

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 mg/kg	22D mg/kg		%
EP068A : OC Pesticides					
α-BHC	0.025	<0.025	<0.025	n/a	
β-BHC	0.025	<0.025	<0.025	n/a	
γ-BHC	0.05	<0.05	<0.05	n/a	
δ-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/pos	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	
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	
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	
Fenemiphos	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-066 : Pesticides

QC LOT No. : NOCOPS1450

MATRIX : Soils

ANALYST : N. MAHABIR

COMPOUND		QC DUPLICATE RESULTS			
		ES42791	ES42791	RPD	Cont. Limit
		22	22D		
LOR	LOR				
mg/kg	mg/kg	mg/kg	mg/kg	%	
EP0580: Aldrin					
Chlorpyrifos	0.025	<0.025	<0.025	n/a	
Permethrin	0.025	<0.025	<0.025	n/a	
EP0580: Pyrethroids					
Cypermethrin(multipeaks)	0.1	<0.1	<0.1	n/a	
EP0585: OC Surrogates					
Dibromo-DDE	1%	84.2%	90.1%	6.77	0 - 20
EP0587: OP Surrogates					
DEF	1%	121%	121%	0	0 - 20

Note: The permitted range for RPD (relative percent deviation) is specified in ALS Method Q/4-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%.

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		%
EP039A : 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	
EP039B : 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	
Phosphos 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	Cent. Limit
		2d	2dD		
	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	
EP068S : QC Surrogate					
Dibromo-DDE	1%	86.5%	86.3%	0.231	0 - 20
EP068T : OP 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

ABN: 84 009 936 029

BRISBANE

Tel: 61-7-3243 7222

Fax: 61-7-3243 7218

SYDNEY

Tel: 61-2-8784 8555

Fax: 61-2-8784 8500

MELBOURNE

Tel: 61-3-9538 4444

Fax: 61-3-9538 4400

NEWCASTLE

Tel: 61-2-4968 9433

Fax: 61-2-4968 0349

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: 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.

AUSTRALIAN LABORATORY SERVICES P/L

ABN: 84 009 936 029

BRISBANE

Tel: 61-7-3243 7222

Fax: 61-7-3243 7218

SYDNEY

Tel: 61-2-8784 8555

Fax: 61-2-8784 8500

MELBOURNE

Tel: 61-3-9538 4444

Fax: 61-3-9538 4400

NEWCASTLE

Tel: 61-2-4968 9433

Fax: 61-2-4968 0349

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: 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

ABN: 84 009 936 029

BRISBANE

Tel: 61-7-3243 7222
 Fax: 61-7-3243 7218

SYDNEY

Tel: 61-2-8784 8555
 Fax: 61-2-8784 8500

MELBOURNE

Tel: 61-3-9538 4444
 Fax: 61-3-9538 4400

NEWCASTLE

Tel: 61-2-4968 9433
 Fax: 61-2-4968 0349

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: 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° &			09/10/03	09/10/03
EG-005T	Arsenic - Total	mg/kg	0.1	27.4	25.5
			1	12	15

AUSTRALIAN LABORATORY SERVICES P/L

ABN: 84 009 936 029

BRISBANE

Tel: 61-7-3243 7222

Fax: 61-7-3243 7218

SYDNEY

Tel: 61-2-8784 8555

Fax: 61-2-8784 8500

MELBOURNE

Tel: 61-3-9538 4444

Fax: 61-3-9538 4400

NEWCASTLE

Tel: 61-2-4968 9433

Fax: 61-2-4968 0349

AUCKLAND

Tel: 64-9-379 9437

Fax: 64-9-379 1449