinity [mg/L as CaCO3]	28-Apr-16	17:54	29-Apr-16	09:44	129
Conductivity [uS/cm]	28-Apr-16	17:54	29-Apr-16	09:44	317
pH [no unit]	28-Apr-16	17:54	29-Apr-16	09:44	8.15
Carbonate [mg/L as CaCO3]	28-Apr-16	17:54	29-Apr-16	09:44	< 2
Bicarbonate [mg/L as CaCO3]	28-Apr-16	17:54	29-Apr-16	09:44	129
Chemical Oxygen Demand [mg/L]	27-Apr-16	11:50	29-Apr-16	12:30	99
Dissolved Organic Carbon [mg/L]	22-Apr-16	21:00	25-Apr-16	16:22	6.4
4AAP-Phenolics [mg/L]	26-Apr-16	14:00	27-Apr-16	12:10	0.002
Ammonia+Ammonium (N) [mg/L]	22-Apr-16	21:00	26-Apr-16	15:50	0.1
Total Kjeldahl Nitrogen [as N mg/L]	22-Apr-16	21:00	27-Apr-16	14:56	1.0
Organic Nitrogen [mg/L]	22-Apr-16	21:00	27-Apr-16	14:56	0.9
Chloride [mg/L]	27-Apr-16	16:11	28-Apr-16	14:38	7
Sulphate [mg/L]	27-Apr-16	16:11	28-Apr-16	14:38	24
Nitrite (as N) [mg/L]	26-Apr-16	11:20	27-Apr-16	13:51	< 0.03
Nitrate (as N) [mg/L]	26-Apr-16	11:20	27-Apr-16	13:51	0.46
Mercury (total) [mg/L]	26-Apr-16	06:59	26-Apr-16	09:47	< 0.00001
Hardness [mg/L as CaCO3]	26-Apr-16	12:08	27-Apr-16	14:31	167
Arsenic (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.0006
Barium (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.0154
Boron (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.046
Cadmium (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.000028
Calcium (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	47.7
Chromium (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.00048
Copper (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.00361
Iron (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.200
Lead (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.00052
Magnesium (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	11.7
Manganese (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.0307
Phosphorus (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.059
Potassium (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	7.07
Sodium (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	5.37



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Zinc (total) [mg/L]	26-Apr-16	12:08	27-Apr-16	14:31	0.006
Naphthalene [ug/L]	25-Apr-16	08:34	29-Apr-16	11:43	< 0.5
Benzene [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.5
Carbon tetrachloride [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.2
1,2-Dichlorobenzene [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.5
1,4-Dichlorobenzene [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.5
1,1-Dichloroethane [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.5
Ethylbenzene [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.5
Toluene [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.5
Vinyl Chloride [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.2
Xylene (total) [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.5
o-xylene [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.5
m/p-xylene [ug/L]	22-Apr-16	16:30	26-Apr-16	12:43	< 0.5
Cation sum [meq/L]	---	---	---	---	3.77
Anion Sum [meq/L]	---	---	---	---	3.28
Anion-Cation Balance [% difference]	---	---	---	---	6.95
Total Dissolved Solids (calculated) [mg/L]	---	---	---	---	181
Conductivity (calculated) [uS/cm]	---	---	---	---	353



*Carrie Greenlaw  
Project Specialist  
Environmental Services, Analytical*