EYRE COUNTY COUNCIL

BUILDING APPLICATION FORM

The County Building Inspector, Date 19
Private Bag,
KAIAPOL

Dear Sir,

I hereby apply for permission to ~~Erect~~ Poultry Shed, No 1. and erect garage
at LOT 1, corner of Eyre East Road & Town Roads.
for M. W. E. & I. Abbott. of 38 Gardiners Rd.
according to locality plan and detailed plans,
elevations, cross sections, and specifications of building deposited herewith, in duplicate.

Particulars of Land: Lot No. 1 on R.S.
D.P. 27487

Length of Boundaries Area 15 acres.

Particulars of Building—Foundation 3" concrete slab.
Walls: framed Timber Pallite Sheeting Roof: Corr Iron.

Area of Ground Floor: 3240 square feet

Area of Outbuildings: square feet

Estimated Cost—
Building £ $200.
Plumbing and Drainage £
£

16 10

Proposed purposes for which every part of building is to be used or occupied (describing separately each part intended for use or occupation for a separate purpose):

Proposed use or occupancy of other part of building:

Nature of ground on which building is to be placed and of the subjacent strata:

Yours faithfully,

Owner.

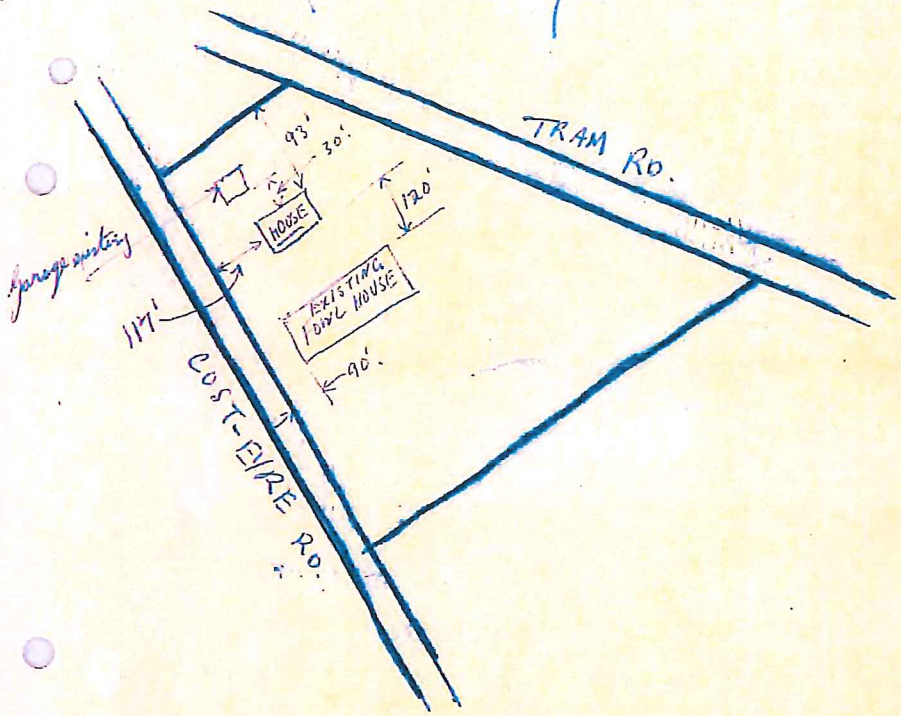
Builder.

Postal Address:

PLAN OF ALLOTMENT

Showing position of proposed buildings on such allotment

NOTE.—Distances of each building from boundary lines must be clearly indicated.



PLAN OF LOT 1 DP 27484
PART OF 8A/1299.

Owner..... Builder..... Val. Roll No..... Permit No.

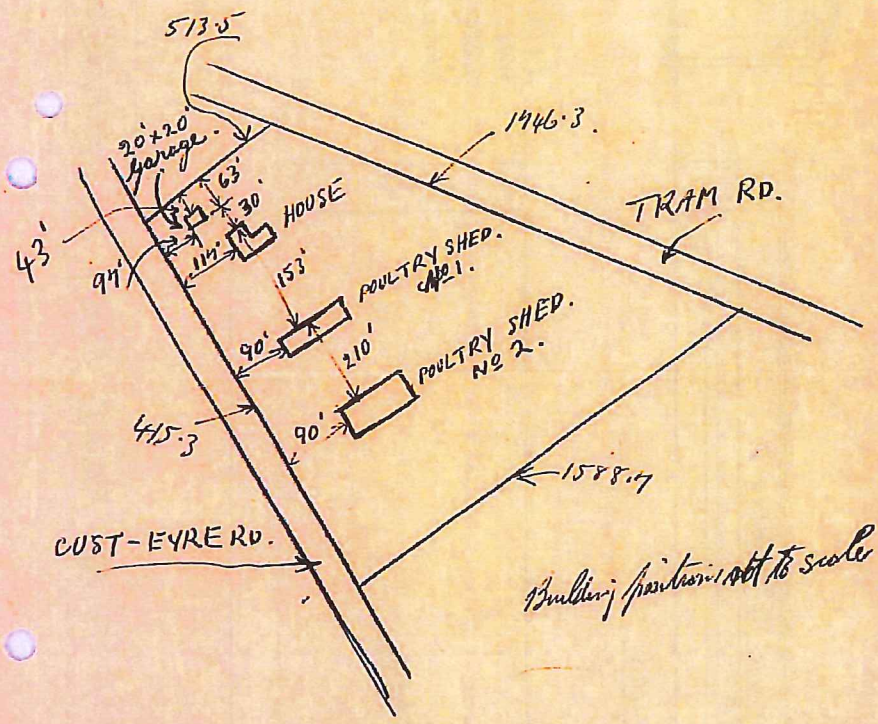
(For office use only)

PLAN OF ALLOTMENT

Showing position of proposed buildings on such allotment

NOTE.—Distances of each building from boundary lines must be clearly indicated.

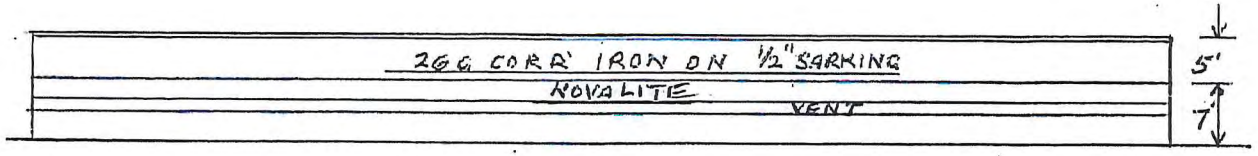
LOT 1 DP 27487
PART C/T 5A/1299.



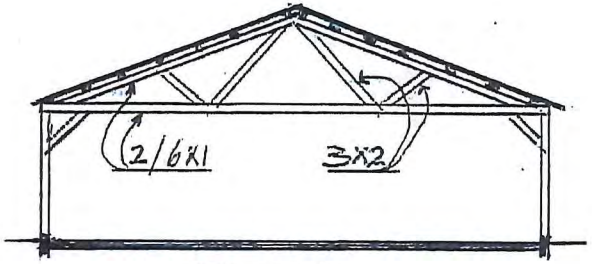
3245.

Owner..... Builder..... Val. Roll No..... Permit No.

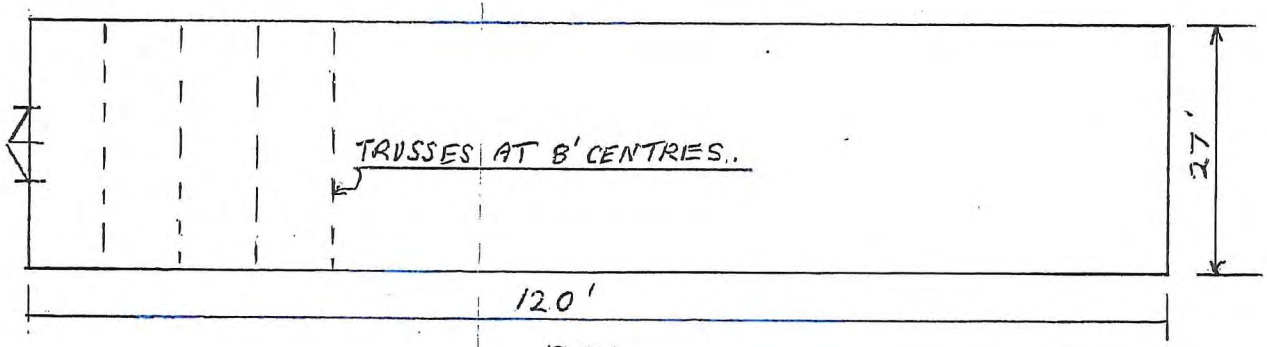
(For office use only)



SIDE ELEVATION



SECTION

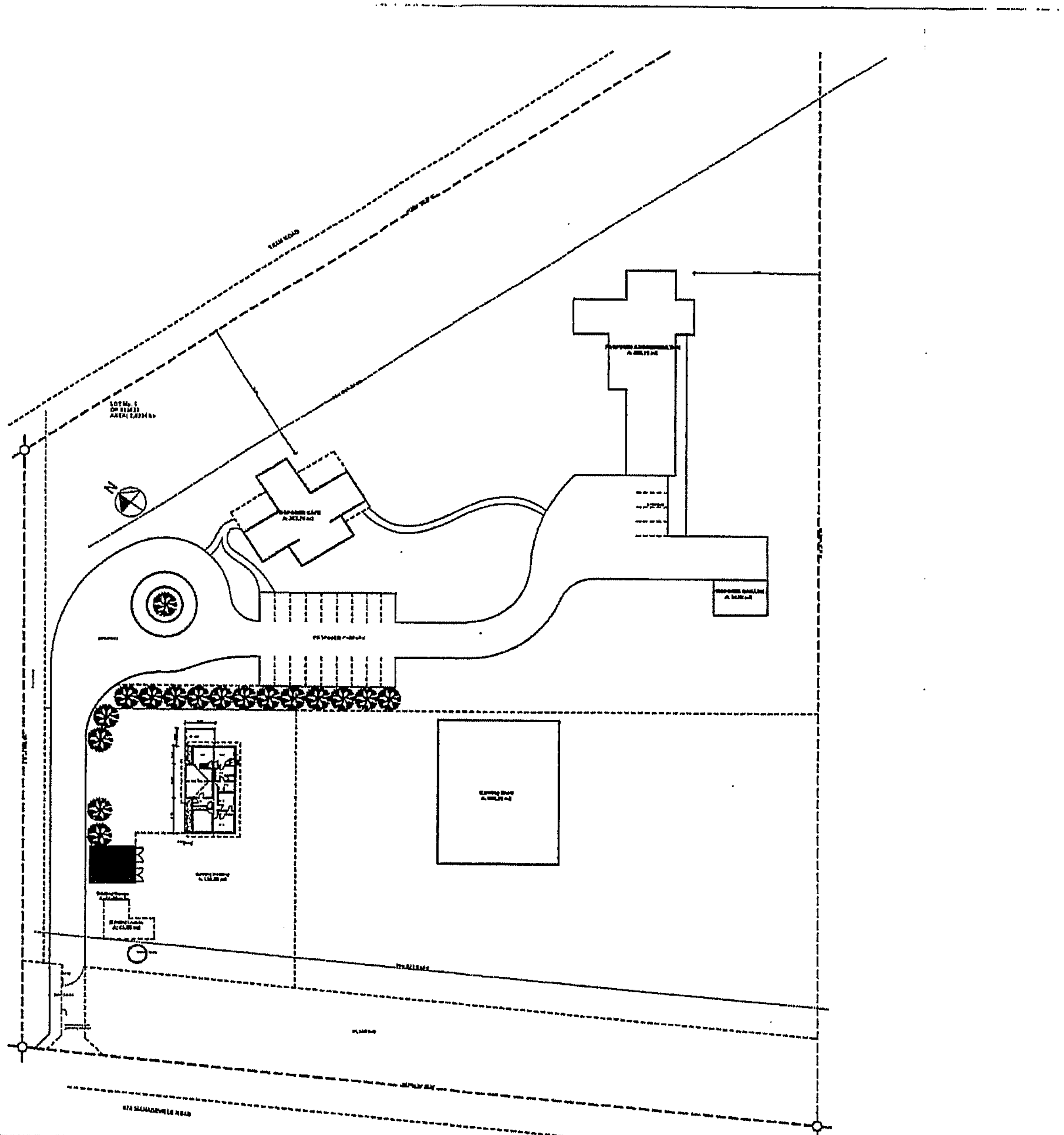


PLAN.

FLOOR: 3" CONC SLAB: 4" VPS TAN'D @ PLATES.
WALLS: 4x2 FRAMING: POLITE: NOVALITE.
TRUSSES FINK AS SHOWN @ 8' CENTRES.
PURLINS 4x2: ½" SARKING: CORR IRON.

PLAN OF POULTRY SHED Nº1. TO BE MOVED FROM 38 GARDINERS RD. MR. W.E.L. ABBOTT.

14/69.



PROPOSED PLAN

Proposed Development

harnettdesign

ALL WORK SHALL COMPLY WITH THE LOCAL BUILDING CONSENT AUTHORITY, NEW ZEALAND STANDARDS AND NEW ZEALAND BUILDING CODE 1992.

DO NOT SCALE FROM DRAWINGS. BUILDER SHALL VERIFY ALL DIMENSIONS, LEVELS AND BOUNDARIES BEFORE COMMENCING WORK.

Korea Development Co. Ltd
474 Mandeville Road
OHOKA

1229	12-12-07
1:500	Land Use Consent
RH	A2 of 3

Appendix E – Laboratory Report

eurofins | mgt

Certificate of Analysis

NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Coffey Environments Pty Ltd NZ
Level 11, 7 City Road
Grafton
Auckland, NZ 1010

Attention: **Anne Hellie**

Report **431934-S**
Client Reference MANDEVILLE PLAN CHANGE GENZCHRI5611AA
Received Date Sep 12, 2014

Client Sample ID			**S1**	**S2**	**S3**	**S4**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**M14-Se10799**	**M14-Se10800**	**M14-Se10801**	**M14-Se10802**
Date Sampled			**Sep 10, 2014**	**Sep 10, 2014**	**Sep 10, 2014**	**Sep 10, 2014**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	-	< 20	< 20	-
TRH C10-C14	20	mg/kg	-	81	< 20	-
TRH C15-C28	50	mg/kg	-	12000	< 50	-
TRH C29-C36	50	mg/kg	-	12000	< 50	-
TRH C10-36 (Total)	50	mg/kg	-	24000	< 50	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	-	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	-
TRH >C10-C16	50	mg/kg	-	200	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	200	< 50	-
TRH >C16-C34	100	mg/kg	-	22000	< 100	-
TRH >C34-C40	100	mg/kg	-	3300	< 100	-
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (lower bound)*	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound)*	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound)*	0.5	mg/kg	-	-	-	1.2
2-Fluorobiphenyl (surr.)	1	%	-	-	-	80
p-Terphenyl-d14 (surr.)	1	%	-	-	-	84

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	S1 Soil M14-Se10799 Sep 10, 2014	S2 Soil M14-Se10800 Sep 10, 2014	S3 Soil M14-Se10801 Sep 10, 2014	S4 Soil M14-Se10802 Sep 10, 2014
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	-	-
4.4'-DDE	0.05	mg/kg	< 0.05	-	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	-	-
a-BHC	0.05	mg/kg	< 0.05	-	-	-
Aldrin	0.05	mg/kg	< 0.05	-	-	-
b-BHC	0.05	mg/kg	< 0.05	-	-	-
d-BHC	0.05	mg/kg	< 0.05	-	-	-
Dieldrin	0.05	mg/kg	< 0.05	-	-	-
Endosulfan I	0.05	mg/kg	< 0.05	-	-	-
Endosulfan II	0.05	mg/kg	< 0.05	-	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	-
Endrin	0.05	mg/kg	< 0.05	-	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	-
Endrin ketone	0.05	mg/kg	< 0.05	-	-	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	-	-
Heptachlor	0.05	mg/kg	< 0.05	-	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	-
Methoxychlor	0.05	mg/kg	< 0.05	-	-	-
Toxaphene	1	mg/kg	< 1	-	-	-
Dibutylchlorendate (surr.)	1	%	57	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	84	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	9.5	20	11	9.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	13	13	14	12
Copper	5	mg/kg	< 5	20	7.4	17
Lead	5	mg/kg	12	130	16	35
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.8	8.8	10	7.1
Zinc	5	mg/kg	50	180	53	80
% Moisture	0.1	%	19	13	4.1	12

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	S7 Soil M14-Se10803 Sep 10, 2014	S9 Soil M14-Se10804 Sep 10, 2014	S10 Soil M14-Se10805 Sep 10, 2014	S11 Soil M14-Se10806 Sep 10, 2014
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			S7	S9	S10	S11
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			M14-Se10803	M14-Se10804	M14-Se10805	M14-Se10806
Date Sampled			Sep 10, 2014	Sep 10, 2014	Sep 10, 2014	Sep 10, 2014
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (lower bound)*	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound)*	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound)*	0.5	mg/kg	-	-	-	1.2
2-Fluorobiphenyl (surr.)	1	%	-	-	-	84
p-Terphenyl-d14 (surr.)	1	%	-	-	-	88
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Toxaphene	1	mg/kg	< 1	< 1	< 1	-
Dibutylchlorendate (surr.)	1	%	100	77	74	-
Tetrachloro-m-xylene (surr.)	1	%	93	66	93	-
Organophosphorous Pesticides						
Bolstar	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	-
Demeton-O	0.2	mg/kg	< 0.2	-	-	-
Diazinon	0.2	mg/kg	< 0.2	-	-	-
Dichlorvos	0.2	mg/kg	< 0.2	-	-	-
Disulfoton	0.2	mg/kg	< 0.2	-	-	-
Ethion	0.2	mg/kg	< 0.2	-	-	-
Ethoprop	0.2	mg/kg	< 0.2	-	-	-
Fenitrothion	0.2	mg/kg	< 0.2	-	-	-

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	S7 Soil M14-Se10803 Sep 10, 2014	S9 Soil M14-Se10804 Sep 10, 2014	S10 Soil M14-Se10805 Sep 10, 2014	S11 Soil M14-Se10806 Sep 10, 2014
Organophosphorous Pesticides						
Fensulfothion	0.2	mg/kg	< 0.2	-	-	-
Fenthion	0.2	mg/kg	< 0.2	-	-	-
Merphos	0.2	mg/kg	< 0.2	-	-	-
Methyl azinphos	0.2	mg/kg	< 0.2	-	-	-
Methyl parathion	0.2	mg/kg	< 0.2	-	-	-
Mevinphos	0.2	mg/kg	< 0.2	-	-	-
Naled	0.5	mg/kg	< 0.5	-	-	-
Phorate	0.2	mg/kg	< 0.2	-	-	-
Ronnel	0.2	mg/kg	< 0.2	-	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-	-
Trichloronate	0.2	mg/kg	< 0.2	-	-	-
Triphenylphosphate (surr.)	1	%	85	-	-	-
Triazines						
Ametryn	0.2	mg/kg	< 0.2	-	-	-
Atraton	0.2	mg/kg	< 0.2	-	-	-
Atrazine	0.2	mg/kg	< 0.2	-	-	-
Prometon	0.2	mg/kg	< 0.2	-	-	-
Prometryn	0.2	mg/kg	< 0.2	-	-	-
Propazine	0.2	mg/kg	< 0.2	-	-	-
Simazine	0.2	mg/kg	< 0.2	-	-	-
Simetryn	0.2	mg/kg	< 0.2	-	-	-
Terbuthylazine	0.2	mg/kg	< 0.2	-	-	-
Terbutryne	0.2	mg/kg	< 0.2	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	9.6	6.9	9.6	7.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	12	12	13	10
Copper	5	mg/kg	9.2	< 5	5.2	< 5
Lead	5	mg/kg	22	11	11	10
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.7	6.2	8.2	6.1
Zinc	5	mg/kg	780	39	63	38
% Moisture	0.1	%	20	16	19	11

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	S12 Soil M14-Se10807 Sep 10, 2014	S13 Soil M14-Se10808 Sep 10, 2014	S14 Soil M14-Se10809 Sep 10, 2014	S15 Soil M14-Se10810 Sep 10, 2014
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Eurofins | mgt 2-5 Kingston Town Close, Oakleigh, Victoria, Australia, 3166
ABN : 50 005 085 521 Telephone: +61 3 8564 5000 Facsimile: +61 3 8564 5090

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	S12 Soil M14-Se10807 Sep 10, 2014	S13 Soil M14-Se10808 Sep 10, 2014	S14 Soil M14-Se10809 Sep 10, 2014	S15 Soil M14-Se10810 Sep 10, 2014
Organochlorine Pesticides						
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	< 1	< 1
Dibutylchlorendate (surr.)	1	%	72	76	58	61
Tetrachloro-m-xylene (surr.)	1	%	67	66	77	65
Heavy Metals						
Arsenic	2	mg/kg	8.1	11	8.2	8.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	11	15	11	11
Copper	5	mg/kg	< 5	5.4	< 5	< 5
Lead	5	mg/kg	11	14	11	9.9
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.9	8.9	7.3	6.5
Zinc	5	mg/kg	53	59	46	54
% Moisture	0.1	%	20	22	15	16

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	S16 Soil M14-Se10811 Sep 10, 2014	S17 Soil M14-Se10812 Sep 10, 2014	S8 Soil M14-Se10813 Sep 10, 2014
Organochlorine Pesticides					
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05

Client Sample ID			S16	S17	S8
Sample Matrix			Soil	Soil	Soil
Eurofins | mgt Sample No.			M14-Se10811	M14-Se10812	M14-Se10813
Date Sampled			Sep 10, 2014	Sep 10, 2014	Sep 10, 2014
Test/Reference	LOR	Unit			
Organochlorine Pesticides					
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	< 1
Dibutylchlorendate (surr.)	1	%	72	72	130
Tetrachloro-m-xylene (surr.)	1	%	67	90	103
Organophosphorous Pesticides					
Bolstar	0.2	mg/kg	-	-	< 0.2
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2
Demeton-O	0.2	mg/kg	-	-	< 0.2
Diazinon	0.2	mg/kg	-	-	< 0.2
Dichlorvos	0.2	mg/kg	-	-	< 0.2
Disulfoton	0.2	mg/kg	-	-	< 0.2
Ethion	0.2	mg/kg	-	-	< 0.2
Ethoprop	0.2	mg/kg	-	-	< 0.2
Fenitrothion	0.2	mg/kg	-	-	< 0.2
Fensulfothion	0.2	mg/kg	-	-	< 0.2
Fenthion	0.2	mg/kg	-	-	< 0.2
Merphos	0.2	mg/kg	-	-	< 0.2
Methyl azinphos	0.2	mg/kg	-	-	< 0.2
Methyl parathion	0.2	mg/kg	-	-	< 0.2
Mevinphos	0.2	mg/kg	-	-	< 0.2
Naled	0.5	mg/kg	-	-	< 0.5
Phorate	0.2	mg/kg	-	-	< 0.2
Ronnel	0.2	mg/kg	-	-	< 0.2
Tokuthion	0.2	mg/kg	-	-	< 0.2
Trichloronate	0.2	mg/kg	-	-	< 0.2
Triphenylphosphate (surr.)	1	%	-	-	103
Triazines					
Ametryn	0.2	mg/kg	-	-	< 0.2
Atraton	0.2	mg/kg	-	-	< 0.2
Atrazine	0.2	mg/kg	-	-	< 0.2
Prometon	0.2	mg/kg	-	-	< 0.2
Prometryn	0.2	mg/kg	-	-	< 0.2
Propazine	0.2	mg/kg	-	-	< 0.2
Simazine	0.2	mg/kg	-	-	< 0.2
Simetryn	0.2	mg/kg	-	-	< 0.2
Terbuthylazine	0.2	mg/kg	-	-	< 0.2
Terbutryne	0.2	mg/kg	-	-	< 0.2
Heavy Metals					
Arsenic	2	mg/kg	7.7	9.4	< 2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	9.3	13	9.9
Copper	5	mg/kg	< 5	< 5	5.4
Lead	5	mg/kg	9.4	13	9.9
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	S16 Soil M14-Se10811 Sep 10, 2014	S17 Soil M14-Se10812 Sep 10, 2014	S8 Soil M14-Se10813 Sep 10, 2014
Heavy Metals					
Nickel	5	mg/kg	5.4	8.2	7.2
Zinc	5	mg/kg	38	48	49
% Moisture	0.1	%	26	20	19

Eurofins | mgt 2-5 Kingston Town Close, Oakleigh, Victoria, Australia, 3166
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Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: TRH C6-C36 - MGT 100A	Melbourne	Sep 12, 2014	14 Day
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LM-LTM-ORG2010	Melbourne	Sep 12, 2014	14 Day
Polycyclic Aromatic Hydrocarbons - Method: USEPA 8270 Polycyclic Aromatic Hydrocarbons	Melbourne	Sep 12, 2014	14 Day
Triazines - Method: USEPA 8141 Triazines	Melbourne	Sep 15, 2014	14 Day
Metals M8 - Method: USEPA 6010/6020 Heavy Metals & USEPA 7470/71 Mercury	Melbourne	Sep 15, 2014	28 Day
% Moisture - Method: Method 102 - ANZECC - % Moisture	Melbourne	Sep 15, 2014	14 Day
Eurofins | mgt Suite 14			
Organochlorine Pesticides - Method: USEPA 8081 Organochlorine Pesticides	Melbourne	Sep 15, 2014	14 Day
Organophosphorous Pesticides - Method: USEPA 8270 Organophoshorus Pesticides	Melbourne	Sep 15, 2014	14 Day

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Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Company Name: Coffey Environments Pty Ltd NZ
Address: Level 11, 7 City Road
Grafton
Auckland, NZ 1010

Client Job No.: MANDEVILLE PLAN CHANGE GENZCHRI5611AA

Order No.:
Report #: 431934
Phone: +64 9 379 9463
Fax: +64 9 307 2654

Received: Sep 12, 2014 1:32 PM
Due: Sep 19, 2014
Priority: 5 Day
Contact Name: Anne Hellie

Eurofins | mgt Client Manager: Tammy Lakeland

Sample Detail					% Moisture	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Triazines	Metals M8	Eurofins | mgt Suite 14	Total Recoverable Hydrocarbons
Laboratory where analysis is conducted											
Melbourne Laboratory - NATA Site # 1254 & 14271					X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217											
Brisbane Laboratory - NATA Site # 20794											
External Laboratory											
Sample ID	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
S1	Sep 10, 2014		Soil	M14-Se10799	X		X		X		
S2	Sep 10, 2014		Soil	M14-Se10800	X				X		X
S3	Sep 10, 2014		Soil	M14-Se10801	X				X		X
S4	Sep 10, 2014		Soil	M14-Se10802	X	X			X		
S7	Sep 10, 2014		Soil	M14-Se10803	X			X	X	X	
S9	Sep 10, 2014		Soil	M14-Se10804	X		X		X		
S10	Sep 10, 2014		Soil	M14-Se10805	X		X		X		
S11	Sep 10, 2014		Soil	M14-Se10806	X	X			X		
S12	Sep 10, 2014		Soil	M14-Se10807	X		X		X		
S13	Sep 10, 2014		Soil	M14-Se10808	X		X		X		

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Sample Detail					% Moisture	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Triazines	Metals M8	Eurofins | mgt Suite 14	Total Recoverable Hydrocarbons
Laboratory where analysis is conducted											
Melbourne Laboratory - NATA Site # 1254 & 14271					X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217											
Brisbane Laboratory - NATA Site # 20794											
External Laboratory											
S14	Sep 10, 2014		Soil	M14-Se10809	X		X		X		
S15	Sep 10, 2014		Soil	M14-Se10810	X		X		X		
S16	Sep 10, 2014		Soil	M14-Se10811	X		X		X		
S17	Sep 10, 2014		Soil	M14-Se10812	X		X		X		
S8	Sep 10, 2014		Soil	M14-Se10813	X			X	X	X	

Eurofins | mgt Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

****NOTE:** pH duplicates are reported as a range NOT as RPD

UNITS

mg/kg: milligrams per Kilogram

ug/l: micrograms per litre

ppb: Parts per billion

org/100ml: Organisms per 100 millilitres

MPN/100mL: Most Probable Number of organisms per 100 millilitres

mg/l: milligrams per litre

ppm: Parts per million

%: Percentage

NTU: Nephelometric Turbidity Units

TERMS

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery
CRM	Certified Reference Material - reported as percent recovery
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands. In the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
Batch Duplicate	A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.
Batch SPIKE	Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
ASLP	Australian Standard Leaching Procedure (AS4439.3)
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within
TEQ	Toxic Equivalency Quotient

QC - ACCEPTANCE CRITERIA

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

QC DATA GENERAL COMMENTS

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling.Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " -" in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

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Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH C6-C10 less BTEX (F1)	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-BHC	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-BHC	mg/kg	< 0.05			0.05	Pass	
d-BHC	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-BHC (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 1			1	Pass	
Method Blank							
Organophosphorous Pesticides							
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl azinphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Naled	mg/kg	< 0.5			0.5	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Triazines							
Ametryn	mg/kg	< 0.2			0.2	Pass	
Atraton	mg/kg	< 0.2			0.2	Pass	
Atrazine	mg/kg	< 0.2			0.2	Pass	
Prometon	mg/kg	< 0.2			0.2	Pass	
Prometryn	mg/kg	< 0.2			0.2	Pass	
Propazine	mg/kg	< 0.2			0.2	Pass	
Simazine	mg/kg	< 0.2			0.2	Pass	
Simetryn	mg/kg	< 0.2			0.2	Pass	
Terbuthylazine	mg/kg	< 0.2			0.2	Pass	
Terbutryne	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	100			70-130	Pass	
TRH C10-C14	%	100			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	83			75-125	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
TRH C6-C10	%	92			70-130	Pass	
TRH >C10-C16	%	99			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	84			70-130	Pass	
Acenaphthylene	%	84			70-130	Pass	
Anthracene	%	83			70-130	Pass	
Benz(a)anthracene	%	75			70-130	Pass	
Benzo(a)pyrene	%	85			70-130	Pass	
Benzo(b&j)fluoranthene	%	80			70-130	Pass	
Benzo(g.h.i)perylene	%	88			70-130	Pass	
Benzo(k)fluoranthene	%	74			70-130	Pass	
Chrysene	%	76			70-130	Pass	
Dibenz(a.h)anthracene	%	90			70-130	Pass	
Fluoranthene	%	75			70-130	Pass	
Fluorene	%	82			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	85			70-130	Pass	
Naphthalene	%	81			70-130	Pass	
Phenanthrene	%	80			70-130	Pass	
Pyrene	%	74			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
4.4'-DDD	%	125			70-130	Pass	
4.4'-DDE	%	97			70-130	Pass	
4.4'-DDT	%	99			70-130	Pass	
a-BHC	%	127			70-130	Pass	
Aldrin	%	128			70-130	Pass	
b-BHC	%	125			70-130	Pass	
d-BHC	%	119			70-130	Pass	
Dieldrin	%	109			70-130	Pass	
Endosulfan I	%	97			70-130	Pass	
Endosulfan II	%	90			70-130	Pass	
Endosulfan sulphate	%	93			70-130	Pass	
Endrin	%	127			70-130	Pass	
Endrin aldehyde	%	86			70-130	Pass	
Endrin ketone	%	88			70-130	Pass	
g-BHC (Lindane)	%	127			70-130	Pass	
Heptachlor	%	121			70-130	Pass	
Heptachlor epoxide	%	106			70-130	Pass	
Hexachlorobenzene	%	98			70-130	Pass	
Methoxychlor	%	129			70-130	Pass	
LCS - % Recovery							
Organophosphorous Pesticides							
Diazinon	%	88			70-130	Pass	
Ethion	%	99			70-130	Pass	
Fenitrothion	%	78			70-130	Pass	
Methyl parathion	%	72			70-130	Pass	
Mevinphos	%	78			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	97			80-120	Pass	
Cadmium	%	113			80-120	Pass	
Chromium	%	87			80-120	Pass	
Copper	%	120			80-120	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Lead			%	120			80-120	Pass	
Mercury			%	101			75-125	Pass	
Nickel			%	120			80-120	Pass	
Zinc			%	112			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	M14-Se10524	NCP	%	88			70-130	Pass	
TRH C10-C14	M14-Se10384	NCP	%	71			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH C6-C10	M14-Se10524	NCP	%	92			70-130	Pass	
TRH >C10-C16	M14-Se10384	NCP	%	72			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	M14-Se10384	NCP	%	100			70-130	Pass	
Acenaphthylene	M14-Se10384	NCP	%	105			70-130	Pass	
Anthracene	M14-Se10384	NCP	%	98			70-130	Pass	
Benz(a)anthracene	M14-Se10384	NCP	%	100			70-130	Pass	
Benzo(a)pyrene	M14-Se10384	NCP	%	97			70-130	Pass	
Benzo(b&j)fluoranthene	M14-Se10384	NCP	%	101			70-130	Pass	
Benzo(g.h.i)perylene	M14-Se10384	NCP	%	112			70-130	Pass	
Benzo(k)fluoranthene	M14-Se10384	NCP	%	94			70-130	Pass	
Chrysene	M14-Se10384	NCP	%	96			70-130	Pass	
Dibenz(a.h)anthracene	M14-Se10384	NCP	%	118			70-130	Pass	
Fluoranthene	M14-Se10384	NCP	%	101			70-130	Pass	
Fluorene	M14-Se10384	NCP	%	107			70-130	Pass	
Indeno(1.2.3-cd)pyrene	M14-Se10384	NCP	%	118			70-130	Pass	
Naphthalene	M14-Se10384	NCP	%	105			70-130	Pass	
Phenanthrene	M14-Se10384	NCP	%	100			70-130	Pass	
Pyrene	M14-Se10384	NCP	%	101			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M14-Se10806	CP	%	92			75-125	Pass	
Cadmium	M14-Se10806	CP	%	102			75-125	Pass	
Chromium	M14-Se10806	CP	%	109			75-125	Pass	
Copper	M14-Se10806	CP	%	116			75-125	Pass	
Lead	M14-Se10806	CP	%	108			75-125	Pass	
Mercury	M14-Se10806	CP	%	86			70-130	Pass	
Nickel	M14-Se10806	CP	%	104			75-125	Pass	
Zinc	M14-Se10806	CP	%	123			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
4.4'-DDD	M14-Se10808	CP	%	126			70-130	Pass	
4.4'-DDE	M14-Se10808	CP	%	109			70-130	Pass	
4.4'-DDT	M14-Se10808	CP	%	128			70-130	Pass	
a-BHC	M14-Se10808	CP	%	127			70-130	Pass	
Aldrin	M14-Se10808	CP	%	127			70-130	Pass	
b-BHC	M14-Se10808	CP	%	127			70-130	Pass	
d-BHC	M14-Se10808	CP	%	125			70-130	Pass	
Dieldrin	M14-Se10808	CP	%	124			70-130	Pass	
Endosulfan I	M14-Se10808	CP	%	106			70-130	Pass	
Endosulfan II	M14-Se10808	CP	%	95			70-130	Pass	
Endosulfan sulphate	M14-Se10808	CP	%	96			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin	M14-Se10808	CP	%	129			70-130	Pass	
Endrin aldehyde	M14-Se10808	CP	%	89			70-130	Pass	
Endrin ketone	M14-Se10808	CP	%	92			70-130	Pass	
g-BHC (Lindane)	M14-Se10808	CP	%	127			70-130	Pass	
Heptachlor	M14-Se10808	CP	%	120			70-130	Pass	
Heptachlor epoxide	M14-Se10808	CP	%	117			70-130	Pass	
Hexachlorobenzene	M14-Se10808	CP	%	105			70-130	Pass	
Methoxychlor	M14-Se10808	CP	%	126			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
4.4'-DDD	M14-Se10813	CP	%	95			70-130	Pass	
4.4'-DDE	M14-Se10813	CP	%	103			70-130	Pass	
4.4'-DDT	M14-Se10813	CP	%	81			70-130	Pass	
a-BHC	M14-Se10813	CP	%	97			70-130	Pass	
Aldrin	M14-Se10813	CP	%	92			70-130	Pass	
b-BHC	M14-Se10813	CP	%	90			70-130	Pass	
d-BHC	M14-Se10813	CP	%	99			70-130	Pass	
Dieldrin	M14-Se10813	CP	%	96			70-130	Pass	
Endosulfan I	M14-Se10813	CP	%	90			70-130	Pass	
Endosulfan II	M14-Se10813	CP	%	88			70-130	Pass	
Endosulfan sulphate	M14-Se10813	CP	%	87			70-130	Pass	
Endrin	M14-Se10813	CP	%	91			70-130	Pass	
Endrin aldehyde	M14-Se10813	CP	%	74			70-130	Pass	
Endrin ketone	M14-Se10813	CP	%	89			70-130	Pass	
g-BHC (Lindane)	M14-Se10813	CP	%	99			70-130	Pass	
Heptachlor	M14-Se10813	CP	%	111			70-130	Pass	
Heptachlor epoxide	M14-Se10813	CP	%	93			70-130	Pass	
Hexachlorobenzene	M14-Se10813	CP	%	85			70-130	Pass	
Methoxychlor	M14-Se10813	CP	%	79			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	M14-Se10159	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	M14-Se10369	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	M14-Se10369	NCP	mg/kg	350	430	20	30%	Pass	
TRH C29-C36	M14-Se10369	NCP	mg/kg	170	230	27	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	M14-Se10159	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	M14-Se10159	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10 less BTEX (F1)	M14-Se10159	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	M14-Se10369	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	M14-Se10369	NCP	mg/kg	520	630	20	30%	Pass	
TRH >C34-C40	M14-Se10369	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M14-Se10803	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-BHC	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-BHC	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-BHC	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Dieldrin	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-BHC (Lindane)	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	M14-Se10803	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	M14-Se10803	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M14-Se10805	CP	mg/kg	9.6	9.2	5.0	30%	Pass	
Cadmium	M14-Se10805	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	M14-Se10805	CP	mg/kg	13	13	1.0	30%	Pass	
Copper	M14-Se10805	CP	mg/kg	5.2	< 5	4.0	30%	Pass	
Lead	M14-Se10805	CP	mg/kg	11	11	3.0	30%	Pass	
Mercury	M14-Se10805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	M14-Se10805	CP	mg/kg	8.2	7.8	5.0	30%	Pass	
Zinc	M14-Se10805	CP	mg/kg	63	64	2.0	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	M14-Se10806	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M14-Se10806	CP	mg/kg	7.3	7.5	4.0	30%	Pass	
Cadmium	M14-Se10806	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	M14-Se10806	CP	mg/kg	10	10	2.0	30%	Pass	
Copper	M14-Se10806	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Lead	M14-Se10806	CP	mg/kg	10	9.8	3.0	30%	Pass	
Mercury	M14-Se10806	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	M14-Se10806	CP	mg/kg	6.1	6.0	3.0	30%	Pass	
Zinc	M14-Se10806	CP	mg/kg	38	38	<1	30%	Pass	