

***Lemna minor* Growth Inhibition Test Data**Client Name: Golder Associates Ltd.Job# / Sample #: C039804Sample ID: VariousStart Date: June 12, 2020Analyst(s): M. BrassilEnd Date: June 19, 2020

Conc. & Replicate	Initial Number of Fronds	Final Number of Fronds	Frond Increase	Mean Increase in # Fronds per Conc'n	SD	% Stimulation
Control-A	6	67	61	64.5	4.8	--
B	6	73	67			
C	6	66	60			
D	6	76	70			
Site Control-A	6	78	72	73.5	3.1	13.95
B	6	83	77			
C	6	81	75			
D	6	76	70			
Soft Water Ctrl-A	6	73	67	75.3	12.3	16.67
B	6	69	63			
C	6	88	82			
D	6	95	89			
MEL-02-05 97.0-A	6	103	97	86.0	9.8	33.33
B	6	96	90			
C	6	80	74			
D	6	89	83			
MEL-03-02 97.0-A	6	90	84	72.8	9.2	12.79
B	6	76	70			
C	6	68	62			
D	6	81	75			
MEL-04-05 97.0-A	6	77	71	78.3	12.1	21.32
B	6	71	65			
C	6	94	88			
D	6	95	89			
MEL-05-04 97.0-A	6	76	70	75.0	7.6	16.28
B	6	73	67			
C	6	87	81			
D	6	88	82			
Analyst	MB	MB				

N/S - No growth stimulation (frond increase) compared to the Control

Control Validity Criteria: Mean final # of fronds in Controls on day 7 must be ≥ 8 times initial # of fronds

Mean Final # of Fronds on Day 7	70.5
Control Frond Increase	11.8
Validity Criteria Met?	Yes

***Lemna minor* Growth Inhibition Test Data**Client Name: Golder Associates Ltd.Job# / Sample #: C039804 XX3644Sample ID: MEL-13-01Start Date: June 12, 2020Analyst(s): M. BrassilEnd Date: June 19, 2020

Conc. & Replicate	Initial Number of Fronds	Final Number of Fronds	Frond Increase	Mean Increase in # Fronds per Conc'n	SD	% Stimulation
Control-A	6	62	56	60.5	3.7	--
B	6	66	60			
C	6	67	61			
D	6	71	65			
Site Control-A	6	72	66	70.8	5.7	16.94
B	6	85	79			
C	6	74	68			
D	6	76	70			
1.5%-A	6	73	67	71.5	9.0	18.18
B	6	91	85			
C	6	72	66			
D	6	74	68			
3.0%-A	6	82	76	73.0	2.4	20.66
B	6	76	70			
C	6	79	73			
D	6	79	73			
6.0%-A	6	76	70	69.8	5.8	15.29
B	6	77	71			
C	6	68	62			
D	6	82	76			
12.1%-A	6	85	79	76.3	3.1	26.03
B	6	82	76			
C	6	78	72			
D	6	84	78			
24.2%-A	6	68	62	75.5	12.1	24.79
B	6	78	72			
C	6	97	91			
D	6	83	77			
48.5%-A	6	81	75	75.0	7.3	23.97
B	6	84	78			
C	6	71	65			
D	6	88	82			
97%-A	6	79	73	71.5	7.0	18.18
B	6	78	72			
C	6	68	62			
D	6	85	79			
Analyst	NS	MB				

N/S - No growth stimulation (frond increase) compared to the Control

Control Validity Criteria: Mean final # of fronds in Controls on day 7 must be ≥ 8 times initial # of fronds

Mean Final # of Fronds on Day 7	66.5
Control Frond Increase	11.1
Validity Criteria Met?	Yes

***Lemna minor* Growth Inhibition Test Data**Client Name: Golder Associates Ltd.Job# / Sample #: C039804 XX3665Sample ID: MEL-13-07Start Date: June 12, 2020Analyst(s): N. Shergill, M. BrassilEnd Date: June 19, 2020

Conc. & Replicate	Initial Number of Fronds	Final Number of Fronds	Frond Increase	Mean Increase in # Fronds per Conc'n	SD	% Stimulation
Control-A	6	61	55	51.8	6.6	--
B	6	62	56			
C	6	60	54			
D	6	48	42			
Site Control-A	6	66	60	58.8	7.5	13.53
B	6	74	68			
C	6	63	57			
D	6	56	50			
1.5%-A	6	63	57	60.8	8.3	17.39
B	6	72	66			
C	6	75	69			
D	6	57	51			
3.0%-A	6	67	61	62.0	3.9	19.81
B	6	70	64			
C	6	72	66			
D	6	63	57			
6.0%-A	6	63	57	57.8	1.0	11.59
B	6	63	57			
C	6	65	59			
D	6	64	58			
12.1%-A	6	66	60	57.3	9.7	10.63
B	6	67	61			
C	6	71	65			
D	6	49	43			
24.2%-A	6	83	77	64.3	11.5	24.15
B	6	67	61			
C	6	75	69			
D	6	56	50			
48.5%-A	6	72	66	71.3	10.6	37.68
B	6	70	64			
C	6	74	68			
D	6	93	87			
97%-A	6	58	52	52.3	2.9	0.97
B	6	62	56			
C	6	55	49			
D	6	58	52			
Analyst	NS	MB				

N/S - No growth stimulation (frond increase) compared to the Control

Control Validity Criteria: Mean final # of fronds in Controls on day 7 must be ≥ 8 times initial # of fronds

Mean Final # of Fronds on Day 7	57.8
Control Frond Increase	9.6
Validity Criteria Met?	Yes