



Certificate of Analysis

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Client:	Remediation (NZ) Limited	Lab No:	1963107	CPV1
Contact:	Remediation (NZ) Limited C/- Brixton Organic Centre PO Box 8045 New Plymouth 4342	Date Received:	14-Apr-2018	
		Date Reported:	23-Apr-2018	
		Quote No:		
		Order No:		
		Client Reference:		
		Submitted By:	D Gibson	

Sample Type: COMPOST, General				
Sample Name:	Compost Sample 1	Compost Sample 2	Guideline NZS 4454:2005*	BioGro Std 2009 Appendix A**
Lab Number:	1963107.1	1963107.2		
Total Analysis Results - Dry Weight Basis				
Organic Matter	%	19.3	24.4	Greater than 25
Total Carbon	%	11.2	14.2	-
Total Nitrogen	%	0.59	0.59	Greater than 0.6 (if a contribution to plant nutrition is claimed)
C/N Ratio		19.0	24	-
Dry Matter	%	59.0	59.1	-
'Total' Phosphorus	mg/kg	1,483	1,896	-
'Total' Phosphorus	%	0.15	0.19	Greater than 0.1 (if a contribution to plant nutrition is claimed)
'Total' Sulphur	mg/kg	3,020	3,030	-
'Total' Sulphur	%	0.30	0.30	-
'Total' Potassium	mg/kg	1,955	2,380	-
'Total' Potassium	%	0.20	0.24	-
'Total' Calcium	mg/kg	34,800	49,900	-
'Total' Calcium	%	3.48	4.99	-
'Total' Magnesium	mg/kg	3,820	3,790	-
'Total' Magnesium	%	0.38	0.38	-
'Total' Sodium	mg/kg	537	1,019	-
'Total' Sodium	%	0.05	0.10	-
'Total' Iron	mg/kg	19,000	18,600	-
'Total' Manganese	mg/kg	340	290	-
'Total' Zinc	mg/kg	146	174	Less than 600
'Total' Copper	mg/kg	54	125	Less than 300
'Total' Boron	mg/kg	15	10	Less than 200

* New Zealand Standard Composts, Soil Conditioners and Mulches: NZS 4454:2005, Table 3.1. Test results apply to the sample(s) submitted for analysis and do not necessarily imply that the product meets all the requirements of the standard. Note that the laboratory methods used for these test results may differ slightly to those referred to in the standard.

** Bio-Gro NZ Organic Standards 2009, Appendix A, Table A3: Limits for Heavy Metals in Soils and Composts: BioGro Standard for compost - ingredients other than household waste. Other limits apply for compost with ingredients including household waste.

Analyst's Comments

Samples 1-2 Comment:

Note 1: Reporting Units.

% = g/100g = g analyte/100g compost (dry weight basis)

mg/kg = ppm = mg analyte/kg compost (dry weight basis)

Electrical Conductivity units mS/cm = dS/m

Note 2: % x 10 = kg/T

Note 3: To calculate results to a fresh weight basis:

Result (dry matter basis) x (Dry Matter % / 100) = Result (fresh weight basis)

Samples 1-2 Comment:

Organic Matter Note: The relationship between carbon and organic matter varies according to organic matter type and soil type if soil is present in the product. Commonly used conversion factors range from 1.65 to 2.2 (Ref: NZS 445:2005). A Loss on Ignition (LOI) test may be requested if a more accurate organic matter value is required.

Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively clean matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis.

Sample Type: COMPOST, General

Test	Method Description	Default Detection Limit	Sample No
Sample Registration	Samples were registered according to instructions received.	-	1-2
Media & Compost Prep (Dry & Grind)	Oven dried at 105°C for 24 hours and ground to pass through a 2.0mm screen.	-	1-2
'Total' Sulphur	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	45 mg/kg	1-2
'Total' Sulphur	Calculated from 'Total' Sulphur result for mg/kg (reported on a dry weight basis).	0.01 %	1-2
Total Carbon	Sample dried and ground and analysed by Dumas combustion. Results expressed on a dry weight basis.	0.2 %	1-2
Total Nitrogen	Sample dried and ground and analysed by Dumas combustion. Results expressed on a dry weight basis.	0.04 %	1-2
Organic Matter	Dumas combustion. Organic Matter is 1.72 x Total Carbon.	0.2 %	1-2
Dry Matter	Weight loss on drying at 105°C for 24 hours.	0.5 %	1-2
'Total' Phosphorus	Calculated from 'Total' Phosphorus result for mg/kg (reported on a dry weight basis).	0.01 %	1-2
'Total' Phosphorus	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	65 mg/kg	1-2
'Total' Potassium	Calculated from 'Total' Potassium result for mg/kg (reported on a dry weight basis).	0.01 %	1-2
'Total' Potassium	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	70 mg/kg	1-2
'Total' Calcium	Calculated from 'Total' Calcium result for mg/kg (reported on a dry weight basis).	0.01 %	1-2
'Total' Calcium	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	100 mg/kg	1-2
'Total' Magnesium	Calculated from 'Total' Magnesium result for mg/kg (reported on a dry weight basis).	0.01 %	1-2
'Total' Magnesium	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	40 mg/kg	1-2

Sample Type: COMPOST, General			
Test	Method Description	Default Detection Limit	Sample No
'Total' Sodium	Calculated from 'Total' Sodium result for mg/kg (reported on a dry weight basis).	0.01 %	1-2
'Total' Sodium	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	20 mg/kg	1-2
'Total' Iron	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	40 mg/kg	1-2
'Total' Manganese	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	3 mg/kg	1-2
'Total' Zinc	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	4 mg/kg	1-2
'Total' Copper	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	4 mg/kg	1-2
'Total' Boron	Nitric/hydrochloric digestion (based on US EPA 200.2) followed by ICP-OES. (Total recoverable nutrients reported on a dry weight basis) The levels from this method are referred to as 'Totals' in quotation marks, as they will be a slight under-estimation of the true Totals for some elements.	6 mg/kg	1-2

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Samples are held at the laboratory after reporting for a length of time depending on the preservation used and the stability of the analytes being tested. Once the storage period is completed the samples are discarded unless otherwise advised by the client.

This certificate of analysis must not be reproduced, except in full, without the written consent of the signatory.

Andrew Whitmore BSc (Tech)
Client Services Manager - Agriculture



Certificate of Analysis

Client:	Revital Fertilisers	Lab No:	1963135	SPV1
Contact:	D Gibson C/- Revital Fertilisers PO Box 8045 New Plymouth 4342	Date Received:	14-Apr-2018	
		Date Reported:	27-Apr-2018	
		Quote No:		
		Order No:		
		Client Reference:		
		Submitted By:	D Gibson	

Sample Type: Miscellaneous						
Sample Name:	Compost Sample 1 13-Apr-2018	Compost Sample 2 13-Apr-2018				
Lab Number:	1963135.1	1963135.2				
Individual Tests						
Dry Matter	g/100g as rcvd	59	58	-	-	-
Heavy metal screen level As,Cd,Cr,Cu,Ni,Pb,Zn						
Total Recoverable Arsenic	mg/kg dry wt	19	14	-	-	-
Total Recoverable Cadmium	mg/kg dry wt	0.24	0.23	-	-	-
Total Recoverable Chromium	mg/kg dry wt	35	31	-	-	-
Total Recoverable Copper	mg/kg dry wt	57	120	-	-	-
Total Recoverable Lead	mg/kg dry wt	68	34	-	-	-
Total Recoverable Nickel	mg/kg dry wt	13	14	-	-	-
Total Recoverable Zinc	mg/kg dry wt	168	178	-	-	-
Multiresidue Pesticides in Soil samples by GCMS						
Acetochlor	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Alachlor	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Aldrin	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Atrazine	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Atrazine-desethyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Atrazine-desisopropyl	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Azaconazole	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Azinphos-methyl	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Benalaxyl	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Bendiocarb	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Benodanil	mg/kg dry wt	< 0.2	< 0.2	-	-	-
alpha-BHC	mg/kg dry wt	< 0.017	< 0.018	-	-	-
beta-BHC	mg/kg dry wt	< 0.017	< 0.018	-	-	-
delta-BHC	mg/kg dry wt	< 0.017	< 0.018	-	-	-
gamma-BHC (Lindane)	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Bifenthrin	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Bitertanol	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Bromacil	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Bromophos-ethyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Bromopropylate	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Bupirimate	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Buprofezin	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Butachlor	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Captafol	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Captan	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Carbaryl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Carbofenthion	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Carbofuran	mg/kg dry wt	< 0.10	< 0.10	-	-	-

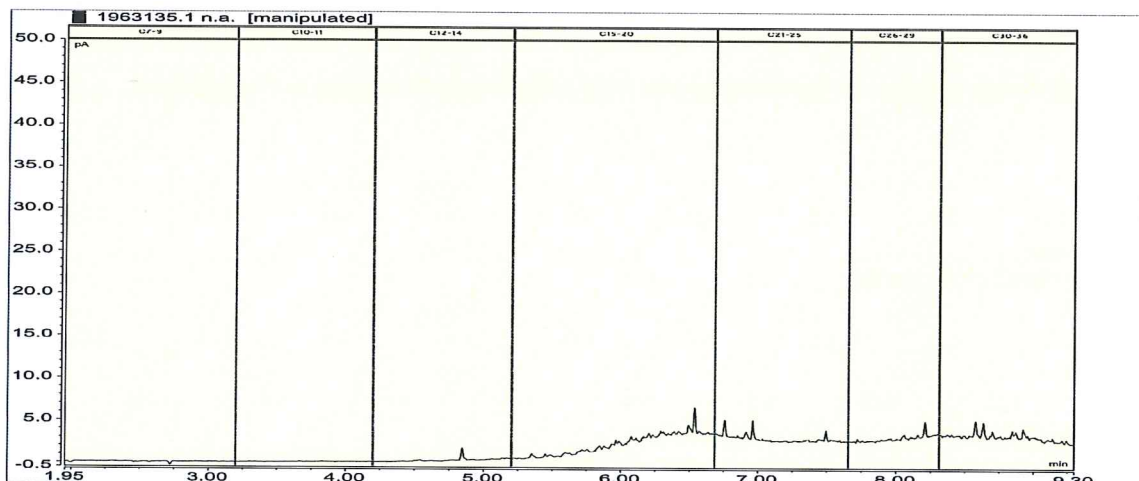


Sample Type: Miscellaneous						
Sample Name:		Compost Sample 1 13-Apr-2018	Compost Sample 2 13-Apr-2018			
Lab Number:		1963135.1	1963135.2			
Multiresidue Pesticides in Soil samples by GCMS						
Carboxin	mg/kg dry wt	< 0.10	< 0.10	-	-	-
cis-Chlordane	mg/kg dry wt	< 0.017	< 0.018	-	-	-
trans-Chlordane	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Total Chlordane [(cis+trans)* 100/42]	mg/kg dry wt	< 0.04	< 0.04	-	-	-
Chlorfenvinphos	mg/kg dry wt	< 0.14	< 0.15	-	-	-
Chlorfluazuron	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Chlorothalonil	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Chlorpropham	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Chlorpyrifos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Chlorpyrifos-methyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Chlortoluron	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Chlozolate	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Coumaphos	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Cyanazine	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Cyfluthrin	mg/kg dry wt	< 0.13	< 0.13	-	-	-
Cyhalothrin	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Cypermethrin	mg/kg dry wt	< 0.3	< 0.3	-	-	-
Cyproconazole	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Cyprodinil	mg/kg dry wt	< 0.10	< 0.10	-	-	-
2,4'-DDD	mg/kg dry wt	< 0.017	< 0.018	-	-	-
4,4'-DDD	mg/kg dry wt	< 0.017	< 0.018	-	-	-
2,4'-DDE	mg/kg dry wt	< 0.017	< 0.018	-	-	-
4,4'-DDE	mg/kg dry wt	< 0.017	< 0.018	-	-	-
2,4'-DDT	mg/kg dry wt	< 0.017	< 0.018	-	-	-
4,4'-DDT	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Total DDT Isomers	mg/kg dry wt	< 0.10	< 0.11	-	-	-
Deltamethrin (including Tralomethrin)	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Demeton-S-methyl	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Diazinon	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Dichlobenil	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Dichlofenthion	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Dichlofluanid	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Dichloran	mg/kg dry wt	< 0.3	< 0.3	-	-	-
Dichlorvos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Dicofol	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Dicrotophos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Dieldrin	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Difenoconazole	mg/kg dry wt	< 0.14	< 0.15	-	-	-
Dimethoate	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Dinocap	mg/kg dry wt	< 1.2	< 1.2	-	-	-
Diphenylamine	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Disulfoton	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Diuron	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Endosulfan I	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Endosulfan II	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Endosulfan sulphate	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Endrin	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Endrin aldehyde	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Endrin ketone	mg/kg dry wt	< 0.017	< 0.018	-	-	-
EPN	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Esfenvalerate	mg/kg dry wt	< 0.14	< 0.15	-	-	-
Ethion	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Etrimfos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Famphur	mg/kg dry wt	< 0.10	< 0.10	-	-	-

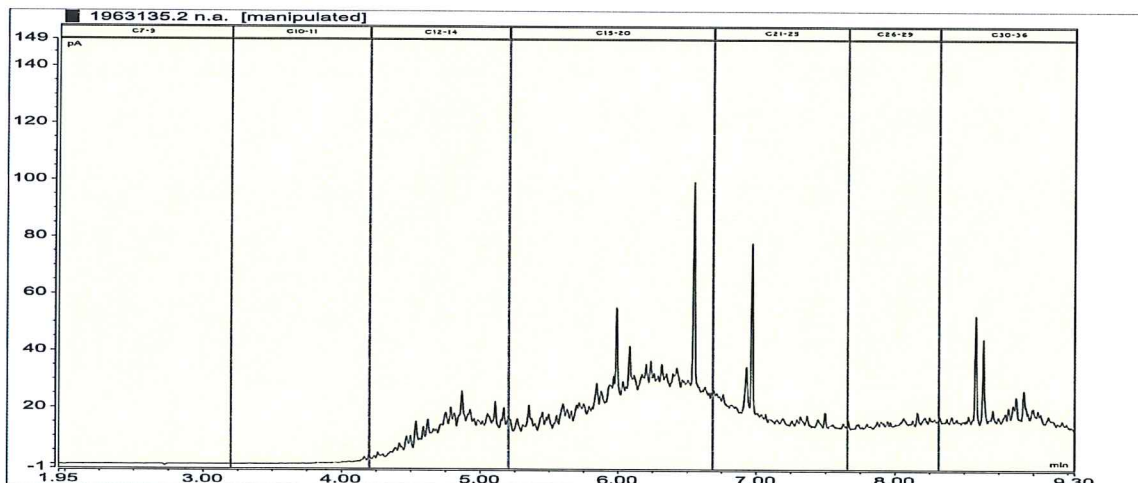
Sample Type: Miscellaneous						
Sample Name:	Compost Sample 1 13-Apr-2018	Compost Sample 2 13-Apr-2018				
Lab Number:	1963135.1	1963135.2				
Multiresidue Pesticides in Soil samples by GCMS						
Fenamiphos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Fenarimol	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Fenitrothion	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Fenpropathrin	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Fenpropimorph	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Fensulfothion	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Fenthion	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Fenvalerate	mg/kg dry wt	< 0.14	< 0.15	-	-	-
Fluazifop-butyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Fluometuron	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Flusilazole	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Fluvalinate	mg/kg dry wt	< 0.07	< 0.08	-	-	-
Folpet	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Furalaxyl	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Haloxyfop-methyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Heptachlor	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Heptachlor epoxide	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Hexachlorobenzene	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Hexaconazole	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Hexazinone	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Hexythiazox	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Imazalil	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Indoxacarb	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Iodofenphos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
IPBC (3-Iodo-2-propynyl-n-butylcarbamate)	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Isazophos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Isofenphos	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Kresoxim-methyl	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Leptophos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Linuron	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Malathion	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Metalaxyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Methacrifos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Methamidophos	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Methidathion	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Methiocarb	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Methoxychlor	mg/kg dry wt	< 0.017	< 0.018	-	-	-
Metolachlor	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Metribuzin	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Mevinphos	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Molinate	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Myclobutanil	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Naled	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Nitrofen	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Nitrothal-isopropyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Norflurazon	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Omethoate	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Oxadiazon	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Oxychlordan	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Oxyfluorfen	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Paclobutrazol	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Parathion-ethyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Parathion-methyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Penconazole	mg/kg dry wt	< 0.10	< 0.10	-	-	-

Sample Type: Miscellaneous						
Sample Name:		Compost Sample 1 13-Apr-2018	Compost Sample 2 13-Apr-2018			
Lab Number:		1963135.1	1963135.2			
Multiresidue Pesticides in Soil samples by GCMS						
Pendimethalin	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Permethrin	mg/kg dry wt	< 0.03	3.0	-	-	-
Phorate	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Phosmet	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Phosphamidon	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Pirimicarb	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Pirimiphos-methyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Prochloraz	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Procymidone	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Prometryn	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Propachlor	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Propanil	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Propazine	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Propetamphos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Propham	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Propiconazole	mg/kg dry wt	< 0.07	4.8	-	-	-
Prothiofos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Pyrazophos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Pyrifenox	mg/kg dry wt	< 0.14	< 0.15	-	-	-
Pyrimethanil	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Pyriproxyfen	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Quintozene	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Quizalofop-ethyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Simazine	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Simetryn	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Sulfentrazone	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Sulfotep	mg/kg dry wt	< 0.10	< 0.10	-	-	-
TCMTB [2-(thiocyanomethylthio)benzothiazole, Busan]	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Tebuconazole	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Tebufenpyrad	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Terbacil	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Terbufos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Terbumeton	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Terbuthylazine	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Terbuthylazine-desethyl	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Terbutryn	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Tetrachlorvinphos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Thiabendazole	mg/kg dry wt	< 0.5	< 0.5	-	-	-
Thiobencarb	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Thiometon	mg/kg dry wt	< 0.2	< 0.2	-	-	-
Tolylfluanid	mg/kg dry wt	< 0.05	< 0.05	-	-	-
Triadimefon	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Triazophos	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Trifluralin	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Vinclozolin	mg/kg dry wt	< 0.10	< 0.10	-	-	-
Total Petroleum Hydrocarbons in Soil						
C7 - C9	mg/kg dry wt	< 10	< 11	-	-	-
C10 - C14	mg/kg dry wt	22	1,350	-	-	-
C15 - C36	mg/kg dry wt	980	7,700	-	-	-
Total hydrocarbons (C7 - C36)	mg/kg dry wt	1,000	9,100	-	-	-

1963135.1
 Compost Sample 1 13-Apr-2018
 Client Chromatogram for TPH by FID



1963135.2
 Compost Sample 2 13-Apr-2018
 Client Chromatogram for TPH by FID



Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively clean matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis.

Sample Type: Miscellaneous			
Test	Method Description	Default Detection Limit	Sample No
Environmental Solids Sample Preparation	Air dried at 35°C and sieved, <2mm fraction. Used for sample preparation. May contain a residual moisture content of 2-5%.	-	1-2
Heavy metal screen level As,Cd,Cr,Cu,Ni,Pb,Zn	Dried sample, <2mm fraction. Nitric/Hydrochloric acid digestion, ICP-MS, screen level.	0.10 - 4 mg/kg dry wt	1-2
Multiresidue Pesticides in Soil samples by GCMS	Sonication extraction, GC-MS analysis. Tested on as received sample, then results corrected to a dry weight basis using the separate Dry Matter result.	0.003 - 0.06 mg/kg dry wt	1-2
Total Petroleum Hydrocarbons in Soil*	Sonication extraction in DCM, Silica cleanup, GC-FID analysis US EPA 8015B/MfE Petroleum Industry Guidelines. Tested on as received sample [KBIs:5786,2805,10734]	8 - 60 mg/kg dry wt	1-2
Dry Matter (Env)	Dried at 103°C for 4-22hr (removes 3-5% more water than air dry) , gravimetry. (Free water removed before analysis, non-soil objects such as sticks, leaves, grass and stones also removed). US EPA 3550.	0.10 g/100g as rcvd	1-2
Total Recoverable digestion*	Nitric / hydrochloric acid digestion. US EPA 200.2.	-	1-2

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Samples are held at the laboratory after reporting for a length of time depending on the preservation used and the stability of the analytes being tested. Once the storage period is completed the samples are discarded unless otherwise advised by the client.

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