



GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0128

SampleType:SOIL

Project:

Page-no: 6

ENV BRISBANE

Batch-no: 56836

Sub-batch:0

No-samples:38

Received: 17/07/03

Checked:

Method	Analysis description	Units	LOR	1/22-C15	1/22-C16	1/22-C17
EA-055	Moisture Content (dried @ 103' &			16/07/03		
EG-005T	Arsenic - Total	mg/kg	0.1	25.4	16/07/03	16/07/03
EG-005T	Lead - Total	mg/kg	1	10	30.0	27.1
			1	6	8	6
					7	5

AUSTRALIAN LABORATORY SERVICES P/L

ABN: 84 009 936 029

BRISBANE

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NEWCASTLE

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AUCKLAND

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Fax: 64-9-379 1449



GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER
 YourOrder: GJ0128
 SampleType: SOIL
 Project:

Page-no: 7
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch: 0
 No-samples: 38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C18	1/22-C19	1/22-C20
				16/07/03	16/07/03	16/07/03
EA-055	Moisture Content (dried @ 103' %		0.1	25.3	28.5	25.8
EG-005T	Arsenic - Total	mg/kg	1	8	10	11
EG-005T	Lead - Total	mg/kg	1	9	9	6

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Attention: MR C BUTLER
 YourOrder: GJ0128
 SampleType:SOIL
 Project:

Page-no: 8
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch:0
 No-samples:38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C21	1/22-C22	1/22-C23
EA-055	Moisture Content (dried @ 103° C)	%	0.1	16/07/03	16/07/03	16/07/03
EG-005T	Arsenic - Total	mg/kg	1	17.3	21.3	22.1
EG-005T	Lead - Total	mg/kg	1	8	4	7
				7	4	7

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER
 YourOrder: GJ0128
 SampleType:SOIL
 Project:

Page-no: 9
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch:0
 No-samples:38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	IOR	1/22-C24	1/22-C25	1/22-C26
				16/07/03	16/07/03	16/07/03
EA-055	Moisture Content (dried @ 103' %		0.1	22.2	30.7	28.7
EG-005T	Arsenic - Total	mg/kg	1	5	8	11
EG-005T	Lead - Total	mg/kg	1	7	7	27

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0128

SampleType:SOIL

Project:

Page-no: 10

ENV BRISBANE

Batch-no: 56836

Sub-batch:0

No-samples:38

Received: 17/07/03

Checked:

Method	Analysis description	Units	LOR	1/22-C27	1/22-C28	1/22-C29
				16/07/03	16/07/03	16/07/03
EA-055	Moisture Content (dried @ 103' %		0.1	24.9	30.6	20.7
EG-005T	Arsenic - Total	mg/kg	1	6	10	7
EG-005T	Lead - Total	mg/kg	1	8	8	6

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GILBERT & SUTHERLAND PTY LTD

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YourOrder: GJ0128

SampleType:SOIL

Project:

Page-no: 11

ENV BRISBANE

Batch-no: 56836

Sub-batch:0

No-samples:38

Received: 17/07/03

Checked:

Method	Analysis description	Units	LOR	1/22-C30	1/22-C31	1/22-C32
				16/07/03	16/07/03	16/07/03
EA-055	Moisture Content (dried @ 103' %		0.1	28.9	28.7	29.8
EG-005T	Arsenic - Total	mg/kg	1	7	6	6
EG-005T	Lead - Total	mg/kg	1	9	7	7

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0128

SampleType:SOIL

Project:

Page-no: 12

ENV BRISBANE

Batch-no: 56836

Sub-batch:0

No-samples:38

Received: 17/07/03

Checked:

Method	Analysis description	Units	IOR	1/22-C33	1/22-C34	1/22-C35
				16/07/03	16/07/03	16/07/03
EA-055	Moisture Content (dried @ 103' %		0.1	28.5	33.4	34.7
EG-005T	Arsenic - Total	mg/kg	1	13	7	17
EG-005T	Lead - Total	mg/kg	1	7	7	9

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER
 YourOrder: GJ0128
 SampleType:SOIL
 Project:

Page-no: 13
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch:0
 No-samples:38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	IOR	1/22-C36	1/22-S145
				16/07/03	16/07/03
EA-055	Moisture Content (dried @ 103' %		0.1	33.3	33.4
EG-005T	Arsenic - Total	mg/kg	1	7	7
EG-005T	Lead - Total	mg/kg	1	6	8

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CERTIFICATE OF ANALYSIS

CONTACT: MR C BUTLER
 CLIENT: GILBERT & SUTHERLAND PTY LTD
 ADDRESS: P O BOX 4115
 ROBINA QLD 4230
 ORDER No.: GJ0128
 PROJECT:

BATCH: EB56796
 SUB BATCH: 0
 LABORATORY: BRISBANE
 DATE RECEIVED: 16/07/2003
 DATE COMPLETED: 25/07/2003
 SAMPLE TYPE: SOIL
 No. of SAMPLES: 61

COMMENTS

Results apply to sample(s) as submitted. Samples as received digested by USEPA method 200.2 (modified) prior to the determination of metals. Results reported on a dry weight basis. This report supersedes any previous preliminary reports of the same batch number.

NOTES

This is the Final Report and supersedes any preliminary reports with this batch number. All pages of this report have been checked and approved for release.

ISSUING LABORATORY: BRISBANE

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 Email: michael.heery@alsenviro.com

Signatory

LABORATORIES

AUSTRALASIA

Brisbane
 Melbourne
 Sydney
 Newcastle
 Auckland
 Hong Kong
 Singapore
 Kuala Lumpur
 Bogor
 Mumbai

AMERICAS

Vancouver
 Santiago
 Antofagasta
 Lima



NATA Accredited Laboratory Number 825

Site: BRISBANE

This Laboratory is accredited by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of accreditation. This document shall not be reproduced except in full.

Batch: EB56796
 Sub Batch: 0
 Date of Issue: 25/07/2003
 Client: GILBERT & SUTHERLAND PTY LTD
 Client Reference:

CERTIFICATE OF ANALYSIS



				SAMPLE IDENTIFICATION									
Laboratory I.D.		1	2	3	4	5	6	7	8	9	10		
Date Sampled		10/07/2003	10/07/2003	10/07/2003	10/07/2003	10/07/2003	10/07/2003	10/07/2003	10/07/2003	10/07/2003	10/07/2003		
UNIT		LOR		2/21-C3	2/21-C4	2/21-C5	2/21-C6	1/21-C1	1/21-C2	1/21-C3	1/21-C4		
METHOD	ANALYSIS DESCRIPTION												
EA-055	Moisture Content (dried @ 103°C)	%	0.1	27.1	28.8	25.4	29.5	28.7	10.1	27.1	28.8	27.6	23.8
EG-005T	Arsenic - Total	mg/kg	1	2	<1	1	2	<1	4	2	<1	2	5
EG-005T	Lead - Total	mg/kg	1	7	7	7	8	8	18	12	8	7	6

Batch:

EB56796

Sub-Batch:

0

Date of Issue:

25/07/2003

Client:

GILBERT & SUTHERLAND PTY LTD

Client Reference:

CERTIFICATE OF ANALYSIS



METHOD		SAMPLE IDENTIFICATION															
		Laboratory I.D.		11	12	13	14	15	16	17	18	19	20				
		Date Sampled		10/07/2003	10/07/2003	10/07/2003	10/07/2003	10/07/2003	10/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003
ANALYSIS DESCRIPTION		UNIT	LOR	1/21-C5	1/21-C6	1/21-C7	1/21-C8	1/21-C9	1/21-C10	1/21-C11	1/21-C12	1/21-C13	1/21-C14				
EA-055	Moisture Content (dried @ 103°C)	%	0.1	25.0	26.4	25.1	24.0	25.8	29.6	28.7	27.7	27.7	26.0				
EG-005T	Arsenic - Total	mg/kg	1	<1	4	2	<1	<1	3	<1	<1	<1	2				
EG-005T	Lead - Total	mg/kg	1	6	6	6	7	6	8	6	6	7	6				

Batch: EB56796
 Sub Batch: 0
 Date of Issue: 25/07/2003
 Client: GILBERT & SUTHERLAND PTY LTD
 Client Reference:

CERTIFICATE OF ANALYSIS



				SAMPLE IDENTIFICATION										
				Laboratory I.D.	21	22	23	24	25	26	27	28	29	30
METHOD	ANALYSIS DESCRIPTION			Date Sampled	21	22	23	24	25	26	27	28	29	30
	UNIT	LOR		11/07/2003	11/07/2003	11/07/2003	15/07/2003	1/72-C1	1/98-C1	1/98-C2	1/98-C3	1/98-C4	1/98-C5	15/07/2003
	%			11/07/2003	11/07/2003	11/07/2003	15/07/2003	1/72-C1	1/98-C1	1/98-C2	1/98-C3	1/98-C4	1/98-C5	15/07/2003
	mg/kg			11/07/2003	11/07/2003	11/07/2003	15/07/2003	1/72-C1	1/98-C1	1/98-C2	1/98-C3	1/98-C4	1/98-C5	15/07/2003
EA-055	Moisture Content (dried @ 103°C)			0.1	26.8	26.3	30.0	26.9	24.7	29.6	23.9	27.8	24.2	24.9
EG-005T	Arsenic - Total			1	<1	7	<1	1	<1	<1	4	4	1	1
EG-005T	Lead - Total			1	7	6	7	7	8	7	8	5	7	7

EB56796

0

25/07/2003

GILBERT & SUTHERLAND PTY LTD

Client Reference:

CERTIFICATE OF ANALYSIS



		SAMPLE IDENTIFICATION											
		Laboratory I.D.		31	32	33	34	35	36	37	38	39	40
		Date Sampled		15/07/2003	15/07/2003	15/07/2003	15/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003
METHOD	ANALYSIS DESCRIPTION	UNIT	LOR	1/98-C7	1/98-C8	1/98-C9	1/98-C10	12/53-C1	12/53-C2	12/53-C3	12/53-C4	12/53-C5	12/53-C6
EA-055	Moisture Content (dried @ 103°C)	%	0.1	25.1	24.2	25.8	26.6	24.7	21.4	22.0	26.0	26.4	24.0
EG-005T	Arsenic - Total	mg/kg	1	3	4	3	6	<1	1	1	<1	<1	<1
EG-005T	Lead - Total	mg/kg	1	8	11	7	6	6	7	8	7	6	8

Batch: EB56796
Sub Batch: 0
Date of Issue: 25/07/2003
Client: GILBERT & SUTHERLAND PTY LTD
Client Reference:

CERTIFICATE OF ANALYSIS



METHOD				SAMPLE IDENTIFICATION														
				ANALYSIS DESCRIPTION		Laboratory I.D.		41	42	43	44	45	46	47	48	49	50	
						UNIT	LOR	Date Sampled		11/07/2003	11/07/2003	11/07/2003	14/07/2003	11/07/2003	11/07/2003	14/07/2003	14/07/2003	14/07/2003
								12/53-C7	12/53-C8	12/53-C9	12/53-C10	12/53-C11	12/53-C12	12/53-C14	12/53-C15	12/53-C16	12/53-C17	
EA-055	Moisture Content (dried @ 103°C)			%	0.1	22.8	24.2	25.2	23.8	25.6	25.1	24.1	27.4	24.2	23.4			
EG-005T	Arsenic - Total			mg/kg	1	4	<1	2	2	3	3	2	8	3	3			
EG-005T	Lead - Total			mg/kg	1	6	7	11	7	8	10	6	9	7	8			

EB56796

25/07/2003

GILBERT & SUTHERLAND PTY LTD

CERTIFICATE OF ANALYSIS



			SAMPLE IDENTIFICATION											
Laboratory I.D.		51	52	53	54	55	56	57	58	59	60			
Date Sampled		14/07/2003	14/07/2003	14/07/2003	14/07/2003	14/07/2003	14/07/2003	14/07/2003	14/07/2003	14/07/2003	14/07/2003			
UNIT		LOR	12/53-C18	12/53-C19	12/53-20	12/53-21	12/53-22	12/53-23	12/53-24	12/53-25	12/53-26	12/53-27		
METHOD	ANALYSIS DESCRIPTION													
EA-055	Moisture Content (dried @ 103°C)	%	0.1	25.2	22.3	25.4	26.3	33.2	30.2	31.3	30.0	28.9	28.6	
EG-005T	Arsenic - Total	mg/kg	1	1	2	4	5	5	8	8	4	2	8	
EG-005T	Lead - Total	mg/kg	1	8	8	8	9	14	7	10	7	7	9	