

BATCH QUALITY CONTROL - CONTROL SPIKE/DUPLICATE

ALS EP-068 : Pesticides

QC LOT No. :

NOCOPS1450

ANALYST N. MAHABIR

MATRIX:

Soils

COMPOUND	Blank Conc	Spike Level	SPIKE QC RESULTS				Control Limits		
			SCS Rec.	DCS Rec.	Average Rec.	RPD	Rec.		RPD
	mg/kg	mg/kg	%		%	%	Low	High	%
EP068C : Triazines									
Simazine	<0.025	0.25	72.9	68.5	70.7	6.22	63.8	110	0 - 20
Atrazine	<0.025	0.25	82.6	80.6	81.6	2.45	57.5	111	0 - 20
EP068D : Pyrethroids									
Cypermethrins(multi peaks)	<0.1	0.25	87.6	82.8	85.2	5.63	76.3	99.2	0 - 20
EP068E : OC Surrogates									
Dibromo-DDE	89.4%	0.5	83	88	85.5	5.85	73.5	109	0 - 20
EP068F : OP Surrogates									
DEF	84.2%	0.5	81.3	82.3	82.1	0.49	74.3	108	0 - 20

COMMENTS:

- 1) The recovery control limits are based on ALS laboratory statistical data (Method QWI-ORG/07)
- 2) The control limits on RPD (relative percent deviation) are fixed.
- 3) * : Recovery or RPD falls outside of the recommended control limits

BATCH QUALITY CONTROL -- MATRIX SPIKE/DUPLICATE							
ALS EP-068 : Semivolatile Organic Compounds							
QC LOT No. :		NOCOPS1450		ANALYST : N. MAHABIR			
MATRIX:		Soils		Sample ID:		EP4279-74	
COMPOUND	Sample Results	Spike Level	SPIKE QC RESULTS				Cont. Limit
			MS	MSD	Average	RPD	RPD
	mg/kg	mg/kg	Rec. %	Rec. %	Rec. %	%	%
EP008A : OC Pesticides							
p- & o-BHC	<0.2	0.25	85.1	81.8	86.2	7.83	0-20
Heptachlor	<0.1	0.25	90.8	85.7	88.3	5.78	0-20
Aldrin	<0.1	0.25	84.4	89.9	87.2	8.3	0-20
Dieldrin	<0.1	0.25	82.8	84.4	83.6	2.15	0-20
Endrin	<0.1	1	85.9	82.3	84.1	4.25	0-20
DDT	<0.1	1	85.8	66.4	66.1	0.908	0-20
EP008B : OP Pesticides							
Diazinon	<0.1	0.25	83.8	88.2	86	5.12	0-20
Chlorpyrifos methyl	<0.1	0.25	80.8	83.8	82	3.88	0-20
Dimethoate ethyl	<0.1	0.25	90.3	78.7	79.5	2.01	0-20
Bromophos ethyl	<0.1	0.25	81.5	83.7	82.4	2.08	0-20
Prothiofos	<0.1	0.25	87.9	82.2	85.1	5.7	0-20
EP008C : OC Surrogates							
Dibromo-DDE	86.5%	0.5	102	87.2	94.6	14.8	0-20
EP008D : OP Surrogates							
DEF	119%	0.5	113	115	114	1.75	0-20

COMMENTS:

- 1) The RPD control limits are fixed
- 2) *: RPD falls outside the recommended control limit.

BATCH QUALITY CONTROL - DUPLICATE					
ALS EP-068 : Pesticides					
QC LOT No. :		NOCOPS1450			
MATRIX :		Soils			
ANALYST:		N. MAHABIR			
COMPOUND	LOR mg/kg	QC DUPLICATE RESULTS			
		ES42791	ES42791	RPD	Cont. Limit
		22	22D		%
		mg/kg	mg/kg		
EP068A : OC Pesticides					
4-BnC	0.025	<0.025	<0.025	n/a	
4-B	0.025	<0.025	<0.025	n/a	
b- & g-5HC	0.05	<0.05	<0.05	n/a	
d-BHC	0.025	<0.025	<0.025	n/a	
Heptachlor	0.025	<0.025	<0.025	n/a	
Aldrin	0.025	<0.025	<0.025	n/a	
Heptachlor epoxide	0.025	<0.025	<0.025	n/a	
Chlordane peak no. 1	0.025	<0.025	<0.025	n/a	
Endosulfan 1	0.025	<0.025	<0.025	n/a	
Chlordane peak no. 2	0.025	<0.025	<0.025	n/a	
Dieldrin	0.025	<0.025	<0.025	n/a	
DDE	0.025	<0.025	<0.025	n/a	
Endrin	0.025	<0.025	<0.025	n/a	
Endosulfan 2	0.025	<0.025	<0.025	n/a	
DDD	0.025	<0.025	<0.025	n/a	
Endrin aldehyde	0.025	<0.025	<0.025	n/a	
Endosulfan sulfate	0.025	<0.025	<0.025	n/a	
DDT	0.1	<0.1	<0.1	n/a	
Endrin ketone	0.025	<0.025	<0.025	n/a	
Methoxychlor	0.1	<0.1	<0.1	n/a	
EP068B : OP Pesticides					
Demeton	0.025	<0.025	<0.025	n/a	
Demeton-s-methyl	0.025	<0.025	<0.025	n/a	
Monocrotophos	0.1	<0.1	<0.1	n/a	
D-methoate	0.025	<0.025	<0.025	n/a	
Diazinon	0.025	<0.025	<0.025	n/a	
Chlorpyrifos methyl	0.025	<0.025	<0.025	n/a	
Parathion methyl	0.1	<0.1	<0.1	n/a	
Malathion	0.025	<0.025	<0.025	n/a	
Fenitron	0.025	<0.025	<0.025	n/a	
Chlorpyrifos	0.025	<0.025	<0.025	n/a	
Parathion	0.1	<0.1	<0.1	n/a	
Pirimphos ethyl	0.025	<0.025	<0.025	n/a	
Chlorfenvinphos E	0.025	<0.025	<0.025	n/a	
Chlorfenvinphos Z	0.025	<0.025	<0.025	n/a	
Bromophos ethyl	0.025	<0.025	<0.025	n/a	
Fenamiphos	0.025	<0.025	<0.025	n/a	
Prothiofos	0.025	<0.025	<0.025	n/a	
Ethion	0.025	<0.025	<0.025	n/a	
Carbofenthion	0.025	<0.025	<0.025	n/a	
Azinphos methyl	0.025	<0.025	<0.025	n/a	

BATCH QUALITY CONTROL - DUPLICATE

ALS EP-055 : Pesticides

LOT NO: NCCOPS1450
 MATRIX: Soil
 ANALYST: N. MAHABIR

COMPOUND	LOR mg/kg	QC DUPLICATE RESULTS			
		ES42791	ES42791	RPD	Cont. limit
		22	22D		
		mg/kg	mg/kg	%	
EP0550: Aldrin					
Chlorpyrifos	0.025	<0.025	<0.025	n/a	
Permethrin	0.025	<0.025	<0.025	n/a	
EP0550: Pyrethroids					
Cypermethrin (multiple peaks)	0.1	<0.1	<0.1	n/a	
EP0550: OC Surrogates					
Dibromo-DDE	1%	84.2%	90.1%	6.77	0 - 20
EP0550: OC Surrogates					
DEP	1%	121%	121%	0	0 - 20

Note: The permitted range for RPD (relative percent deviation) is specified in ALS Method QV4-EN158 and is dependent on the magnitude of results in comparison to the level of reporting.

Result < 10 times LOR, no limit

Result between 10 and 20 times LOR, 0% - 50%

Results > 20 times LOR, 0% - 20%.

BATCH QUALITY CONTROL - DUPLICATE

ALS EP-068 : Pesticides

QC LOT No.:

NOCOPS1450

MATRIX:

Soils

ANALYST:

N. MAHABIR

COMPOUND	LOR mg/kg	QC DUPLICATE RESULTS			
		ES42791 24	ES42791 24D	RPD	Cont. Limit
		mg/kg	mg/kg		%
EP059A : OC Pesticides					
a-BHC	0.025	<0.025	<0.025	n/a	
HCB	0.025	<0.025	<0.025	n/a	
b- & g-BHC	0.05	<0.05	<0.05	n/a	
d-BHC	0.025	<0.025	<0.025	n/a	
Heptachlor	0.025	<0.025	<0.025	n/a	
Aldrin	0.025	<0.025	<0.025	n/a	
Heptachlor epoxide	0.025	<0.025	<0.025	n/a	
Chlordane peak no 1	0.025	<0.025	<0.025	n/a	
Endosulfan 1	0.025	<0.025	<0.025	n/a	
Chlordane peak no 2	0.025	<0.025	<0.025	n/a	
Dieldrin	0.025	<0.025	<0.025	n/a	
DDE	0.025	<0.025	<0.025	n/a	
Endrin	0.025	<0.025	<0.025	n/a	
Endosulfan 2	0.025	<0.025	<0.025	n/a	
DDD	0.025	<0.025	<0.025	n/a	
Endrin aldehyde	0.025	<0.025	<0.025	n/a	
Endosulfan sulfate	0.025	<0.025	<0.025	n/a	
DDT	0.1	<0.1	<0.1	n/a	
Endrin ketone	0.025	<0.025	<0.025	n/a	
Methoxychlor	0.1	<0.1	<0.1	n/a	
EP059B : OP Pesticides					
Dichlorvos	0.025	<0.025	<0.025	n/a	
Demeton-s-methyl	0.025	<0.025	<0.025	n/a	
Monocrotophos	0.1	<0.1	<0.1	n/a	
Dimethoate	0.025	<0.025	<0.025	n/a	
Diazinon	0.025	<0.025	<0.025	n/a	
Chlorpyrifos methyl	0.025	<0.025	<0.025	n/a	
Parathion methyl	0.1	<0.1	<0.1	n/a	
Malathion	0.025	<0.025	<0.025	n/a	
Fenitrothion	0.025	<0.025	<0.025	n/a	
Chlorpyrifos	0.025	<0.025	<0.025	n/a	
Parathion	0.1	<0.1	<0.1	n/a	
Phosphor ethyl	0.025	<0.025	<0.025	n/a	
Chlorfenvinphos E	0.025	<0.025	<0.025	n/a	
Chlorfenvinphos Z	0.025	<0.025	<0.025	n/a	
Bromophos ethyl	0.025	<0.025	<0.025	n/a	
Fenamphos	0.025	<0.025	<0.025	n/a	
Prothiofos	0.025	<0.025	<0.025	n/a	
Ethion	0.025	<0.025	<0.025	n/a	
Carbofenthion	0.025	<0.025	<0.025	n/a	
Azinphos methyl	0.025	<0.025	<0.025	n/a	

BATCH QUALITY CONTROL - DUPLICATE

ALS EP-068 : Pesticides

QC LOT No. : NOCOPS1450
 MATRIX : Soils
 ANALYST: N. MAHABIR

COMPOUND		QC DUPLICATE RESULTS			
		ES42791	ES42791	RPD	Cont. Limit
		2A	24D		
LOR					
mg/kg		mg/kg	mg/kg		%
EP068C: Triazines					
Simazine	0.025	<0.025	<0.025	n/a	
Atrazine	0.025	<0.025	<0.025	n/a	
EP068D: Pyrethroids					
Cypermethrins(multi peaks)	0.1	<0.1	<0.1	n/a	
EP068E: QC Surrogate					
Dibromo-DDE	1%	86.5%	86.3%	0.231	0 - 20
EP068F: nCP Surrogate					
DEF	1%	119%	116%	2.55	0 - 20

Note: The permitted range for RPD (relative percent deviation) is specified in ALS Method QWI-EN/38 and is dependent on the magnitude of results in comparison to the level of reporting:

Result < 10 times LOR, no limit.

Result between 10 and 20 times LOR, 0% - 50%.

Results > 20 times LOR, 0% - 20%.

0128

**ALS Environmental**

TO: GILBERT & SUTHERLAND PTY LTD

P O BOX 4115
ROBINA QLD 4230

ATTENTION: MR C BUTLER

SUBJECT: Analytical results.

BATCH: EB59527-0

DATE: 29/10/03

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0128

SampleType:SOIL

Project:

Page-no: 1

ENV BRISBANE

Batch-no: 59527

Sub-batch:0

No-samples:8

Received: 23/10/03

Checked;

Method	Analysis description	Units	LOR	4/58-S53	4/58-S54	4/58-S55
				09/10/03	09/10/03	09/10/03
EA-055	Moisture Content (dried @ 103' %		0.1	25.1	24.5	27.1
EG-005T	Arsenic - Total	mg/kg	1	27	44	16

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.

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0128

SampleType:SOIL

Project:

Page-no: 2

ENV BRISBANE

Batch-no: 59527

Sub-batch:0

No-samples:8

Received: 23/10/03

Checked:

Method	Analysis description	Units	IOR	4/58-S56	4/58-S57	4/58-S58
				09/10/03	09/10/03	09/10/03
EA-055	Moisture Content (dried @ 103' %		0.1	27.9	30.2	29.7
EG-005T	Arsenic - Total	mg/kg	1	8	43	54

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0120

SampleType:SOIL

Project:

Page-no: 3

ENV BRISBANE

Batch-no: 59527

Sub-batch: 0

No-samples: 8

Received: 23/10/03

Checked:

Method	Analysis description	Units	IOR	4/58-S59	4/58-S60
EA-055	Moisture Content (dried @ 103° &		0.1	09/10/03	09/10/03
EG-005T	Arsenic - Total	mg/kg	1	27.4	25.5
				12	15

AUSTRALIAN LABORATORY SERVICES P/L

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**Soil Contamination
Assessment for
'Area E' Properties
Terranora**

**Volume 2 -
Laboratory Results**

Prepared for
Meticon Queensland Pty Ltd

October, 2003

Originating office:

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Robina Town Centre Drive, Robina Q4230
PO Box 4115, Robina Q4226
Telephone 07 5578 9944
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gsrobina@bigpond.com

Also at Kawana and Ballina

**ALS Environmental**

TO: GILBERT & SUTHERLAND PTY LTD

P O BOX 4115
ROBINA QLD 4230

ATTENTION: MR C BUTLER

SUBJECT: Analytical results.

BATCH: EB56836-0

DATE: 24/07/03

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0128

SampleType:SOIL

Project:

Page-no: 1

ENV BRISBANE

Batch-no: 56836

Sub-batch:0

No-samples:38

Received: 17/07/03

Checked:

Method	Analysis description	Units	IOR	12/53-C13	1/22-C1	1/22-C2
				16/07/03	15/07/03	15/07/03
EA-055	Moisture Content (dried @ 103' %		0.1	23.4	23.2	23.1
EG-005T	Arsenic - Total	mg/kg	1	8	8	7
EG-005T	Lead - Total	mg/kg	1	8	7	7

Results apply to sample(s) as submitted. Samples thoroughly homogenised prior to testing. Samples as received digested by USEPA method 200.2 (modified) prior to the determination of metals. Results reported on a dry weight basis.

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER
 YourOrder: CJ0128
 SampleType: SOIL
 Project:

Page-no: 2
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch: 0
 No-samples: 38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C3	1/22-C4	1/22-C5
				15/07/03	15/07/03	15/07/03
EA-055	Moisture Content (dried @ 103°) %		0.1	20.4	20.8	18.4
EG-005T	Arsenic - Total	mg/kg	1	12	11	9
EG-005T	Lead - Total	mg/kg	1	6	8	7

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

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

Page-no: 3
ENV BRISBANE
Batch-no: 56836
Sub-batch:0
No-samples:38
Received: 17/07/03
Checked:

Method	Analysis description	Units	LOR	1/22-C6	1/22-C7	1/22-C8
				15/07/03	15/07/03	15/07/03
EA-055	Moisture Content (dried @ 103' %		0.1	22.6	27.5	25.7
EG-005T	Arsenic - Total	mg/kg	1	9	18	21
EG-005T	Lead - Total	mg/kg	1	7	7	8

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

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

Page-no: 4
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch: 0
 No-samples: 38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C9	1/22-C10	1/22-C11
				15/07/03	15/07/03	15/07/03
EA-055	Moisture Content (dried @ 103' %		0.1	23.1	25.8	24.2
EG-005T	Arsenic - Total	mg/kg	1	11	18	25
EG-005T	Lead - Total	mg/kg	1	7	8	8

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

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

Page-no: 5
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch: 0
 No-samples: 38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C12	1/22-C13	1/22-C14
				15/07/03	16/07/03	16/07/03
EA-055	Moisture Content (dried @ 103°) %		0.1	19.1	29.3	26.5
EG-005T	Arsenic - Total	mg/kg	1	12	8	7
EG-005T	Lead - Total	mg/kg	1	7	7	7

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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

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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

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

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° &		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

AUSTRALIAN LABORATORY SERVICES P/L

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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

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0128

SampleType:SOIL

Project:

Page-no: 10

ENV BRISBANE

Batch-no: 56036

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

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER
 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

AUSTRALIAN LABORATORY SERVICES P/L

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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	LOR	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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Signatory

LABORATORIES

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Sydney
Newcastle
Auckland

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Singapore
Kuala Lumpur
Bogor
Mumbai

AMERICAS

Vancouver
Santiago
Antofagasta
Lima



NATA Accredited Laboratory Number 825
Site: BRISBANE

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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											
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



		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	11/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003		
METHOD	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		
Date Sampled			11/07/2003	11/07/2003	11/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003		
UNIT			LOR	1/21-C15	1/21-C16	1/21-C17	1/72-C1	1/98-C1	1/98-C2	1/98-C3	1/98-C4	1/98-C5	1/98-C6	
METHOD	ANALYSIS DESCRIPTION		UNIT											
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		mg/kg	1	<1	7	<1	1	<1	<1	4	4	1	1
EG-005T	Lead - Total		mg/kg	1	7	6	7	7	8	7	8	5	7	7

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.		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	11/07/2003	11/07/2003
UNIT		LOR											
METHOD	ANALYSIS DESCRIPTION												
	EA-055	Moisture Content (dried @ 103°C)	0.1	24.2	25.8	26.6	24.7	21.4	22.0	26.0	26.4	24.0	
	EG-005T	Arsenic - Total	1	4	3	6	<1	1	1	<1	<1	<1	
	EG-005T	Lead - Total	1	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



			SAMPLE IDENTIFICATION											
			Laboratory I.D.		41	42	43	44	45	46	47	48	49	50
			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	14/07/2003
METHOD	ANALYSIS DESCRIPTION		UNIT	LOR	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

Batch:

EB56796

Sub Batch:

0

Date of Issue:

25/07/2003

Client:

GILBERT & SUTHERLAND PTY LTD

Client Reference:

CERTIFICATE OF ANALYSIS



METHOD		ANALYSIS DESCRIPTION		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
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		

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.		Date Sampled		61		15/07/2003		12/53-28	
METHOD	ANALYSIS DESCRIPTION		UNIT	LOR								
EA-055	Moisture	Content (dried @ 103°C)	%	0.1	37.5							
EG-005T	Arsenic	- Total	mg/kg	1	53							
EG-005T	Lead	- Total	mg/kg	1	6							

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

QUALITY CONTROL REPORT



METHOD		ANALYSIS DESCRIPTION	SAMPLE IDENTIFICATION									
			Laboratory I.D.	200	201	300	301	400	401	61	61	
		Date Sampled	15/07/2003	15/07/2003	16/07/2003	16/07/2003	16/07/2003	16/07/2003	16/07/2003	15/07/2003	15/07/2003	
		UNIT	LOR	Method Blank 1	Inorg 1 LCS % Rec	Method Blank 2	Inorg 2 LCS % Rec	Method Blank 3	Inorg 3 LCS % Rec	12/53-28 Check 1	12/53-28 Check 2	
CHECKS AND SPIKES												
EA-055		Moisture Content (dried @ 103°C)	0.1	----	----	----	----	----	----	37.1	37.1	
EG-005T		Arsenic - Total	1	<1	101%	<1	102%	<1	102%	6	5	
EG-005T		Lead - Total	1	<1	106%	<1	108%	<1	107%	23	12	



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: 1
LABORATORY: BRISBANE
DATE RECEIVED: 16/07/2003
DATE COMPLETED: 25/07/2003
SAMPLE TYPE: SOIL
No. of SAMPLES: 61

COMMENTS

Samples analysed on an as received basis. Results reported on a dry weight basis. Results apply to sample(s) as submitted.

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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Signatory

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Auckland

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Bogor
Mumbai

AMERICAS

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Santiago
Antofagasta
Lima



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Site: BRISBANE

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Batch: EB56796
Sub Batch: 1
Date of Issue: 25/07/2003
Client: GILBERT & SUTHERLAND PTY LTD
Client Reference:

CERTIFICATE OF ANALYSIS



Laboratory I.D.			SAMPLE IDENTIFICATION										
METHOD	ANALYSIS DESCRIPTION	UNIT	LOR	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
				2/21-C1	2/21-C2	2/21-C3	2/21-C4	2/21-C5	2/21-C6	1/21-C1	1/21-C2	1/21-C3	1/21-C4
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
EP-068A-SS	ORGANOCHLORINE PESTICIDES												
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	HCB	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.11
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES												
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

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Sub Batch: 1
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		2/21-C1	2/21-C2	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										
EP-0685-SS	Pirimphos-ethyl	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	Chlorfenvinphos E	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	Chlorfenvinphos Z	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	Bromophos-ethyl	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	Fenamiphos	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	Prothiofos	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	Ethion	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	Carbophenothion	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	Azinphos-methyl	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	ORGANOCHLORINE PESTICIDE SURROGATE	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-0685-SS	Dibromo-DDE	%	81	77	83	78	83	88	76	78	73
EP-068T-SS	ORGANOPHOSPHORUS PESTICIDE SURROGATE	%	79	79	85	81	73	76	78	75	71
EP-068T-SS	DEF	%									

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CERTIFICATE OF ANALYSIS



Laboratory I.D.			SAMPLE IDENTIFICATION											
METHOD	ANALYSIS DESCRIPTION	UNIT	LOR	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	11/07/2003	11/07/2003	11/07/2003	11/07/2003	11/07/2003
				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	
EP-068A-SS	ORGANOCHLORINE PESTICIDES													
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	HCB	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	0.08	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES													
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	0.06	<0.05	<0.05	0.10	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Parathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	

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Client Reference:

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METHOD		ANALYSIS DESCRIPTION	SAMPLE IDENTIFICATION												
			Laboratory I.D.		11	12	13	14	15	16	17	18	19	20	
			Date Sampled	UNIT	LOR	10/07/2003 1/21-C5	10/07/2003 1/21-C6	10/07/2003 1/21-C7	10/07/2003 1/21-C8	10/07/2003 1/21-C9	11/07/2003 1/21-C10	11/07/2003 1/21-C11	11/07/2003 1/21-C12	11/07/2003 1/21-C13	11/07/2003 1/21-C14
EP-068B-SS		Pirimphos-ethyl	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Chlorfenvinphos E	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Chlorfenvinphos Z	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Bromophos-ethyl	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Fenamiphos	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Prothiofos	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Ethion	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Carbophenothion	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Azinphos-methyl	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068S-SS		ORGANOCHLORINE PESTICIDE SURROGATE	mg/kg	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068S-SS		Dibromo-DDE	%	1	72	85	102	100	98	95	93	95	70	77	
EP-068T-SS		ORGANOPHOSPHORUS PESTICIDE SURROGATE	%	1	69	84	83	80	83	80	79	77	86	83	
EP-068T-SS		DEF	%												

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Client: GILBERT & SUTHERLAND PTY LTD

Client Reference:

CERTIFICATE OF ANALYSIS



Laboratory I.D.			SAMPLE IDENTIFICATION											
METHOD	ANALYSIS DESCRIPTION	UNIT	LOR	21	22	23	24	25	26	27	28	29	30	
				11/07/2003	11/07/2003	11/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003
				1/21-C15	1/21-C16	1/21-C17	1/72-C1	1/98-C1	1/98-C2	1/98-C3	1/98-C4	1/98-C5	1/98-C6	
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	
EP-068A-SS	ORGANOCHLORINE PESTICIDES													
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	HCB	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	0.09	<0.05	<0.05	<0.05	
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES													
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-068B-SS	Parathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	

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Sub Batch:

1

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
Date Sampled		11/07/2003	11/07/2003	11/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003	15/07/2003
		1/21-C15	1/21-C16	1/21-C17	1/72-C1	1/98-C1	1/98-C2	1/98-C3	1/98-C4	1/98-C5	1/98-C6
METHOD	ANALYSIS DESCRIPTION	UNIT	LOR								
EP-068B-SS	Pirimphos-ethyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorfenvinphos E	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorfenvinphos Z	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Bromophos-ethyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenamiphos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Prothiofos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Ethion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Carbophenothion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Azinphos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068S-SS	ORGANOCHLORINE PESTICIDE SURROGATE										
EP-068S-SS	Dibromo-DDE	%	1	104	98	105	85	95	77	83	84
EP-068T-SS	ORGANOPHOSPHORUS PESTICIDE SURROGATE										
EP-068T-SS	DEF	%	1	118	93	115	112	113	100	112	111

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Client: GILBERT & SUTHERLAND PTY LTD

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CERTIFICATE OF ANALYSIS



METHOD		ANALYSIS DESCRIPTION	Laboratory I.D.		SAMPLE IDENTIFICATION									
			Date Sampled	LOR	31	32	33	34	35	36	37	38	39	40
					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
			UNIT		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
EP-068A-SS		ORGANOCHLORINE PESTICIDES												
EP-068A-SS		alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		HCB	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EP-068A-SS		delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		DDE	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		DDD	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		DDT	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068A-SS		Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS		ORGANOPHOSPHORUS PESTICIDES												
EP-068B-SS		Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS		Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS		Malathion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Parathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Batch:

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Sub Batch:

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Date of Issue:

25/07/2003

Client:

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	31	32	33	34	35	36	37	38	39	40
EP-068B-SS	Pirimphos-ethyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorfenvinphos E	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorfenvinphos Z	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Bromophos-ethyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenamiphos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Prothiofos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Ethion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Carbophenothion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Azinphos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068S-SS	ORGANOCHLORINE PESTICIDE SURROGATE												
EP-068S-SS	Dibromo-DDE	%	1	111	114	104	103	115	89	81	75	98	86
EP-068T-SS	ORGANOPHOSPHORUS PESTICIDE SURROGATE												
EP-068T-SS	DEF	%	1	110	112	103	100	114	112	104	75	103	108

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Date of Issue: 25/07/2003

Client: GILBERT & SUTHERLAND PTY LTD

Client Reference:

CERTIFICATE OF ANALYSIS



METHOD		ANALYSIS DESCRIPTION	Laboratory I.D.		SAMPLE IDENTIFICATION									
			UNIT	LOR	41	42	43	44	45	46	47	48	49	50
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
EP-068A-SS		ORGANOCHLORINE PESTICIDES												
EP-068A-SS		alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		HCB	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EP-068A-SS		delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		DDE	mg/kg	0.05	0.07	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endrin	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		DDD	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		DDT	mg/kg	0.2	<0.2	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068A-SS		Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS		Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS		ORGANOPHOSPHORUS PESTICIDES												
EP-068B-SS		Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Monocrotophosphos	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS		Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS		Malathion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS		Parathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Batch: EB56796
Sub Batch: 1
Date of Issue: 25/07/2003
Client: GILBERT & SUTHERLAND PTY LTD
Client Reference:

CERTIFICATE OF ANALYSIS



		SAMPLE IDENTIFICATION												
METHOD	ANALYSIS DESCRIPTION	Laboratory I.D.		41	42	43	44	45	46	47	48	49	50	
		Date Sampled		11/07/2003	11/07/2003	11/07/2003	14/07/2003	11/07/2003	14/07/2003	14/07/2003	14/07/2003	14/07/2003	14/07/2003	14/07/2003
		UNIT	LOR	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	
EP-058B-SS	Pirimphos-ethyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-058B-SS	Chlorfenvinphos E	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-058B-SS	Chlorfenvinphos Z	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-058B-SS	Bromophos-ethyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-058B-SS	Fenamiphos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-058B-SS	Prothiofos	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-058B-SS	Ethion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-058B-SS	Carbophenothion	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-058B-SS	Azinphos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
EP-058S-SS	ORGANOCHLORINE PESTICIDE SURROGATE													
EP-058S-SS	Dibromo-DDE	%	1	95	81	85	107	89	107	108	92	105	109	
EP-058T-SS	ORGANOPHOSPHORUS PESTICIDE SURROGATE													
EP-058T-SS	DEF	%	1	99	73	86	90	86	81	82	85	93	83	

Batch: EB56796

Sub Batch: 1

Date of Issue: 25/07/2003

Client: GILBERT & SUTHERLAND PTY LTD

Client Reference:

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		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	22.3	25.4	26.3	33.2	30.2	31.3	30.0	28.9	28.6
EP-068A-SS	ORGANOCHLORINE PESTICIDES										
EP-068A-SS	alpha-BHC	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	HCB	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07
EP-068A-SS	Endrin	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES										
EP-068B-SS	Dichlorvos	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimelphate	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Batch: EB56796

Sub Batch: 1

Date of Issue: 25/07/2003

Client: GILBERT & SUTHERLAND PTY LTD

Client Reference:

CERTIFICATE OF ANALYSIS



METHOD		ANALYSIS DESCRIPTION	SAMPLE IDENTIFICATION											
			Laboratory I.D.		51	52	53	54	55	56	57	58	59	60
			Date Sampled	UNIT	LOR	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
EP-068B-SS	Pirimphos-ethyl			mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorfenvinphos E			mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorfenvinphos Z			mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Bromophos-ethyl			mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenamiphos			mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Prothiofos			mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Ethion			mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Carbophenothion			mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068B-SS	Azinphos-methyl			mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-068S-SS	ORGANOCHLORINE PESTICIDE SURROGATE													
EP-068S-SS	Dibromo-DDE			%	1	74	72	72	73	70	73	76	77	73
EP-068T-SS	ORGANOPHOSPHORUS PESTICIDE SURROGATE													
EP-068T-SS	DEF			%	1	83	84	83	86	82	82	91	97	83

Batch: EB56796
Sub Batch: 1
Date of Issue: 25/07/2003
Client: GILBERT & SUTHERLAND PTY LTD
Client Reference:

CERTIFICATE OF ANALYSIS



METHOD		ANALYSIS DESCRIPTION	SAMPLE IDENTIFICATION				
			Laboratory I.D.				
			UNIT	LOR	Date Sampled	61	
EA-055		Moisture Content (dried @ 103°C)	%	0.1	15/07/2003		
EP-068A-SS		ORGANOCHLORINE PESTICIDES			12/53-28		
EP-068A-SS		alpha-BHC	mg/kg	0.05			
EP-068A-SS		HCB	mg/kg	0.05			
EP-068A-SS		beta-BHC & gamma-BHC	mg/kg	0.1			
EP-068A-SS		delta-BHC	mg/kg	0.05			
EP-068A-SS		Heptachlor	mg/kg	0.05			
EP-068A-SS		Aldrin	mg/kg	0.05			
EP-068A-SS		Heptachlor epoxide	mg/kg	0.05			
EP-068A-SS		Chlordane - trans	mg/kg	0.05			
EP-068A-SS		Endosulfan 1	mg/kg	0.05			
EP-068A-SS		Chlordane - cis	mg/kg	0.05			
EP-068A-SS		Dieldrin	mg/kg	0.05			
EP-068A-SS		DDE	mg/kg	0.05			
EP-068A-SS		Endrin	mg/kg	0.05			
EP-068A-SS		Endosulfan 2	mg/kg	0.05			
EP-068A-SS		DDD	mg/kg	0.05			
EP-068A-SS		Endrin aldehyde	mg/kg	0.05			
EP-068A-SS		Endosulfan sulfate	mg/kg	0.05			
EP-068A-SS		DDT	mg/kg	0.2			
EP-068A-SS		Endrin ketone	mg/kg	0.05			
EP-068A-SS		Methoxychlor	mg/kg	0.2			
EP-068B-SS		ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS		Dichlorvos	mg/kg	0.05			
EP-068B-SS		Demeton-S-methyl	mg/kg	0.05			
EP-068B-SS		Monocrotophosph	mg/kg	0.2			
EP-068B-SS		Dimethoate	mg/kg	0.05			
EP-068B-SS		Diazinon	mg/kg	0.05			
EP-068B-SS		Chlorpyrifos-methyl	mg/kg	0.05			
EP-068B-SS		Parathion-methyl	mg/kg	0.2			
EP-068B-SS		Malathion	mg/kg	0.05			
EP-068B-SS		Fenthion	mg/kg	0.05			
EP-068B-SS		Chlorpyrifos	mg/kg	0.05			
EP-068B-SS		Parathion	mg/kg	0.2			

EB56796

Sub Batch:

1

Date of Issue:

25/07/2003

Client

GILBERT & SUTHERLAND PTY LTD

Client Reference:

CERTIFICATE OF ANALYSIS



SAMPLE IDENTIFICATION			
Laboratory I.D.		61	
Date Sampled		15/07/2003	
12/53-28			
METHOD	ANALYSIS DESCRIPTION	UNIT	LOR
EP-068B-SS	Pirimphos-ethyl	mg/kg	<0.05
EP-068B-SS	Chlorfenvinphos E	mg/kg	<0.05
EP-068B-SS	Chlorfenvinphos Z	mg/kg	<0.05
EP-068B-SS	Bromophos-ethyl	mg/kg	<0.05
EP-068B-SS	Fenamiphos	mg/kg	<0.05
EP-068B-SS	Prothiofos	mg/kg	<0.05
EP-068B-SS	Ethion	mg/kg	<0.05
EP-068B-SS	Carbofenothion	mg/kg	<0.05
EP-068B-SS	Azinphos-methyl	mg/kg	<0.05
EP-068S-SS	ORGANOCHLORINE PESTICIDE SURROGATE		
EP-068S-SS	Dibromo-DDE	%	79
EP-068T-SS	ORGANOPHOSPHORUS PESTICIDE SURROGATE		
EP-068T-SS	DEF	%	78

Batch: EB56796

Sub Batch: 1

Date of Issue: 25/07/2003

Client: GILBERT & SUTHERLAND PTY LTD

Client Reference:

QUALITY CONTROL REPORT



METHOD		ANALYSIS DESCRIPTION	SAMPLE IDENTIFICATION															
			Laboratory I.D.		200	406	407	300	506	507	400	505	607	500				
			Date Sampled	14/07/2003	Method Blank 1	OCOPS1401 SCS % Rec	OCOPS1401 DCS % Rec	Method Blank 1	OCOPS1402 SCS % Rec	OCOPS1402 DCS % Rec	Method Blank 1	OCOPS1403 SCS % Rec	OCOPS1403 DCS % Rec	Method Blank 1				
			UNIT	LOR	CHECKS AND SPIKES													
			%	0.1														
EA-055		Moisture Content (dried @ 103°C)																
EP-068A-SS		ORGANOCHLORINE PESTICIDES																
EP-068A-SS		alpha-BHC	mg/kg	0.05	<0.05	75.2%	74.1%	<0.05	82.1%	85.4%	<0.05	83.4%	83.0%	<0.05				
EP-068A-SS		HCB	mg/kg	0.05	<0.05	76.5%	78.5%	<0.05	84.0%	87.4%	<0.05	88.0%	83.4%	<0.05				
EP-068A-SS		beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	80.1%	80.2%	<0.1	87.2%	90.1%	<0.1	86.5%	84.9%	<0.1				
EP-068A-SS		delta-BHC	mg/kg	0.05	<0.05	79.6%	82.0%	<0.05	87.8%	90.0%	<0.05	84.5%	84.5%	<0.05				
EP-068A-SS		Heptachlor	mg/kg	0.05	<0.05	79.2%	83.0%	<0.05	97.6%	98.4%	<0.05	82.8%	82.5%	<0.05				
EP-068A-SS		Aldrin	mg/kg	0.05	<0.05	80.4%	82.7%	<0.05	87.1%	91.0%	<0.05	84.2%	83.2%	<0.05				
EP-068A-SS		Heptachlor epoxide	mg/kg	0.05	<0.05	79.5%	82.3%	<0.05	88.9%	84.7%	<0.05	80.9%	82.1%	<0.05				
EP-068A-SS		Chlordane - trans	mg/kg	0.05	<0.05	81.2%	88.4%	<0.05	90.0%	87.4%	<0.05	78.7%	83.1%	<0.05				
EP-068A-SS		Endosulfan 1	mg/kg	0.05	<0.05	86.0%	84.2%	<0.05	102%	101%	<0.05	92.9%	97.3%	<0.05				
EP-068A-SS		Chlordane - cis	mg/kg	0.05	<0.05	82.1%	87.1%	<0.05	91.1%	91.2%	<0.05	81.5%	84.5%	<0.05				
EP-068A-SS		Dieldrin	mg/kg	0.05	<0.05	83.4%	89.4%	<0.05	90.3%	87.9%	<0.05	83.7%	83.1%	<0.05				
EP-068A-SS		DDE	mg/kg	0.05	<0.05	85.0%	85.8%	<0.05	86.4%	84.4%	<0.05	77.5%	80.6%	<0.05				
EP-068A-SS		Endrin	mg/kg	0.05	<0.05	89.6%	89.9%	<0.05	93.9%	97.1%	<0.05	89.1%	88.6%	<0.05				
EP-068A-SS		Endosulfan 2	mg/kg	0.05	<0.05	80.9%	82.8%	<0.05	92.4%	92.6%	<0.05	81.2%	81.8%	<0.05				
EP-068A-SS		DDD	mg/kg	0.05	<0.05	84.1%	86.6%	<0.05	95.9%	91.7%	<0.05	86.9%	87.7%	<0.05				
EP-068A-SS		Endrin aldehyde	mg/kg	0.05	<0.05	73.7%	77.6%	<0.05	85.0%	84.2%	<0.05	81.2%	79.6%	<0.05				
EP-068A-SS		Endosulfan sulfate	mg/kg	0.05	<0.05	96.5%	99.9%	<0.05	87.6%	84.2%	<0.05	85.2%	87.6%	<0.05				
EP-068A-SS		DDT	mg/kg	0.2	<0.2	93.0%	93.6%	<0.2	88.9%	82.8%	<0.2	90.5%	90.5%	<0.2				
EP-068A-SS		Endrin ketone	mg/kg	0.05	<0.05	92.9%	95.8%	<0.05	98.2%	95.0%	<0.05	86.1%	86.6%	<0.05				
EP-068A-SS		Methoxychlor	mg/kg	0.2	<0.2	65.3%	65.8%	<0.2	96.2%	91.2%	<0.2	82.4%	80.8%	<0.2				
EP-068B-SS		ORGANOPHOSPHORUS PESTICIDES																
EP-068B-SS		Dichlorvos	mg/kg	0.05	<0.05	61.5%	66.9%	<0.05	77.3%	79.1%	<0.05	86.1%	81.1%	<0.05				
EP-068B-SS		Demeton-S-methyl	mg/kg	0.05	<0.05	71.4%	74.9%	<0.05	82.8%	84.0%	<0.05	82.2%	78.9%	<0.05				
EP-068B-SS		Monocrotophos	mg/kg	0.2	<0.2	88.8%	91.0%	<0.2	87.4%	85.1%	<0.2	96.7%	94.4%	<0.2				
EP-068B-SS		Dimethoate	mg/kg	0.05	<0.05	82.9%	84.4%	<0.05	89.2%	86.5%	<0.05	83.6%	84.8%	<0.05				
EP-068B-SS		Diazinon	mg/kg	0.05	<0.05	81.1%	79.5%	<0.05	91.7%	89.1%	<0.05	85.4%	81.9%	<0.05				
EP-068B-SS		Chlorpyrifos-methyl	mg/kg	0.05	<0.05	81.6%	83.4%	<0.05	91.2%	91.8%	<0.05	84.1%	83.0%	<0.05				
EP-068B-SS		Parathion-methyl	mg/kg	0.2	<0.2	86.2%	88.6%	<0.2	87.1%	90.9%	<0.2	84.2%	83.2%	<0.2				
EP-068B-SS		Malathion	mg/kg	0.05	<0.05	81.6%	82.7%	<0.05	95.0%	88.1%	<0.05	85.9%	83.5%	<0.05				
EP-068B-SS		Fenthion	mg/kg	0.05	<0.05	79.2%	80.7%	<0.05	88.3%	88.8%	<0.05	84.0%	81.6%	<0.05				

Batch: EB56796

Sub Batch: 1

Date of Issue: 25/07/2003

Client: GILBERT & SUTHERLAND PTY LTD

Client Reference:

QUALITY CONTROL REPORT



METHOD		ANALYSIS DESCRIPTION	Laboratory I.D.		SAMPLE IDENTIFICATION									
			Date Sampled		200	406	407	300	506	507	400	606	607	500
		UNIT	LOR		Method Blank 1	OCOPS1401 SCS % Rec	OCOPS1401 DCS % Rec	Method Blank 1	OCOPS1402 SCS % Rec	OCOPS1402 DCS % Rec	Method Blank 1	OCOPS1403 SCS % Rec	OCOPS1403 DCS % Rec	Method Blank 1
CHECKS AND SPIKES														
EP-068B-SS	Chlorpyrifos	mg/kg	0.05		<0.05	82.6%	84.5%	<0.05	92.1%	90.9%	<0.05	86.6%	90.9%	<0.05
EP-068B-SS	Parathion	mg/kg	0.2		<0.2	85.8%	89.2%	<0.2	95.2%	101%	<0.2	90.6%	88.5%	<0.2
EP-068B-SS	Pirimphos-ethyl	mg/kg	0.05		<0.05	80.0%	79.6%	<0.05	86.4%	86.1%	<0.05	88.4%	84.8%	<0.05
EP-068B-SS	Chlorfenvinphos E	mg/kg	0.05		<0.05	----	----	<0.05	----	----	<0.05	----	----	<0.05
EP-068B-SS	Chlorfenvinphos Z	mg/kg	0.05		<0.05	82.3%	84.3%	<0.05	95.7%	89.5%	<0.05	83.8%	88.1%	<0.05
EP-068B-SS	Bromophos-ethyl	mg/kg	0.05		<0.05	77.8%	81.4%	<0.05	93.2%	91.6%	<0.05	86.7%	89.0%	<0.05
EP-068B-SS	Fenamiphos	mg/kg	0.05		<0.05	81.7%	84.7%	<0.05	92.5%	92.4%	<0.05	83.3%	85.7%	<0.05
EP-068B-SS	Prothiofos	mg/kg	0.05		<0.05	82.0%	87.3%	<0.05	89.2%	86.0%	<0.05	89.6%	87.6%	<0.05
EP-068B-SS	Ethion	mg/kg	0.05		<0.05	84.5%	85.0%	<0.05	96.4%	95.3%	<0.05	94.2%	91.5%	<0.05
EP-068B-SS	Carbophenothion	mg/kg	0.05		<0.05	89.8%	96.9%	<0.05	94.8%	92.8%	<0.05	90.2%	91.5%	<0.05
EP-068B-SS	Azinphos-methyl	mg/kg	0.05		<0.05	109%	106%	<0.05	92.1%	82.2%	<0.05	69.2%	69.4%	<0.05
EP-068S-SS	ORGANOCHLORINE PESTICIDE SURROGATE													
EP-068S-SS	Dibromc-DDE	%	1		74	75	75	81	82	86	79	84	81	84
EP-068T-SS	ORGANOPHOSPHORUS PESTICIDE SURROGATE													
EP-068T-SS	DEF	%	1		73	73	74	77	77	78	82	79	76	79

Batch: EB56796
Sub Batch: 1
Date of Issue: 25/07/2003
Client: GILBERT & SUTHERLAND PTY LTD
Client Reference:

QUALITY CONTROL REPORT



SAMPLE IDENTIFICATION			
Laboratory I.D.		706	707
Date Sampled		14/07/2003	14/07/2003
UNIT		OCOPS1404	OCOPS1404
LOR		SCS % Rec	DCS % Rec
CHECKS AND SPIKES			
METHOD	ANALYSIS DESCRIPTION	UNIT	LOR
EA-055	Moisture Content (dried @ 103°C)	%	0.1
EP-068A-SS	ORGANOCHLORINE PESTICIDES		
EP-068A-SS	alpha-BHC	mg/kg	0.05
EP-068A-SS	HCB	mg/kg	0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1
EP-068A-SS	delta-BHC	mg/kg	0.05
EP-068A-SS	Heptachlor	mg/kg	0.05
EP-068A-SS	Aldrin	mg/kg	0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05
EP-068A-SS	Dieldrin	mg/kg	0.05
EP-068A-SS	DDE	mg/kg	0.05
EP-068A-SS	Endrin	mg/kg	0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05
EP-068A-SS	DDD	mg/kg	0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05
EP-068A-SS	DDT	mg/kg	0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES		
EP-068B-SS	Dichlorvos	mg/kg	0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2
EP-068B-SS	Dimethoate	mg/kg	0.05
EP-068B-SS	Diazinon	mg/kg	0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2
EP-068B-SS	Malathion	mg/kg	0.05
EP-068B-SS	Fenthion	mg/kg	0.05

Batch: EB56796

Sub Batch: 1

Date of Issue: 25/07/2003

Client: GILBERT & SUTHERLAND PTY LTD

Client Reference:

QUALITY CONTROL REPORT



Laboratory I.D.					SAMPLE IDENTIFICATION							
METHOD		ANALYSIS DESCRIPTION	UNIT	LOR	Date Sampled		706	707				
					OCOPS1404	SCS % Rec	OCOPS1404	DCS % Rec				
CHECKS AND SPIKES												
EP-058B-SS	Chlorpyrifos	mg/kg	0.05		88.9%	89.1%						
EP-068B-SS	Parathion	mg/kg	0.2		85.0%	85.1%						
EP-058B-SS	Phirmpfos-ethyl	mg/kg	0.05		80.2%	81.9%						
EP-058B-SS	Chlorfenvinphos E	mg/kg	0.05		---	---						
EP-068B-SS	Chlorfenvinphos Z	mg/kg	0.05		90.8%	86.7%						
EP-068B-SS	Bromophos-ethyl	mg/kg	0.05		85.3%	86.8%						
EP-068B-SS	Fenamiphos	mg/kg	0.05		87.1%	84.9%						
EP-068B-SS	Prothiofos	mg/kg	0.05		89.9%	88.3%						
EP-068B-SS	Ethion	mg/kg	0.05		87.0%	86.3%						
EP-068B-SS	Carbophenothion	mg/kg	0.05		88.2%	88.2%						
EP-068B-SS	Azinphos-methyl	mg/kg	0.05		88.5%	88.9%						
EP-068S-SS	ORGANOCHLORINE PESTICIDE SURROGATE											
EP-068S-SS	Dibromo-DDE	%	1		85	85						
EP-068T-SS	ORGANOPHOSPHORUS PESTICIDE SURROGATE											
EP-068T-SS	DEF	%	1		78	78						

0108



TO: GILBERT & SUTHERLAND PTY LTD

P O BOX 4115
ROBINA QLD 4230

ATTENTION: MR C BUTLER

SUBJECT: Analytical results.

BATCH: EB56836-1

DATE: 28/07/03

AUSTRALIAN LABORATORY SERVICES P/L

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AUCKLAND

Tel: 64-9-379 9437

Fax: 64-9-379 1449



GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0128

SampleType: SOIL

Project:

Page-no: 1

ENV BRISBANE

Batch-no: 56836

Sub-batch:1

No-samples:38

Received: 17/07/03

Checked:

Method	Analysis description	Units	LOR	12/53-C13	1/22-C1	1/22-C2
				16/07/03	15/07/03	15/07/03
EA-055	Moisture Content (dried @ 103' &		0.1	23.4	23.2	23.1
EP-068A-SS	ORGANOCHLORINE PESTICIDES					
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	ECB	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	0.07	<0.05	<0.05
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05

Results apply to sample(s) as submitted. Samples analysed on an as received basis. Results reported on a dry weight basis.

AUSTRALIAN LABORATORY SERVICES P/L

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Fax: 64-9-379 1449



GILBERT & SUTHERLAND PTY LTD

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

Page-no: 2
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch:1
 No-samples:38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C3	1/22-C4	1/22-C5
EA-055	Moisture Content (dried @ 103' &		0.1	15/07/03 20.4	15/07/03 20.8	15/07/03 18.4
EP-068A-SS	ORGANOCHLORINE PESTICIDES					
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	RCB	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

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

Page-no: 3
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch:1
 No-samples:38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C6	1/22-C7	1/22-C8
EA-055	Moisture Content (dried @ 103° &		0.1	15/07/03 22.6	15/07/03 27.5	15/07/03 25.7
EP-068A-SS	ORGANOCHLORINE PESTICIDES					
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	ECB	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05

AUSTRALIAN LABORATORY SERVICES P/L

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER

YourOrder: GJ0128

SampleType:SOIL

Project:

Page-no: 4

ENV BRISBANE

Batch-no: 56836

Sub-batch:1

No-samples:38

Received: 17/07/03

Checked:

Method	Analysis description	Units	LOR	1/22-C9	1/22-C10	1/22-C11
EA-055	Moisture Content (dried @ 103° C)	%	0.1	15/07/03 23.1	15/07/03 25.8	15/07/03 24.2
EP-068A-SS	ORGANOCHLORINE PESTICIDES					
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	PCB	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05

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GILBERT & SUTHERLAND PTY LTD

Attention: MR C BUTLER
 Your Order: GJ0128
 Sample Type: SOIL
 Project:

Page-no: 5
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch: 1
 No-samples: 38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C12	1/22-C13	1/22-C14
EA-055	Moisture Content (dried @ 103' %			15/07/03	16/07/03	16/07/03
EP-068A-SS	ORGANOCHLORINE PESTICIDES		0.1	19.1	29.3	26.5
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	HCB	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Penthion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05

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GILBERT & SUTHERLAND PTY LTD

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

Page-no: 6
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch: 1
 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' %		0.1	16/07/03 25.4	16/07/03 30.0	16/07/03 27.1
EP-068A-SS	ORGANOCHLORINE PESTICIDES					
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	HCB	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05

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GILBERT & SUTHERLAND PTY LTD

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

Page-no: 7
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch: 1
 No-samples: 38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C18	1/22-C19	1/22-C20
EA-055	Moisture Content (dried @ 103' %			16/07/03	16/07/03	16/07/03
EP-068A-SS	ORGANOCHLORINE PESTICIDES		0.1	25.3	28.5	25.8
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	HCB	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05

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GILBERT & SUTHERLAND PTY LTD

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

Page-no: 8
 ENV BRISBANE
 Batch-no: 56836
 Sub-batch:1
 No-samples:38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOD	1/22-C21	1/22-C22	1/22-C23
EA-055	Moisture Content (dried @ 103' °C)		0.1	16/07/03 17.3	16/07/03 21.3	16/07/03 22.1
EP-068A-SS	ORGANOCHLORINE PESTICIDES					
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	γ-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05

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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:1
 No-samples:38
 Received: 17/07/03
 Checked:

Method	Analysis description	Units	LOR	1/22-C24	1/22-C25	1/22-C26
EA-055	Moisture Content (dried @ 103° C)	%	0.1	16/07/03 22.2	16/07/03 30.7	16/07/03 28.7
EP-068A-SS	ORGANOCHLORINE PESTICIDES					
EP-068A-SS	alpha-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	PCB	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	beta-BHC & gamma-BHC	mg/kg	0.1	<0.1	<0.1	<0.1
EP-068A-SS	delta-BHC	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Aldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - trans	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 1	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Chlordane - cis	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Dieldrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDE	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan 2	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDD	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Endosulfan sulfate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	DDT	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068A-SS	Endrin ketone	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068A-SS	Methoxychlor	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	ORGANOPHOSPHORUS PESTICIDES					
EP-068B-SS	Dichlorvos	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Demeton-S-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Monocrotophos	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Dimethoate	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Diazinon	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos-methyl	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Parathion-methyl	mg/kg	0.2	<0.2	<0.2	<0.2
EP-068B-SS	Malathion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Fenthion	mg/kg	0.05	<0.05	<0.05	<0.05
EP-068B-SS	Chlorpyrifos	mg/kg	0.05	<0.05	<0.05	<0.05

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