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HISTORICAL SEARCH STATEMENT

RECORD OF ALTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged	Dealing Type and Details
19/10/1998	29/01/1999	TP012442M	Y	Cancelled by V699600W
19/10/1998	29/01/1999	TP012442M	Y	Partially Cancelled by V699600W

RECORD OF VOTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged
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STATEMENT END

Number: 10021384

Product Report

Search Type	Customer	Reference	Document
Historical	25700	cima	Title 10344/018

Historical Search Statement supplied.

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Incl GST:\$0.00 Fee: \$6.20

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HISTORICAL SEARCH STATEMENT

Produced 06/01/2010 12:20 PM

Volume 10344 Folio 018

Folio Creation: Created as a computer folio

Parent title Volume 05662 Folio 274

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HISTORICAL SEARCH STATEMENT

RECORD OF ALTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged	Dealing Type and Details
13/08/1997	22/10/1997	TP007724F	Y	Partially Cancelled by U925407X
13/08/1997	23/02/1999	U925407X	Y	TRANSFER FULLY CANCELLED SEE VOLUME 10351 FOLIO 934

RECORD OF VOTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged
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STATEMENT END

Number: **10021387**

Product Report

Search Type	Customer	Reference	Document
Historical	25700	cima	Title 5662/274

Historical Search Statement supplied.

Imaged title to be supplied.

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Incl GST: **\$0.00** Fee: **\$6.20**

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HISTORICAL SEARCH STATEMENT

Produced 06/01/2010 12:20 PM

Volume 05662 Folio 274

Folio Creation: Created as paper folio continued as computer folio

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HISTORICAL SEARCH STATEMENT

RECORD OF ALTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged	Dealing Type and Details
31/07/1997	29/08/1997	PS406791C	Y	Cancelled by U902608T

RECORD OF VOTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged
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STATEMENT END

FULLY CONVERTED TITLE
THIS IS A SUPERSEDED FOLIO OF THE REGISTER. Both text and diagram for this
Folio have been fully converted to a computer Folio.

CANCELLED

Entered in the Register Book

Vol. 5662 Vol. 1132274

A. J. Egan

Assistant Registrar of Titles

CLOSER SETTLEMENT ALLOTMENT.



George V.,

By the Grace of God of Great Britain Ireland and the British Dominions beyond the Seas, King, Defender of the Faith
EMPEROR OF INDIA. TO all to whom these presents shall come GREETING. WHEREAS in conformity with the laws relating
to the sale and occupation of Crown lands in Our State of Victoria available for closer settlement under the provisions of the *Closer Settlement Act 1928* or some *Closer Settlement*
Act previously in force [which Acts among other things as to land disposed of thereunder limit the area of such land that may be held by one person as beneficial owner to not more
than one allotment (as defined by the said Acts) under the penalty if any lands or any estate or interest in lands is held by any person as aforesaid contrary to the limitation aforesaid
such lands or so much thereof as may be held contrary to law or the estate or interest of which such person is beneficial owner therein becomes liable to be forfeited to Us] the person

hereinafter named has in consideration of the sum of *One thousand three hundred pounds* which sum has
been duly paid become entitled to a grant in fee simple of the surface and down to a depth of *fifty* feet below the surface of the land hereinafter described
the same being a CLOSER SETTLEMENT ALLOTMENT within the meaning of the said Acts namely a *Farm* ALLOTMENT

Now know ye that in consideration of the sum so paid and in pursuance of the laws Us in that behalf enabling We do hereby grant unto
Margaret McAnley of P. Alberts Widow

her heirs and assigns so much and such parts as lie above the depth of *fifty* feet below the surface of *all that piece of land* in the said State
containing *two hundred and fifty four acres and two perches more or less being Allotment twenty five*
of Section B in the Parish of Mountjoy County of Bourke

delimited with the measurements and abutments thereof in the map drawn in the margin of these presents and therein colored yellow. PROVIDED nevertheless that the grantees
shall be entitled to sink wells for water and to the use and enjoyment of any wells or springs of water upon or within the boundaries of the said land for any and for all
purposes as though she held the land without limitation as to depth. EXCEPTING nevertheless unto Us Our heirs and successors all gold and silver and minerals as
defined in the *Mines Act 1928* in upon or under or within the boundaries of the land hereby granted. AND also reserving to Us Our heirs and successors free liberty and
authority for Us Our heirs and successors and Our and their licensees agents and servants at any time or times hereafter to enter upon the said land and to search and mine
therein for gold silver and minerals as aforesaid and to extract and remove therefrom any such gold silver and minerals and to search for and work dispose of and
carry away the said gold silver and minerals lying in upon or under the land hereby granted and for the purposes aforesaid to sink shafts make drives erect machinery and
to carry on any works and do any other things which may be necessary or usual in mining and with all other incidents that are necessary to be used for the getting of the
said gold silver and minerals and the working of all mines seams lodes and deposits containing such gold silver and minerals in upon or under the land hereby granted

To hold unto the said *Margaret McAnley*

her heirs and assigns for ever.

PROVIDED ALWAYS that the said land is and shall be subject to be resumed for mining purposes under Section 168 of the *Land Act 1928*.
AND PROVIDED ALSO that the said land is and shall be subject to the right of any person being the holder of a miner's right or of a mining lease or mineral lease
under the *Mines Act 1928* or any corresponding previous enactment to enter therein and to mine for gold silver or minerals within the meaning
of the said Act and to erect and occupy mining plant or machinery thereon in the same manner and under the same conditions and provisions as
those to which such person would for the time being be entitled to mine for gold and silver in and upon Crown lands. PROVIDED that compensation shall be paid to the said

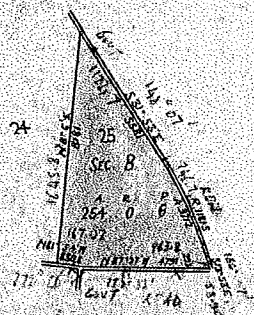
Margaret McAnley

her heirs executors administrators assigns or transferees by such person for surface damage to be done to such lands by reason of mining thereon such compensation to be
determined as provided for the time being by law and the payment thereof to be a condition
precedent to such right of entry.

Dated the *eighteenth* day of *March* in the year
of our Lord One thousand nine hundred and *Twenty two* being the day the
person herein named became entitled to this Grant.

In testimony whereof We have caused this Our Grant to be sealed at Melbourne
with the Seal of the said State. Witness Our trusty and well-beloved *Lieutenant Colonel*
The Honorable Sir William Hall Irvine
the Right Honorable *Arthur Munro Munro* Baroness Somers, Knight Commander of the
Most Distinguished Order of Saint Michael and Saint George, Companion of the Distinguished
Service Order, Military Cross, *Lieutenant* Governor of the said State of Victoria and its Dependencies in
the Commonwealth of Australia.

A. H. Irvine



102.8 ha.

PLAN S-8267
AFFECTS LAND HEREIN

NOTE.—The bearings and measurements are approximately given in this plan.
The measurements are in links.



T05662-274-1-6

FULLY CONVERTED TITLE
THIS IS A SUPERSEDED. FOLIO OF THE REGISTER. Both text and diagram for this
Folio have been fully converted to a computer Folio.

Transfer as to part no. 4902608 T
see vol 10244 fol 017
being Road R-1 Ps 406791C
cancelled as to balance
which is issued pursuant
to Section 32 (2) act 6399
see Vol 10344 fol 018 Lot one Ps 406791C
Registered 31-7-97



CANCELLED

DISCHARGED
MONTAGE to Mary Elizabeth Mitchell
Assistant Registrar of Titles
April 1932 registered numbered 675697
A. J. Gorse
Assistant Registrar of Titles

DISCHARGED
MONTAGE to Elsie Williams
Assistant Registrar of Titles
August 1934 registered numbered 700610
C. H. Williams
Assistant Registrar of Titles

The Commonwealth of Australia is
now the proprietor of the within described estate by
transfer registered on 2nd August 1937
and numbered 1657141

Assistant Registrar of Titles

Under Section 162 of Act No. 3656 the Closer Settlement Commission under Seal has certified that the land comprised in the within Crown Grant can be used to better advantage than for a Farm Allotment.

All restrictions and restraints other than those which may be inserted in a Crown Grant of a Selection Purchase-- Allotment under the Land Act 1928 cease to have any operation or effect.

See Correspondence No. 37/21242.

C. H. Williams
Assistant Registrar of Titles.
17th August 1937.

The Commonwealth of Australia is
now the proprietor of the within described estate by
transfer registered on 2nd August 1937
and numbered 1657141

C. H. Williams
Assistant Registrar of Titles

TRANSFER AS TO PART No. R650193 D
registered 21-11-91
CANCELLED AS TO PART
See Vol. 10057 Fol. 777



TRANSFER AS TO PART No. S.238759 G.
registered 26th November 1992.
CANCELLED AS TO PART
See Vol. 10102 fol. 187



Area 1.518 ha.

Scale: 1:10,000

Parcel: S 238759 G

105662-274-2-4

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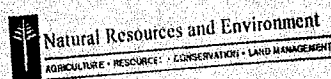
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FULLY CONVERTED TITLE
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**INTENTIONALLY
BLANK**

22 January, 2010

TO: Tamie Dick
Douglas Partners Pty Ltd

Fax: 9428 7841

Ph: 9428 1831

SEARCH FOR CATHODIC PROTECTION SYSTEMS

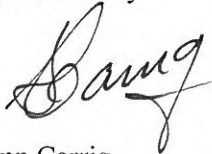
With reference to your email of 5/01/2010, a search of the CP database has failed to identify any cathodic protection systems that have been registered at the following location:

- **250 Taylors Road, Delahey**

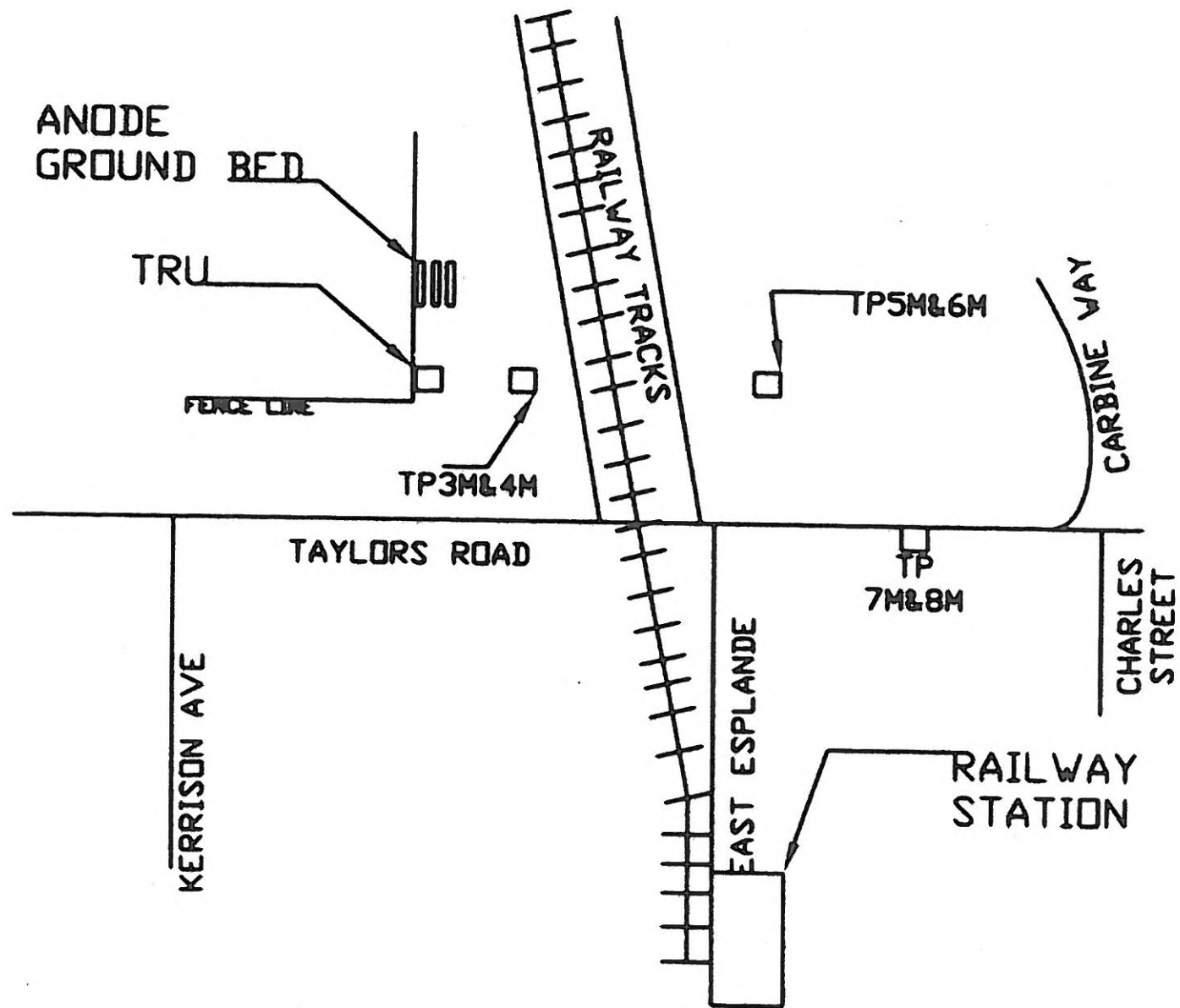
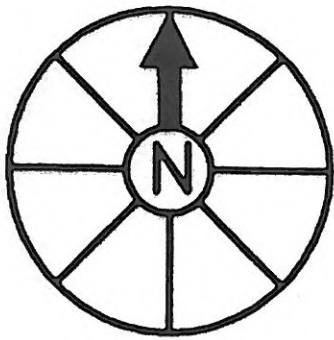
However, the search did indicate that an Impressed Current Cathodic Protection Unit and Ground Bed are located on the south-east boundary line fence of the property in what appears to be the railway line easement.

Please find enclosed a sketch and drawing for your perusal.

Yours sincerely



Glenn Carrig
MANAGER ELECTROLYSIS MITIGATION



LOCALITY
PLAN

PRIORITY SITES REGISTER

Information as at 30 November 2018

The Priority Sites Register is updated monthly and the information on it may not be accurate, current or complete and may be subject to change without notice.

EPA has a key responsibility in protecting beneficial uses of land. Many of these uses are regulated or controlled through a range of measures to prevent contamination of land and groundwater. Land contaminated by former waste disposal, industrial and similar activities is frequently discovered during changes to land use - for example, from industrial to residential use. In most cases these can be managed at the time that the change of land use occurs. Some sites however, present a potential risk to human health or to the environment and must be dealt with as a priority. Such sites are typically subject to clean-up and/or management under EPA directions.

WHAT ARE PRIORITY SITES?

Priority Sites are sites for which EPA has issued a Clean Up Notice pursuant to section 62A, or a Pollution Abatement Notice pursuant to section 31A or 31B (relevant to land and/or groundwater) of the *Environment Protection Act 1970*. Typically these are sites where pollution of land and/or groundwater presents a potential risk to human health or to the environment. The condition of these sites is not compatible with the current or approved use of the site without active management to reduce the risk to human health and the environment. Such management can include clean up, monitoring and/or institutional controls.

The Priority Sites Register does not list sites managed by voluntary agreements or sites subject to management by planning controls (e.g. sites managed in accordance with a section 173 agreement under the *Planning and Environment Act 1987*). Land purchasers should be aware of these limitations and make their own enquiries. A site is listed on the Priority Sites Register when EPA issues a Clean Up Notice or a Pollution Abatement Notice (relevant to land and/or groundwater). A notice is a means by which EPA formalises requirements to manage pollution. Sites are removed from the Priority Sites Register once all conditions of a Notice have been complied with. This is formalised through a Notice of Revocation pursuant to section 60B of the Act.

DISCLAIMER

Users of this site accept all risks and responsibilities for losses, damages, costs and other consequences resulting directly or indirectly from use of this site and information from it.

To the maximum permitted by law, the EPA excludes all liability to any person directly or indirectly from using this site and information from it.

FURTHER INFORMATION

Additional information is available from:

EPA Information Centre
200 Victoria Street
Carlton VIC 3053
1300 EPA VIC (1300 372 842)
www.epa.vic.gov.au

Municipality	Suburb	Address	Issue	Notice Number
Ararat Rural City Council	ARARAT	26 Grano ST	Former Industrial Site. Requires assessment and/or clean up.	0090001739
Ballarat City Council	BALLARAT	1003 Humffray ST	Former Industrial Site. Requires assessment and/or clean up.	0090001857
Ballarat City Council	BALLARAT	Volume 6747 Folio 250	Current Industrial Site. Requires assessment and/or clean up.	0090001913
Ballarat City Council	MOUNT CLEAR	3 WHITEHORSE RD	Former Landfill. Requires ongoing management.	0090003912
Ballarat City Council	MOUNT CLEAR	Whitehorse RD	Former Landfill. Requires assessment and/or clean up.	0090004206
Ballarat City Council	MOUNT CLEAR	Whitehorse RD	Former Landfill. Requires assessment and/or clean up.	0090004207
Ballarat City Council	BUNKERS HILL	856 Greenhalghs RD	Current Industrial Site. Requires ongoing management.	0090004647
Ballarat City Council	Black Hill	Crown Allotment 13A Section 35 Township of Ballarat East	Former Landfill. Requires assessment and/or clean up.	0090007863
Ballarat City Council	Black Hill	Crown Allotment 13A Section 35 Township of Ballarat East	Former Landfill. Requires assessment and/or clean up.	0090007864
Ballarat City Council	Sebastopol	Crown Allotment A Section 9	Gun, pistol or rifle range. Requires assessment and/or clean up.	0090008981
Bass Coast Shire Council	WONTHAGGI	C/a 15 Section 58 Cameron St	Former Landfill. Requires ongoing management.	0090006816

PRIORITY SITES REGISTER

Information as at 30 November 2018

Municipality	Suburb	Address	Issue	Notice Number
Baw Baw Shire Council	TRAFALGAR SOUTH	200 GILES RD	Former Landfill. Requires ongoing management.	0090007302
Baw Baw Shire Council	Jindivick	15 Beattie RD	Illegal dumping. Requires assessment and/or clean up.	0090008457
Bayside City Council	BRIGHTON	322 NEW ST	Former Service Station. Requires assessment and/or clean up.	0090003577
Bayside City Council	CHELTENHAM	Lot 2, PS802507T 322-328 Bay Road	Former chemical storage facility. Requires assessment and/or clean up.	0090007313
Bayside City Council	CHELTENHAM	322 - 328 BAY RD	Former chemical storage facility. Requires assessment and/or clean up.	0090007751
Bayside City Council	Cheltenham	Lot 3, PS802507T 322-328 Bay Road	Former chemical storage facility. Requires assessment and/or clean up.	0090007752
Bayside City Council	CHELTENHAM	322 - 328 BAY RD	Former chemical storage facility. Requires assessment and/or clean up.	0090007753
Bayside City Council	CHELTENHAM	Lot 2, PS802507T 322-328 Bay Road	Current Industrial Site. Requires ongoing management.	0090008422
Bayside City Council	Brighton	(Part) Lot 2/TP963646N (As per Section 5, Figure 1.0 Current	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090008780
Brimbank City Council	SYDENHAM	362 SYDENHAM RD	Former Landfill. Requires assessment and/or clean up.	0090000921
Brimbank City Council	SUNSHINE NORTH	47 MCINTYRE RD	Former Industrial Site. Requires ongoing management.	0090001549
Brimbank City Council	DEER PARK	765 BALLARAT RD	Former Industrial Site. Requires assessment and/or clean up.	0090001886
Brimbank City Council	SUNSHINE	16 - 20 THIRD AV	Current Industrial Site. Requires assessment and/or clean up.	0090003227
Brimbank City Council	BROOKLYN	594 GEELONG RD	Former Landfill. Requires ongoing management.	0090003478
Brimbank City Council	BROOKLYN	44 - 60 Mcdonald RD	Former Landfill. Requires ongoing management.	0090003591
Brimbank City Council	SYDENHAM	362 SYDENHAM RD	Former Landfill. Requires ongoing management.	0090003753
Brimbank City Council	TULLAMARINE	6 Prima Court EISNER CT	Illegal dumping. Requires assessment and/or clean up.	0090005495
Brimbank City Council	ST ALBANS & ALBION	137A Denton Ave & 27 Carrington Drv	Former Landfill. Requires ongoing management.	0090005541
Brimbank City Council	KEILOR DOWNS	Green Gully RD	Former Landfill. Requires ongoing management.	0090005738
Brimbank City Council	Cairnlea	Lot C of Draft Plan of Subdivision PS 801014Y	Contaminated soil is retained and managed onsite. Requires ongoing management.	0090005971
Brimbank City Council	BROOKLYN	174 OLD GEELONG RD	Former Landfill. Requires ongoing management.	0090006102
Brimbank City Council	ARDEER	22 - 24 REID ST	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090007084
Brimbank City Council	SUNSHINE NORTH	49 AUBURN AV	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090007459
Brimbank City Council	SUNSHINE NORTH	49 AUBURN AV	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090007621
Brimbank City Council	Albion	SUNSHINE ENERGY PARK 570A Ballarat Road And	Former Landfill. Requires ongoing management.	0090007761
Brimbank City Council	BROOKLYN	52 - 60 MARKET RD	Former Landfill. Requires ongoing management.	0090007782
Brimbank City Council	ARDEER	14A & 14-18 REID STREET	Current Industrial Site. Requires assessment and/or clean up.	0090008190
Brimbank City Council	SUNSHINE NORTH	62 Spalding AV	Current Industrial Site. Requires assessment and/or clean up.	0090008253
Brimbank City Council	Keilor	Old St Albans Road	Illegal dumping. Requires assessment and/or clean up.	0090008406
Brimbank City Council	Keilor	Green Gully Road and Old St Albans Roads	Illegal dumping. Requires assessment and/or clean up.	0090008414
Brimbank City Council	KEILOR	Brimbank Park Reserve Vol/ Portfolios 11751/657, 11751/656	Illegal dumping. Requires assessment and/or clean up.	0090008415
Brimbank City Council	KEILOR	Brimbank Park Reserve / Vol/ Portfolios 09085/382 and 11223/597	Illegal dumping. Requires assessment and/or clean up.	0090008416
Brimbank City Council	KEILOR	Brimbank Park Reserve - Old St Albans Road	Illegal dumping. Requires assessment and/or clean up.	0090008417
Brimbank City Council	BROOKLYN	69 BUNTING RD	Current Industrial Site. Requires assessment and/or clean up.	0090008957

PRIORITY SITES REGISTER

Information as at 30 November 2018

Municipality	Suburb	Address	Issue	Notice Number
Brimbank City Council	DEER PARK	753 Tilburn RD	Contaminated soil is retained and managed onsite. Requires assessment and/or clean up.	0090009143
Buloke Shire Council	DONALD	22 (LOTS 40-45\LP8761) NAPIER ST	Former petroleum storage site. Requires assessment and/or clean up.	0090007710
Buloke Shire Council	BIRCHIP	CA 53B-D Parish of Wirmbirchip, SUNRAYSIA HWY	Former Landfill. Requires ongoing management.	0090009001
Campaspe Shire Council	BAMAWM EXTENSION	1133 ECHUCA-MITIAMO RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090001745
Campaspe Shire Council	DIGGORA	ODONNELL RD	Former Landfill. Requires ongoing management.	0090006552
Campaspe Shire Council	KYABRAM	Graham RD	Former Landfill. Requires ongoing management.	0090007207
Campaspe Shire Council	ECHUCA	436 MCKENZIE RD	Former Landfill. Requires ongoing management.	0090007220
Campaspe Shire Council	ECHUCA	176 - 190 OGILVIE AV	Former petroleum storage site. Requires assessment and/or clean up.	0090008435
Campaspe Shire Council	ECHUCA	110 - 112 STURT ST	Former Service Station. Requires ongoing management.	0090008471
Campaspe Shire Council	BURRAMBOOT	980 TWO TREE ROAD	Solid inert waste has been dumped at the site. Requires assessment and/or clean up.	0090009045
Campaspe Shire Council	Kanyapella	Unused Road South of Lot 3, PS529170 West of Fraser Road	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090009402
Cardinia Shire Council	PAKENHAM	570 Bald Hill Road	Former Landfill. Requires ongoing management.	0090003597
Casey City Council	NARRE WARREN	188 QUARRY RD	Former Landfill. Requires ongoing management.	0090003600
Casey City Council	CRANBOURNE	Lot 7, 9, 10, 11 & 12 Stevensons Rd	Former Landfill. Requires ongoing management.	0090006965
Casey City Council	HAMPTON PARK	335 POUND RD	Current Service Station. Requires assessment and/or clean up.	0090008761
Central Goldfields Shire Council	MARYBOROUGH	53 - 55 HIGH ST	Current Service Station. Requires assessment and/or clean up.	0090005850
Central Goldfields Shire Council	CARISBROOK	129 WILLIAMS RD	Former Landfill. Requires ongoing management.	0090006580
Colac-Otway Shire Council	COLAC	Bruce ST	Former Landfill. Requires ongoing management.	0090001464
Colac-Otway Shire Council	MARENGO	Roberts RD	Former Landfill. Requires ongoing management.	0090003634
Colac-Otway Shire Council	COLAC	2 - 34 BRUCE ST	Former Landfill. Requires ongoing management.	0090003696
Corangamite Shire Council	GLENORMISTON	Terang-Mortlake RD	Former Landfill. Requires ongoing management.	0090003621
Corangamite Shire Council	GLENORMISTON	Terang-Mortlake RD	Former Landfill. Requires ongoing management.	0090003622
Corangamite Shire Council	TERANG	59 BEND RD	Current Industrial Site. Requires assessment and/or clean up.	0090007044
Corangamite Shire Council	TERANG	59 BEND RD	Current Industrial Site. Requires assessment and/or clean up.	0090007045
Darebin City Council	PRESTON	67 - 79 High ST	Former Service Station. Requires assessment and/or clean up.	0090001449
Darebin City Council	NORTHCOTE	Clifton ST	Former Landfill. Requires ongoing management.	0090003493
Darebin City Council	RESERVOIR	87 Newlands RD	Former Landfill. Requires ongoing management.	0090003508
Darebin City Council	PRESTON	194 - 202 Bell ST	Former Industrial Site. Requires assessment and/or clean up.	0090006966
East Gippsland Shire Council	BAIRNSDALE	68 GILES ST	Former Landfill. Requires ongoing management.	0090006577
East Gippsland Shire Council	ORBOST	44 SALISBURY ST	Former Service Station. Requires assessment and/or clean up.	0090008454
Frankston City Council	FRANKSTON	MCCLELLAND DR	Former Landfill. Requires ongoing management.	0090003594
Gannawarra Shire Council	Horfield	909 Leitchville-Kerang RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090009386
Gannawarra Shire Council	Horfield	909 Leitchville-Kerang RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090009400
Glen Eira City Council	CAULFIELD SOUTH	818 Glen Huntly RD	Former Service Station. Requires assessment and/or clean up.	0090004221
Glen Eira City Council	CAULFIELD SOUTH	371 Hawthorn RD	Former Service Station. Requires assessment and/or clean up.	0090008991

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Municipality	Suburb	Address	Issue	Notice Number
Greater Bendigo City Council	BENDIGO	Crown Allotment 432E, Section E Parish of Sandhurst, Bendigo	Former Landfill. Requires assessment and/or clean up.	0090007131
Greater Bendigo City Council	Huntly	29 Caellis Road	Current Industrial Site. Requires assessment and/or clean up.	0090007149
Greater Bendigo City Council	HEATHCOTE	90 HIGH ST	Former Service Station. Requires assessment and/or clean up.	0090007629
Greater Bendigo City Council	West Bendigo	Liddell's Calcine Sands Derwent Gully Road	Historical deposit of mine tailings. Requires ongoing management.	0090007892
Greater Bendigo City Council	TOOLLEEN	Lot 1, Plan LP219765 Aylett Road	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090008631
Greater Bendigo City Council	HUNTLY NORTH	359 BENDIGO-TENNYSON RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090008932
Greater Dandenong City Council	SPRINGVALE SOUTH	East Side Of Clarke RD	Former Landfill. Requires ongoing management.	0090000608
Greater Dandenong City Council	SPRINGVALE SOUTH	East Side Of Clarke RD	Former Landfill. Requires ongoing management.	0090003693
Greater Dandenong City Council	SPRINGVALE SOUTH	169-222 Clarke Road	Former Landfill. Requires ongoing management.	0090003848
Greater Dandenong City Council	SPRINGVALE SOUTH	169-222 Clarke Road	Former Landfill. Requires ongoing management.	0090003850
Greater Dandenong City Council	DANDENONG SOUTH	185 Dandenong-Hastings RD	Former Landfill. Requires ongoing management.	0090004214
Greater Dandenong City Council	DANDENONG SOUTH	Greens Road GREENS RD	Current waste water treatment plant. Requires ongoing management.	0090006097
Greater Dandenong City Council	SPRINGVALE SOUTH	169-222 Clarke Road	Former Landfill. Requires ongoing management.	0090006951
Greater Dandenong City Council	Bangholme	Cnr Thompson Road and Worsley Road	Current Industrial Site. Requires ongoing management.	0090007162
Greater Dandenong City Council	SPRINGVALE	917 Princes HWY	Former Industrial Site. Requires ongoing management.	0090007482
Greater Dandenong City Council	Springvale South	98-100 Clarke Road	Former Landfill. Requires ongoing management.	0090007896
Greater Dandenong City Council	SPRINGVALE	310 Springvale RD	Current Service Station. Requires assessment and/or clean up.	0090008639
Greater Dandenong City Council	SPRINGVALE SOUTH	East Side Of Clarke RD	Former Landfill. Requires assessment and/or clean up.	0090008992
Greater Geelong City Council	CORIO	Off Harpur RD	Former Service Station. Requires assessment and/or clean up.	0090000782
Greater Geelong City Council	LARA	Princes HWY	Accidental spill/leak (non-industrial site). Requires assessment and/or clean up.	0090001012
Greater Geelong City Council	GEELONG NORTH	1 - 39 Roseneath ST	Former chemical storage facility. Requires assessment and/or clean up.	0090001664
Greater Geelong City Council	DRYSDALE	97 High ST	Current Service Station. Requires ongoing management.	0090001808
Greater Geelong City Council	CORIO	83 Purnell RD	Current Service Station. Requires ongoing management.	0090002343
Greater Geelong City Council	NORTH GEELONG	343 - 363 MELBOURNE RD	Former Industrial Site. Requires assessment and/or clean up.	0090004124
Greater Geelong City Council	NORLANE	5 - 19 PRINCES HWY	Former Industrial Site. Requires assessment and/or clean up.	0090004126
Greater Geelong City Council	NORLANE	60 - 80 NORTH SHORE RD	Current Industrial Site. Requires assessment and/or clean up.	0090004132
Greater Geelong City Council	CORIO	1500 - 1580 BIDDLECOMBE AV	Former Landfill. Requires ongoing management.	0090004271
Greater Geelong City Council	BALLAN	1 6511 Western FWY	Current Service Station. Requires ongoing management.	0090006079
Greater Geelong City Council	CORIO	246 - 258 Princes HWY	Current petroleum storage site. Requires ongoing management.	0090006264
Greater Geelong City Council	CORIO	90 REFINERY RD	Current petroleum storage site. Requires ongoing management.	0090006483
Greater Geelong City Council	EAST GEELONG	101 - 161 HEARNE PDE	Gun, pistol or rifle range. Requires assessment and/or clean up.	0090006642

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Greater Geelong City Council	NORTH SHORE	121 - 171 SEABEACH PDE	Former Industrial Site. Requires assessment and/or clean up.	0090008221
Greater Geelong City Council	Belmont	180 - 182 Barwon Heads RD	Former Service Station. Requires ongoing management.	0090008395
Greater Geelong City Council	POINT HENRY	420 Point Henry RD	Contaminated soil is retained and managed onsite. Requires ongoing management.	0090008914
Greater Geelong City Council	MANIFOLD HEIGHTS	35 - 37 Shannon AV	Former Service Station. Requires ongoing management.	0090009022
Greater Shepparton City Council	SHEPPARTON NORTH	280 Daldy RD	Former Industrial Site. Requires assessment and/or clean up.	0090001776
Greater Shepparton City Council	COSGROVE	205 COSGROVE-LEMNOS RD	Former Landfill. Requires ongoing management.	0090006807
Greater Shepparton City Council	MURCHISON	310 WOOLSHED RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090008597
Hepburn Shire Council	CRESWICK	C/A45a Section 48A Township of Creswick Parish of Creswick	Former Landfill. Requires ongoing management.	0090006899
Hepburn Shire Council	DAYLESFORD	47 RAGLAN ST	Current Service Station. Requires ongoing management.	0090008622
Hepburn Shire Council	TRENTHAM	10 STATION ST	Current Industrial Site. Requires assessment and/or clean up.	0090008722
Hobsons Bay City Council	SOUTH KINGSVILLE	38 - 48 Blackshaws RD	Former Industrial Site. Requires ongoing management.	0090002381
Hobsons Bay City Council	SPOTSWOOD	144 - 150 HALL ST	Current Industrial Site. Requires assessment and/or clean up.	0090003301
Hobsons Bay City Council	ALTONA	401 - 435 Kororoit Creek RD	Current Industrial Site. Requires assessment and/or clean up.	0090003368
Hobsons Bay City Council	ALTONA	Queens ST	Former Landfill. Requires ongoing management.	0090003472
Hobsons Bay City Council	BROOKLYN	Hardie RD	Former Landfill. Requires ongoing management.	0090003487
Hobsons Bay City Council	ALTONA NORTH	Kyle RD	Former Landfill. Requires ongoing management.	0090003527
Hobsons Bay City Council	ALTONA	541 - 583 Kororoit Creek RD	Current Industrial Site. Requires assessment and/or clean up.	0090005374
Hobsons Bay City Council	SPOTSWOOD	512 - 578 Melbourne RD	Railway yard. Requires ongoing management.	0090005636
Hobsons Bay City Council	ALTONA MEADOWS	306 - 316 QUEEN ST	Current Service Station. Requires ongoing management.	0090006760
Hobsons Bay City Council	ALTONA	25 LINNET ST	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090006781
Hobsons Bay City Council	NEWPORT	411 DOUGLAS PDE	Current petroleum storage site. Requires assessment and/or clean up.	0090006881
Hobsons Bay City Council	NEWPORT	Underground Section Of Petroleum Pipelines That Run Under Champion Rd	Accidental spill/leak (non-industrial site). Requires assessment and/or clean up.	0090006968
Hobsons Bay City Council	ALTONA	351 - 381 MILLERS RD	Current Industrial Site. Requires ongoing management.	0090007005
Hobsons Bay City Council	ALTONA	521 - 537 Kororoit Creek RD	Current Industrial Site. Requires assessment and/or clean up.	0090007105
Hobsons Bay City Council	SPOTSWOOD	18 - 24 Drake ST	Former petroleum storage site. Requires assessment and/or clean up.	0090007126
Hobsons Bay City Council	YARRAVILLE	29 FRANCIS STREET	Current petroleum storage site. Requires ongoing management.	0090007570
Hobsons Bay City Council	ALTONA NORTH	400 - 498 Grieve PDE	Current Industrial Site. Requires assessment and/or clean up.	0090008356
Hobsons Bay City Council	ALTONA	351 - 381 MILLERS RD	Current petroleum storage site. Requires ongoing management.	0090008552
Hobsons Bay City Council	SPOTSWOOD	39 - 81 BURLEIGH ST	Current Industrial Site. Requires ongoing management.	0090008619
Hobsons Bay City Council	ALTONA	471 - 513 KOROROIT CREEK RD	Current Industrial Site. Requires assessment and/or clean up.	0090009008
Hobsons Bay City Council	ALTONA NORTH	2 NEW ST	Former Industrial Site. Requires assessment and/or clean up.	0090009060

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Municipality	Suburb	Address	Issue	Notice Number
Hobsons Bay City Council	ALTONA MEADOWS	99 - 143 CENTRAL AV	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090009114
Horsham Rural City Council	Longerenong	Corner of West and Centre Roads	Current Industrial Site. Requires assessment and/or clean up.	0090007170
Horsham Rural City Council	Horsham	Lot 1 TP894637 Parish of Horsham	Former petroleum storage site. Requires assessment and/or clean up.	0090009145
Horsham Rural City Council	HORSHAM	15 - 17 MILL ST	Former petroleum storage site. Requires assessment and/or clean up.	0090009146
Hume City Council	BULLA	315 Loemans RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090000177
Hume City Council	CAMPBELLFIELD	1735 Sydney RD	Current Industrial Site. Requires assessment and/or clean up.	0090002373
Hume City Council	CRAIGIEBURN	Craigieburn RD	Former Landfill. Requires ongoing management.	0090003107
Hume City Council	CRAIGIEBURN	Craigieburn RD	Former Landfill. Requires ongoing management.	0090003475
Hume City Council	CAMPBELLFIELD	468 - 472 MAHONEY'S RD	Former Landfill. Requires ongoing management.	0090003496
Hume City Council	DIGGERS REST	65 EDWARDS RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090003640
Hume City Council	MELBOURNE AIRPORT	206 - 300 WESTERN AV	Former Landfill. Requires ongoing management.	0090004621
Hume City Council	SUNBURY	45 - 55 DEVERALL RD	Illegal dumping. Requires assessment and/or clean up.	0090005274
Hume City Council	WILDWOOD	275 KONAGADERRA RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090006247
Hume City Council	DIGGERS REST	205 BULLA-DIGGERS REST RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090007300
Hume City Council	SOMERTON	70 CLIFFORDS RD	Current Industrial Site. Requires ongoing management.	0090007724
Hume City Council	Greenvale	Mitchell Lasry Quarry 555 Mickleham Road	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090007757
Hume City Council	KEILOR	145 Annandale RD	Former Landfill. Requires ongoing management.	0090007798
Hume City Council	CAMPBELLFIELD	1-71 & 2-70 BOLINDA RD	Former Landfill. Requires ongoing management.	0090007850
Hume City Council	ATTWOOD	7 SAINSBURY CT	Illegal dumping. Requires assessment and/or clean up.	0090008272
Hume City Council	CAMPBELLFIELD	166 Northbourne RD	Current Industrial Site. Requires assessment and/or clean up.	0090008413
Hume City Council	SUNBURY	53 - 55 HORNE ST	Current Service Station. Requires assessment and/or clean up.	0090008714
Hume City Council	SOMERTON	208 HUME HWY	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090008727
Hume City Council	BULLA	500 SUNBURY RD	Current landfill. Requires ongoing management.	0090008885
Kingston City Council	MOORABBIN	1 10 Ebden ST	Former Industrial Site. Requires ongoing management.	0090002273
Kingston City Council	CLAYTON SOUTH	8 Elder ST	Former Landfill. Requires ongoing management.	0090003610
Kingston City Council	CHELSEA	84 - 130 THAMES PROM	Former Landfill. Requires ongoing management.	0090003613
Kingston City Council	DINGLEY VILLAGE	Spring Road & Rowan Road DINGLEY VILLAGE VIC 3172	Former Landfill. Requires assessment and/or clean up.	0090003857
Kingston City Council	MENTONE	17 BALCOMBE RD	Former petroleum storage site. Requires assessment and/or clean up.	0090006641
Kingston City Council	CLAYTON SOUTH	Cnr Deals RD & Heatherton RD	Former Landfill. Requires ongoing management.	0090006972
Kingston City Council	CLAYTON SOUTH	654 - 718 CLAYTON RD	Former Landfill. Requires ongoing management.	0090007014
Kingston City Council	OAKLEIGH SOUTH	19-71 CARROLL RD	Former Landfill. Requires ongoing management.	0090007021
Kingston City Council	CLAYTON SOUTH	Cnr Clayton & Ryans RDS	Former Landfill. Requires ongoing management.	0090007125
Kingston City Council	Dingley Village	Spring Road & Rowan Road DINGLEY VILLAGE VIC 3172	Former Landfill. Requires ongoing management.	0090007189
Kingston City Council	DINGLEY	370 - 418 Old Dandenong RD	Former Landfill. Requires ongoing management.	0090008100
Kingston City Council	HEATHERTON	16 BALL RD	Former Landfill. Requires ongoing management.	0090008425
Kingston City Council	CLAYTON SOUTH	FRASER RD	Former Landfill. Requires ongoing management.	0090008726
Kingston City Council	CLAYTON SOUTH	623-633 HEATHERTON ROAD, CLAYTON SOUTH VIC 3169	Former Landfill. Requires ongoing management.	0090008747

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Municipality	Suburb	Address	Issue	Notice Number
Kingston City Council	CLARINDA	3 VICTORY RD	Former Landfill. Requires assessment and/or clean up.	0090008871
Kingston City Council	CLAYTON SOUTH	RYANS and DEALS RD	Former Landfill. Requires assessment and/or clean up.	0090008890
Kingston City Council	HEATHERTON	Crn Henry Street and Old Dandenong Road	Former Landfill. Requires ongoing management.	0090008924
Kingston City Council	CLAYTON SOUTH	Cnr Deals RD & Heatherton RD	Former Landfill. Requires assessment and/or clean up.	0090009009
Kingston City Council	CLAYTON SOUTH	Cnr Clayton & Ryans Roads	Former Landfill. Requires assessment and/or clean up.	0090009061
Kingston City Council	CLAYTON SOUTH	1486 - 1550 CENTRE RD	Former Industrial Site. Requires ongoing management.	0090009073
Kingston City Council	HEATHERTON	Crn Henry Street and Old Dandenong Road	Former Landfill. Requires assessment and/or clean up.	0090009101
Kingston City Council	CLAYTON SOUTH	RYANS and DEALS RD	Former Landfill. Requires ongoing management.	0090009103
Kingston City Council	CLAYTON SOUTH	Cnr Deals RD & Heatherton RD	Former Landfill. Requires ongoing management.	0090009156
Kingston City Council	CLAYTON SOUTH	Cnr Deals RD & Heatherton RD	Former Landfill. Requires assessment and/or clean up.	0090009157
Kingston City Council	CLAYTON SOUTH	FRASER RD	Former Landfill. Requires ongoing management.	0090009179
Kingston City Council	CHELTENHAM	5 - 13 ELMA RD	Current Industrial Site. Requires assessment and/or clean up.	0090009240
Knox City Council	Wantirna	750A Boronia RD	Illegal dumping. Requires assessment and/or clean up.	0090000181
Knox City Council	WANTIRNA SOUTH	1180 HIGH STREET RD 251 GEORGE ST	Former Landfill. Requires ongoing management.	0090006480
Knox City Council	WANTIRNA SOUTH	14 COPPELIA ST	Former Landfill. Requires ongoing management.	0090007017
Knox City Council	ROWVILLE	1215 STUD RD	Current Service Station. Requires assessment and/or clean up.	0090008139
Knox City Council	WANTIRNA	750 BORONIA RD	Illegal dumping. Requires assessment and/or clean up.	0090008817
Latrobe City Council	TRARALGON SOUTH	Loy Yang B3/4 Bartons Lane	Ash pond with a Groundwater Attenuation Zone. Requires ongoing management.	0090002894
Latrobe City Council	MORWELL	412 COMMERCIAL RD	Former Industrial Site. Requires assessment and/or clean up.	0090008680
Latrobe City Council	Hazelwood North	Lot 2, PS533418 Monash Way	Illegal dumping. Requires assessment and/or clean up.	0090008833
Latrobe City Council	MORWELL	145 - 147 PRINCES DR	Former Service Station. Requires assessment and/or clean up.	0090008958
Macedon Ranges Shire Council	LANCEFIELD	Baynton (Lot 16 LP208950) RD	Former Landfill. Requires ongoing management.	0090005294
Macedon Ranges Shire Council	ROMSEY	2 33 MAIN ST	Current Service Station. Requires assessment and/or clean up.	0090005361
Macedon Ranges Shire Council	KYNETON	Redesdale (Lot 24D\PP2979) RD	Former Landfill. Requires ongoing management.	0090006370
Macedon Ranges Shire Council	BULLENGAROOK	531 Hobbs RD	Former Landfill. Requires ongoing management.	0090006708
Macedon Ranges Shire Council	GISBORNE	9 STATION RD	Former petroleum storage site. Requires assessment and/or clean up.	0090008336
Manningham City Council	PARK ORCHARDS	20 - 26 STINTONS RD	Illegal dumping. Requires assessment and/or clean up.	0090005987
Manningham City Council	PARK ORCHARDS	20 - 26 STINTONS RD	Illegal dumping. Requires assessment and/or clean up.	0090005988
Manningham City Council	PARK ORCHARDS	20 - 26 STINTONS RD	Illegal dumping. Requires assessment and/or clean up.	0090005989
Manningham City Council	PARK ORCHARDS	20 - 26 STINTONS RD	Illegal dumping. Requires assessment and/or clean up.	0090006690
Mansfield Shire Council	MANSFIELD	Monkey Gully RD	Former Landfill. Requires ongoing management.	0090007633
Maribyrnong City Council	YARRAVILLE	1 - 3 High ST	Former Industrial Site. Requires ongoing management.	0090000134
Maribyrnong City Council	TOTTENHAM	550 GEELONG RD	Former Industrial Site. Requires assessment and/or clean up.	0090002056

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Municipality	Suburb	Address	Issue	Notice Number
Maribyrnong City Council	YARRAVILLE	221 Whitehall ST	Former Industrial Site. Requires ongoing management.	0090003331
Maribyrnong City Council	FOOTSCRAY	Farnsworth AV	Former Landfill. Requires ongoing management.	0090003484
Maribyrnong City Council	MAIDSTONE	9 - 15 WILLIAMSON RD	Former Industrial Site. Requires assessment and/or clean up.	0090003767
Maribyrnong City Council	MAIDSTONE	9 - 15 WILLIAMSON RD	Former Industrial Site. Requires assessment and/or clean up.	0090003768
Maribyrnong City Council	TOTTENHAM	550 GEELONG RD	Illegal dumping. Requires assessment and/or clean up.	0090004455
Maribyrnong City Council	YARRAVILLE	2A FRANCIS ST	Former Industrial Site. Requires assessment and/or clean up.	0090006320
Maribyrnong City Council	WEST FOOTSCRAY	1 - 19 Graingers RD	Former chemical storage facility. Requires assessment and/or clean up.	0090006322
Maribyrnong City Council	YARRAVILLE	325 WHITEHALL STREET	Former Industrial Site. Requires assessment and/or clean up.	0090006664
Maribyrnong City Council	BRAYBROOK	30 - 38 SOUTH RD	Current Industrial Site. Requires assessment and/or clean up.	0090007873
Maribyrnong City Council	YARRAVILLE	325 WHITEHALL STREET	Former Industrial Site. Requires assessment and/or clean up.	0090008694
Maroondah City Council	RINGWOOD EAST	18 Mount Dandenong RD	Current Service Station. Requires ongoing management.	0090008258
Maroondah City Council	RINGWOOD EAST	382 - 386 CANTERBURY RD	Current Service Station. Requires assessment and/or clean up.	0090009013
Melbourne City Council	KENSINGTON	71 - 89 HOBSONS RD	Contaminated soil is retained and managed onsite. Requires assessment and/or clean up.	0090007064
Melbourne City Council	PORT MELBOURNE	2 WEST GATE FWY	Current Service Station. Requires assessment and/or clean up.	0090007492
Melbourne City Council	PORT MELBOURNE	1 WEST GATE FWY	Current Service Station. Requires assessment and/or clean up.	0090007721
Melbourne City Council	CARLTON	46-78 Bouverie Street 185-195 Queensberry Street	Former Industrial Site. Requires assessment and/or clean up.	0090008725
Melbourne City Council	CARLTON	46-78 Bouverie Street 185-195 Queensberry Street	Former Industrial Site. Requires assessment and/or clean up.	0090008997
Melbourne City Council	CARLTON	46-78 Bouverie Street 185-195 Queensberry Street	Former Industrial Site. Requires assessment and/or clean up.	0090009144
Melton Shire Council	PLUMPTON	627 - 703 Plumpton RD	Solid inert waste has been dumped at the site. Requires assessment and/or clean up.	0090000300
Melton Shire Council	PLUMPTON	627 - 703 PLUMPTON RD	Solid inert waste has been dumped at the site. Requires assessment and/or clean up.	0090003893
Melton Shire Council	PLUMPTON	627 - 703 PLUMPTON RD	Illegal dumping. Requires assessment and/or clean up.	0090004146
Melton Shire Council	COBBLEBANK	28 - 52 FERRIS RD	Former Landfill. Requires ongoing management.	0090005053
Melton Shire Council	COBBLEBANK	43 FERRIS ROAD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090008182
Melton Shire Council	RAVENHALL	714 Christies Road and 227 Riding Road RIDING BOUNDARY ROAD	Current landfill. Requires ongoing management.	0090009120
Mildura Rural City Council	KOORLONG	Twentieth ST	Former Landfill. Requires ongoing management.	0090005267
Mildura Rural City Council	MILDURA	220 - 222 TENTH ST	Former petroleum storage site. Requires assessment and/or clean up.	0090005846
Mildura Rural City Council	OUYEN	52 - 56 FARRELL (CA19 SECTION 3\PP5621) ST	Former petroleum storage site. Requires ongoing management.	0090007130
Mildura Rural City Council	KOORLONG	153 (LOT 1\TP390223) TWENTY FOURTH ST	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090008389
Mildura Rural City Council	OUYEN	48 FARRELL ST	Current petroleum storage site. Requires ongoing management.	0090008729
Mildura Rural City Council	Irymple	Lots 1 & 2 Plan TP674977 Cowra Avenue Extension	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090008745
Mildura Rural City Council	WERRIMULL	ALLOTMENT 5 PARISH OF MURRNROONG KING STREET	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090009110
Mildura Rural City Council	KOORLONG	1626 MILLEWA RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090009148

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Municipality	Suburb	Address	Issue	Notice Number
Mildura Rural City Council	MILDURA	4463 BENETOOK AVE	Solid inert waste has been dumped at the site. Requires assessment and/or clean up.	0090009260
Mitchell Shire Council	BROADFORD	High ST	Former Landfill. Requires ongoing management.	0090003542
Mitchell Shire Council	SEYMOUR	Lot 1\TP41415 HUME AND HOVELL ROAD	Former Landfill. Requires ongoing management.	0090007542
Mitchell Shire Council	SEYMOUR	117 WIMBLE ST	Former chemical storage facility. Requires assessment and/or clean up.	0090009130
Moira Shire Council	NUMURKAH	Parish Of Katunga C/a 14 Sect D Naring Rd	Former Landfill. Requires ongoing management.	0090007551
Moira Shire Council	YARRAWONGA	81 Channel RD	Former Landfill. Requires ongoing management.	0090008056
Monash City Council	OAKLEIGH EAST	108 - 112 FERNTREE GULLY RD	Former Landfill. Requires ongoing management.	0090006175
Monash City Council	GLEN WAVERLEY	310 - 336 SPRINGVALE RD	Current Industrial Site. Requires ongoing management.	0090006390
Monash City Council	CLAYTON	1555 - 1615 CENTRE RD	Former Industrial Site. Requires assessment and/or clean up.	0090007862
Moonee Valley City Council	ASCOT VALE	556 MT ALEXANDER RD	Current Service Station. Requires ongoing management.	0090007960
Moorabool Shire Council	MADDINGLEY	1 PS908919 Side Of Kerrs RD	Former Landfill. Requires ongoing management.	0090003631
Moorabool Shire Council	FISKVILLE	4549 Geelong-Ballan RD	Current Industrial Site. Requires assessment and/or clean up.	0090004570
Moorabool Shire Council	FISKVILLE	4549 Geelong-Ballan RD	Current Industrial Site. Requires assessment and/or clean up.	0090004571
Moreland City Council	Brunswick	225 and 227-231 Barkly Street	Former Industrial Site. Requires ongoing management.	0090004362
Moreland City Council	BRUNSWICK	225 and 227-231 Barkly Street	Former Industrial Site. Requires ongoing management.	0090004520
Moreland City Council	COBURG NORTH	46 - 54 Newlands RD	Current Service Station. Requires ongoing management.	0090007998
Moreland City Council	BRUNSWICK	699-701 PARK STREET, 2-4 SYDNEY ROAD 182, 184-186, 188 AND 190-192 BRUNSWICK	Former Industrial Site. Requires assessment and/or clean up.	0090008501
Moreland City Council	BRUNSWICK EAST	4 - 6 BARKLY ST	Former Industrial Site. Requires assessment and/or clean up.	0090009126
Mornington Peninsula Shire Council	MOUNT ELIZA	250 - 450 Moorooduc HWY	Former Landfill. Requires ongoing management.	0090000477
Mornington Peninsula Shire Council	RED HILL	87 Arthurs Seat RD	Current Service Station. Requires assessment and/or clean up.	0090002114
Mornington Peninsula Shire Council	ROSEBUD WEST	119 Truemans RD	Former Landfill. Requires ongoing management.	0090003616
Mornington Peninsula Shire Council	CRIB POINT	2 Lens ST	Former Landfill. Requires ongoing management.	0090003619
Mornington Peninsula Shire Council	MOUNT ELIZA	250 - 450 Moorooduc HWY	Former Landfill. Requires ongoing management.	0090003744
Mornington Peninsula Shire Council	HASTINGS	33 CEMETERY RD	Current Industrial Site. Requires assessment and/or clean up.	0090007389
Mornington Peninsula Shire Council	TYABB	15-21 MCKIRDYS RD	Former Landfill. Requires ongoing management.	0090007677
Mornington Peninsula Shire Council	DROMANA	107 - 109 POINT NEPEAN RD	Current petroleum storage site. Requires assessment and/or clean up.	0090008942
Mount Alexander Shire Council	Castlemaine	74 Tomkies Road Lane	Contaminated soil is retained and managed onsite. Requires ongoing management.	0090004156
Moyne Shire Council	PORT FAIRY	Badhams LANE	Former Landfill. Requires ongoing management.	0090003625
Moyne Shire Council	ALLANSFORD	5331 Great Ocean RD	Current Industrial Site. Requires ongoing management.	0090004322
Nillumbik Shire Council	YARRAMBAT	290 - 304 Yan Yean RD	Former Landfill. Requires ongoing management.	0090007767
Nillumbik Shire Council	KANGAROO GROUND	105 GRAHAM RD	Former Landfill. Requires ongoing management.	0090007781
Nillumbik Shire Council	ELTHAM	197 Sherbourne RD	Former Industrial Site. Requires assessment and/or clean up.	0090009200
Northern Grampians Shire Council	Stawell	Crown Allotment 136K Parish of Illawarra	Industrial waste has been dumped at the site. Requires ongoing management.	0090006260

PRIORITY SITES REGISTER

Information as at 30 November 2018

Municipality	Suburb	Address	Issue	Notice Number
Northern Grampians Shire Council	Stawell	Crown Allotment 136K Parish of Illawarra	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090006261
Southern Grampians Shire Council	PENSHURST	14 PENSHURST-DUNKELD RD	Former Industrial Site. Requires assessment and/or clean up.	0090008486
South Gippsland Shire Council	FOSTER	4090 SOUTH GIPPSLAND HWY	Former Landfill. Requires ongoing management.	0090003533
South Gippsland Shire Council	FOSTER	4090 SOUTH GIPPSLAND HWY	Former Landfill. Requires ongoing management.	0090003747
South Gippsland Shire Council	LEONGATHA SOUTH	630 ROUGHHEADS RD	Former Landfill. Requires ongoing management.	0090006475
South Gippsland Shire Council	AGNES	614 BARRY RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090009029
Strathbogie Shire Council	VIOLET TOWN	190 Mcdiarmids RD	Former Landfill. Requires ongoing management.	0090008902
Surf Coast Shire Council	ANGLESEA	CAMP RD	Former Industrial Site. Requires assessment and/or clean up.	0090006380
Surf Coast Shire Council	Winchelsea	84 Hopkins Street CA 33 Township of Winchelsea	Gun, pistol or rifle range. Requires assessment and/or clean up.	0090008921
Surf Coast Shire Council	Winchelsea	84 Hopkins Street CA 33 Township of Winchelsea	Gun, pistol or rifle range. Requires assessment and/or clean up.	0090008985
Swan Hill Rural City Council	Swan Hill	3 Hastings Street	Former petroleum storage site. Requires assessment and/or clean up.	0090006980
Towong Shire Council	BETHANGA	4 MARTIN ST	Former Landfill. Requires ongoing management.	0090003554
Wangaratta Rural City Council	WANGARATTA SOUTH	99 SHANLEY ST	Current Industrial Site. Requires assessment and/or clean up.	0090007165
Warrnambool City Council	WARRNAMBOOL	Braithwaite ST	Former Landfill. Requires ongoing management.	0090007563
Wellington Shire Council	TRARALGON	Loy Yang Switchyard Bartons LANE	Ash pond with a Groundwater Attenuation Zone. Requires ongoing management.	0090002893
Wellington Shire Council	YARRAM	Off Yarram-Traralgon RD	Former Landfill. Requires ongoing management.	0090003055
Wellington Shire Council	WEST SALE	Cnr Princes Highway and Sale-Cowarr Road	Current Industrial Site. Requires ongoing management.	0090007151
Wellington Shire Council	LONGFORD	GARRETTS RD	Current Industrial Site. Requires assessment and/or clean up.	0090008496
Wellington Shire Council	LONGFORD	GARRETTS RD	Current Industrial Site. Requires assessment and/or clean up.	0090008551
Wellington Shire Council	DUTSON	1950 Longford-Loch Sport Road	Current Industrial Site. Requires assessment and/or clean up.	0090009125
Wellington Shire Council	SALE	2-14 McMillan Street	Former Industrial Site. Requires assessment and/or clean up.	0090009164
Whitehorse City Council	BOX HILL	14 Federation ST	Former Landfill. Requires ongoing management.	0090003499
Whittlesea City Council	EPPING	500 Cooper ST	Former Landfill. Requires ongoing management.	0090003490
Whittlesea City Council	EPPING	490 COOPER ST	Former Landfill. Requires ongoing management.	0090003502
Whittlesea City Council	WHITTLESEA	125 Holts RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090006944
Whittlesea City Council	THOMASTOWN	15 INDUSTRIAL AV	Illegal dumping. Requires assessment and/or clean up.	0090007144
Whittlesea City Council	THOMASTOWN	338 - 342 SETTLEMENT RD	Former petroleum storage site. Requires ongoing management.	0090007336
Whittlesea City Council	WOLLERT	585 SUMMERHILL RD	Contaminated soil is retained and managed onsite. Requires assessment and/or clean up.	0090009201
Wodonga Rural City Council	WODONGA	3437 Beechworth-Wodonga RD	Former Landfill. Requires ongoing management.	0090003548
Wodonga Rural City Council	WODONGA	CARROLLS LANE LOT 1TP423757	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090008268
Wyndham City Council	LITTLE RIVER	490 EDGARS RD	Illegal dumping. Requires assessment and/or clean up.	0090004276
Wyndham City Council	LAVERTON NORTH	103 - 105 Pipe RD	Current Industrial Site. Requires assessment and/or clean up.	0090007881
Wyndham City Council	LAVERTON NORTH	83 - 87 DOHERTYS RD	Current chemical storage facility. Requires ongoing management.	0090008271

PRIORITY SITES REGISTER

Information as at 30 November 2018

Municipality	Suburb	Address	Issue	Notice Number
Wyndham City Council	LAVERTON NORTH	19 LITTLE BOUNDARY RD	Current Industrial Site. Requires ongoing management.	0090008784
Wyndham City Council	TRUGANINA	191 LEAKES RD	Industrial waste has been dumped at the site. Requires assessment and/or clean up.	0090009338
Yarra City Council	FITZROY NORTH	433 SMITH ST	Former Industrial Site. Requires ongoing management.	0090004363
Yarra City Council	RICHMOND	1-21 KENT STREET & 10-24 BUCKINGHAM STREET	Former Industrial Site. Requires assessment and/or clean up.	0090007101
Yarra Ranges Shire Council	KILSYTH	2 76 Fussell RD	Former Industrial Site. Requires assessment and/or clean up.	0090006106
Yarra Ranges Shire Council	KILSYTH	2 76 Fussell RD	Former Industrial Site. Requires assessment and/or clean up.	0090006107
Yarra Ranges Shire Council	Coldstream	70 Station ST	Illegal dumping. Requires assessment and/or clean up.	0090008862

Appendix E

Tabulated Results Summaries
RPD Calculations
EIL Calculations

¹ Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater, of the National Environmental Protection Measure (NEPM) for Assessment of Site Contamination, December 1999 (amendment 2013).

	A blank space indicates no test performed, or no criteria available
LORR	Limit of reporting has been raised due to high moisture content, insufficient smple or matrix interference
27	Represents exceedance of the NEPM EIL or ESL criteria

^A EILs sourced from Oliszowy et al. (1995), referenced in section 2.5.7 of Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater, of the National Environmental Protection Measure (NEPM) for Assessment of Site Contamination, December 1999 (amendment 2013).

Table E2
Comparison of Soil Laboratory Results to
Waste Categorisation Criteria

[illegible]

Notes

	A blank space indicates no test performed, or no criteria available
LORR	Limit of reporting has been raised due to high moisture content, insufficient sample or matrix interference
ASLP	Australian Standard Leaching Procedure - Leachable Concentration
27	Represents exceedance of the EPA Fill Material criteria and sample tested classifies as Category C Contaminated Soil

References for Upper Limits

1) Environment Protection Authority of Victoria (EPA), June 2009: EPA Publication IWRG621 "Soil Hazard Categorisation & Management".

Sample DUP1 is a blind duplicate sample of sample B15-1 (analysed by Ecowise)
Sample DUP2 is a split duplicate sample of sample B15-1 (analysed by MGT)

2019 Duplicate

Analyte	B6-A-2	B6-A-DUP	RPD (%)
Arsenic	<5	<5	N/A
Cadmium	<0.2	<0.2	N/A
Total Chromium	61	68	11
Copper	12	13	8
Lead	12	13	8
Mercury	<0.05	<0.05	N/A
Molybdenum	<5	<5	N/A
Nickel	30	32	6
Selenium	<3	<3	N/A
Silver	<5	<5	N/A
Tin	<5	<5	N/A
Zinc	20	24	18

 Table E3
 Calculated RPD results

2010 Duplicates

Analyte	B15-1	DUP1	RPD (%)	DUP2	RPD (%)
Arsenic	<5	<5	N/A	3	N/A
Cadmium	<0.2	<0.2	N/A	<0.5	N/A
Total Chromium	32	25	25	30	6
Copper	7	6	15	8	7
Lead	19	18	5	11	53
Mercury	<0.05	<0.05	N/A	<0.1	N/A
Molybdenum	<5	<5	N/A	<10	N/A
Nickel	9	7	25	8	9
Selenium	<5	<5	N/A	<2	N/A
Silver	<5	<5	N/A	<5	N/A
Tin	<5	<5	N/A	<10	N/A
Zinc	13	17	27	17	27

Inputs
Select contaminant from list below
As
Below needed to calculate fresh and aged ACLs
Below needed to calculate fresh and aged ABCs
or for fresh ABCs only
or for aged ABCs only

Outputs		
Land use	Arsenic generic EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	20	40
Urban residential and open public spaces	50	100
Commercial and industrial	80	160

Inputs	
Select contaminant from list below	
Cr III	
Below needed to calculate fresh and aged ACLs	
Enter % clay (values from 0 to 100%)	
10	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background	
7	
or for aged ABCs only	
Enter State (or closest State)	
VIC	
Enter traffic volume (high or low)	
low	

Outputs		
Land use	Cr III soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	130	140
Urban residential and open public spaces	230	410
Commercial and industrial	340	670

Inputs	
Select contaminant from list below	
Cu	
Below needed to calculate fresh and aged ACLs	
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)	
15	
Enter soil pH (calcium chloride method) (values from 1 to 14)	
6.9	
Enter organic carbon content (%OC) (values from 0 to 50%)	
1	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background	
7	
or for aged ABCs only	
Enter State (or closest State)	
VIC	
Enter traffic volume (high or low)	
low	

Outputs		
Land use	Cu soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	70	75
Urban residential and open public spaces	130	210
Commercial and industrial	180	310

Inputs
Select contaminant from list below
DDT
Below needed to calculate fresh and aged ACLs
Below needed to calculate fresh and aged ABCs
or for fresh ABCs only
or for aged ABCs only

Outputs		
Land use	DDT generic EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	3	3
Urban residential and open public spaces	180	180
Commercial and industrial	640	640

Inputs
Select contaminant from list below
Naphthalene
Below needed to calculate fresh and aged ACLs
Below needed to calculate fresh and aged ABCs
or for fresh ABCs only
or for aged ABCs only

Outputs		
Land use	Naphthalene generic EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	10	10
Urban residential and open public spaces	170	170
Commercial and industrial	370	370

Inputs	
Select contaminant from list below	
Ni	
Below needed to calculate fresh and aged ACLs	
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)	
15	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background	
7	
or for aged ABCs only	
Enter State (or closest State)	
VIC	
Enter traffic volume (high or low)	
low	

Outputs		
Land use	Ni soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	35	40
Urban residential and open public spaces	95	220
Commercial and industrial	160	380

Inputs
Select contaminant from list below
Pb
Below needed to calculate fresh and aged ACLs
Below needed to calculate fresh and aged ABCs
or for fresh ABCs only
or for aged ABCs only

Outputs		
Land use	Lead generic EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	110	470
Urban residential and open public spaces	270	1100
Commercial and industrial	440	1800

Inputs
Select contaminant from list below
Zn
Below needed to calculate fresh and aged ACLs
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)
15
Enter soil pH (calcium chloride method) (values from 1 to 14)
6.9
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background
7
or for aged ABCs only
Enter State (or closest State)
VIC
Enter traffic volume (high or low)
low

Outputs		
Land use	Zn soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	90	160
Urban residential and open public spaces	250	590
Commercial and industrial	370	900

Appendix F

NATA Laboratory Reports
Chain of Custody Documentation

CERTIFICATE OF ANALYSIS

Batch No:	19-03221	<i>Page</i>	Page 1 of 29
<i>Final Report</i>	733616	<i>Laboratory</i>	Scoresby Laboratory
<i>Client:</i>	Douglas Partners Pty Ltd	<i>Address</i>	Caribbean Business Park, 22 Dalmore Drive, Scoresby, VIC 3179
<i>Contact:</i>	Dean Woods	<i>Phone</i>	03 8756 8000
<i>Address:</i>	231 Normanby Road SOUTH MELBOURNE VIC 3205	<i>Fax</i>	03 9763 1862
		<i>Contact:</i>	Tuyen Nguyen Client Manager Tuyen.Nguyen@alsglobal.com
<i>Client Program Ref:</i>	42662-01 Delahey	<i>Date Sampled:</i>	07-Jan-2019
<i>ALS Program Ref:</i>	DOUGLAS	<i>Date Samples Received:</i>	08-Jan-2019
<i>PO No:</i>	144031	<i>Date Issued:</i>	16-Jan-2019

The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service.

Analysis	Method	Laboratory	Analysis	Method	Laboratory	Analysis	Method	Laboratory
BTEXN	WP074	Scoresby	CHC	WP084	Scoresby	Cyanide	WK026SF	Scoresby
Total Fluoride	QWI-EN.WK040T	Scoresby	HVOL	WP074	Scoresby	MAH	WP125 & WP074	Scoresby
Moisture	WA055	Scoresby	MS Total Metals	WG020B	Scoresby	OCF	WP068A	Scoresby
PAH	WP075B	Scoresby	PCB	WP066	Scoresby	pH	EA002	Scoresby
Phenols(Halo)	WP075A	Scoresby	Phenols(NonHalo)	WP075A	Scoresby	Total Cr 6+	WG047	Scoresby
TRH F2	# WP071	Scoresby	TRH & TPH (>C10)	WP071	Scoresby	TRH (C6-C10) & F1	WP071 (F1 not NATA)	Scoresby



Accreditation No. 992
Accredited for compliance with
ISO/IEC 17025 - Testing



Signatories

Legionella species refers to Legionella species other than Legionella pneumophila

Measurement Uncertainties values for your compliance results are available at this link

Name	Title	Name	Title
Hao Zhang	Team Leader Organics	Joseph De Alwis	Analyst
Kosta Christopoulos	Deputy Team Leader Organics	Mario Solorzano	Analyst
Ricky Singh	Analyst		

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 Batch No: **19-03221**
 Report Number: **733616**
 Client: **Douglas Partners Pty Ltd**
 Client Program Ref: **42662-01 Delahey**



LOR = Limit of reporting. When a reported LOR is higher than the standard LOR, this may be due to high moisture content, insufficient sample or matrix interference.

CAS Number = Chemistry Abstract Services Number. The analytical procedures in this report (including in house methods) are developed from internationally recognised procedures such as those published by USEPA, APHA and NEPM.

				Sample No.	5951702	5951704	5951705	5951706	5951707	5951709
				Client Sample ID	B3-A-1	B6-A-1	B6-A-2	B6-A-DUP	B9-A-1	B12-A-1
				Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Analysis	Analyte	CAS #	LOR							
BTEXN	Benzene	71-43-2	<0.5 mg/kg		<0.5					
BTEXN	Toluene	108-88-3	<0.5 mg/kg		<0.5					
BTEXN	Ethyl Benzene	100-41-4	<0.5 mg/kg		<0.5					
BTEXN	Xylene - m&p	108-38-3 /	<1 mg/kg		<1					
BTEXN	Xylene - O	95-47-6	<0.5 mg/kg		<0.5					
BTEXN	Naphthalene	91-20-3	<0.5 mg/kg		<0.5					
BTEXN	Total Xylenes	1330-20-7	<1 mg/kg		<1					
BTEXN	BTEX (Sum)	BTEX	<1 mg/kg		<1					
Analysis	Analyte	CAS #	LOR							
CHC	1,2,3,4-Tetrachlorobenzene	634-66-2	<0.1 mg/kg		<0.1					
CHC	1,2,3,5-Tetrachlorobenzene	634-90-2	<0.1 mg/kg		<0.1					
CHC	1,2,3-Trichlorobenzene	87-61-6	<0.1 mg/kg		<0.1					
CHC	1,2,4,5-Tetrachlorobenzene	95-94-3	<0.1 mg/kg		<0.1					
CHC	1,2,4-Trichlorobenzene	120-82-1	<0.1 mg/kg		<0.1					
CHC	1,2-Dichlorobenzene	95-50-1	<0.1 mg/kg		<0.1					
CHC	1,3,5-Trichlorobenzene	108-70-3	<0.1 mg/kg		<0.1					
CHC	1,3-Dichlorobenzene	541-73-1	<0.1 mg/kg		<0.1					
CHC	1,4-Dichlorobenzene	106-46-7	<0.1 mg/kg		<0.1					
CHC	2-Chloronaphthalene	91-58-7	<0.1 mg/kg		<0.1					
CHC	Benzal Chloride	98-87-3	<0.1 mg/kg		<0.1					
CHC	Benzotrichloride	98-07-7	<0.1 mg/kg		<0.1					
CHC	Benzylchloride	100-44-7	<0.1 mg/kg		<0.1					
CHC	Hexachloroethane	67-72-1	<0.1 mg/kg		<0.1					
CHC	Hexachlorobutadiene	87-68-3	<0.1 mg/kg		<0.1					
CHC	Hexachlorocyclopentadiene	77-47-4	<0.1 mg/kg		<0.1					
CHC	Pentachlorobenzene	608-93-5	<0.1 mg/kg		<0.1					

Samples not collected by ALS and are tested as received.

A blank space indicates no test performed. Soil microbiological testing was commenced within 4 days from the day collected unless otherwise stated.

MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.

MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.

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 Batch No: **19-03221**
 Report Number: **733616**
 Client: **Douglas Partners Pty Ltd**
 Client Program Ref: **42662-01 Delahey**



					Sample No.	5951702	5951704	5951705	5951706	5951707	5951709
					Client Sample ID	B3-A-1	B6-A-1	B6-A-2	B6-A-DUP	B9-A-1	B12-A-1
					Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Analysis	Analyte	CAS #	LOR								
HVOL	1,1,1,2-Tetrachloroethane	630-20-6	<0.5	mg/kg	<0.5						
HVOL	1,1,2,2-Tetrachloroethane	79-34-5	<0.5	mg/kg	<0.5						
HVOL	1,1-Dichloroethane	75-34-3	<0.5	mg/kg	<0.5						
HVOL	1,1-Dichloroethene	75-35-4	<0.5	mg/kg	<0.5						
HVOL	1,1-Dichloropropene	563-58-6	<0.5	mg/kg	<0.5						
HVOL	1,2,3-Trichloropropane	96-18-4	<0.5	mg/kg	<0.5						
HVOL	1,2-Dibromo-3-Chloropropane	96-12-8	<0.5	mg/kg	<0.5						
HVOL	1,2-Dichloroethene [cis]	540-59-0(cis)	<0.5	mg/kg	<0.5						
HVOL	1,2-Dichloroethene [trans]	540-59-0(trans)	<0.5	mg/kg	<0.5						
HVOL	1,2-Dichloroethane	107-06-2	<0.5	mg/kg	<0.5						
HVOL	1,2-Dichloropropane	78-87-5	<0.5	mg/kg	<0.5						
HVOL	1,3-Dichloropropane	142-28-9	<0.5	mg/kg	<0.5						
HVOL	1,3-Dichloropropene [cis]	10061-01-5	<0.5	mg/kg	<0.5						
HVOL	1,3-Dichloropropene [trans]	10061-02-6	<0.5	mg/kg	<0.5						
HVOL	2,2-Dichloropropane	594-20-7	<0.5	mg/kg	<0.5						
HVOL	2-Chlorotoluene	95-49-8	<0.5	mg/kg	<0.5						
HVOL	4-Chlorotoluene	106-43-4	<0.5	mg/kg	<0.5						
HVOL	Bromochloromethane	74-97-5	<0.5	mg/kg	<0.5						
HVOL	Bromodichloromethane	75-27-4	<0.5	mg/kg	<0.5						
HVOL	Bromobenzene	108-86-1	<0.5	mg/kg	<0.5						
HVOL	Bromoform (Tribromomethane)	75-25-2	<0.5	mg/kg	<0.5						
HVOL	Carbon Tetrachloride	56-23-5	<0.5	mg/kg	<0.5						
HVOL	Chloroform (Trichloromethane)	67-66-3	<0.5	mg/kg	<0.5						
HVOL	Chlorobenzene	108-90-7	<0.5	mg/kg	<0.5						
HVOL	Dibromochloromethane	124-48-1	<0.5	mg/kg	<0.5						
HVOL	Dibromomethane	74-95-3	<0.5	mg/kg	<0.5						
HVOL	1,2-Dibromoethane	106-93-4	<0.5	mg/kg	<0.5						
HVOL	Dichloromethane	75-09-2	<1	mg/kg	<1						
HVOL	Trichlorofluoromethane (CFC11)	75-69-4	<2	mg/kg	<2						

Samples not collected by ALS and are tested as received.

A blank space indicates no test performed. Soil microbiological testing was commenced within 4 days from the day collected unless otherwise stated.

MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.

MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.

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 Batch No: **19-03221**
 Report Number: **733616**
 Client: **Douglas Partners Pty Ltd**
 Client Program Ref: **42662-01 Delahey**



					Sample No.	5951702	5951704	5951705	5951706	5951707	5951709
					Client Sample ID	B3-A-1	B6-A-1	B6-A-2	B6-A-DUP	B9-A-1	B12-A-1
					Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
HVOL	Tetrachloroethene	127-18-4	<0.5	mg/kg		<0.5					
HVOL	Vinyl Chloride (Monomer)	75-01-4	<1	mg/kg		<1					
HVOL	1,1,1-Trichloroethane	71-55-6	<0.5	mg/kg		<0.5					
HVOL	1,1,2-Trichloroethane	79-00-5	<0.5	mg/kg		<0.5					
HVOL	Trichloroethene	79-01-6	<0.5	mg/kg		<0.5					
Analysis	Analyte	CAS #	LOR								
MAH	Styrene	100-42-5	<0.5	mg/kg		<0.5					
Analysis	Analyte	CAS #	LOR								
OCP	BHC (alpha isomer)	319-84-6	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	a-Endosulphan	959-98-8	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Aldrin	309-00-2	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	BHC (beta isomer)	319-85-7	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	b-Endosulphan	33213-65-9	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Chlordane	57-74-9	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	cis-Chlordane	5103-71-9	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	trans-Chlordane	5103-74-2	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	BHC (delta isomer)	319-86-8	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	DDD	72-54-8	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	DDE	72-55-9	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	DDT	50-29-3	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Dieldrin	60-57-1	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Sum of alpha-, beta- and Endosulphan	115-29-7	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Endosulfan Sulfate	1031-07-8	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Endrin	72-20-8	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Endrin Aldehyde	7421-93-4	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Endrin Ketone	53494-70-5	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Hexachlorobenzene	118-74-1	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Heptachlor Epoxide	1024-57-3	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Heptachlor	76-44-8	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05
OCP	BHC (gamma isomer) [Lindane]	58-89-9	<0.05	mg/kg		<0.05	<0.05	<0.05		<0.05	<0.05

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MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



				Sample No.	5951702	5951704	5951705	5951706	5951707	5951709
				Client Sample ID	B3-A-1	B6-A-1	B6-A-2	B6-A-DUP	B9-A-1	B12-A-1
				Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
OCP	Methoxychlor	72-43-5	<0.05	mg/kg	<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Oxychlorane	27304-13-8	<0.05	mg/kg	<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Sum of DDD, DDE and DDT	DDT+DDE+DD	<0.05	mg/kg	<0.05	<0.05	<0.05		<0.05	<0.05
OCP	Sum of Aldrin and Dieldrin	309-00-2 +	<0.05	mg/kg	<0.05	<0.05	<0.05		<0.05	<0.05
Analysis	Analyte	CAS #	LOR							
PAH	Acenaphthene	83-32-9	<0.1	mg/kg	<0.1					
PAH	Acenaphthylene	208-96-8	<0.1	mg/kg	<0.1					
PAH	Anthracene	120-12-7	<0.1	mg/kg	<0.1					
PAH	Benz(a)anthracene	56-55-3	<0.1	mg/kg	<0.1					
PAH	Benzo(a)pyrene	50-32-8	<0.1	mg/kg	<0.1					
PAH	Benzo(b)fluoranthene	205-99-2	<0.1	mg/kg	<0.1					
PAH	Benzo(g,h,i)perylene	191-24-2	<0.1	mg/kg	<0.1					
PAH	Benzo(k)fluoranthene	207-08-9	<0.1	mg/kg	<0.1					
PAH	Chrysene	218-01-9	<0.1	mg/kg	<0.1					
PAH	Dibenz(a,h)anthracene	53-70-3	<0.1	mg/kg	<0.1					
PAH	Fluoranthene	206-44-0	<0.1	mg/kg	<0.1					
PAH	Fluorene	86-73-7	<0.1	mg/kg	<0.1					
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	<0.1	mg/kg	<0.1					
PAH	Naphthalene	91-20-3	<0.1	mg/kg	<0.1					
PAH	Phenanthrene	85-01-8	<0.1	mg/kg	<0.1					
PAH	Pyrene	129-00-0	<0.1	mg/kg	<0.1					
PAH	Total PAH	TOTALPAH	<0.1	mg/kg	<0.1					
PAH	BaP TEQ (zero)	BaP_TEQ_0xE	<0.1	mg/kg	<0.1					
PAH	BaP TEQ (half LOR)	BaP_TEQ_0.5x	<0.1	mg/kg	0.1					
PAH	BaP TEQ (LOR)	BaP_TEQ_1.0x	0.2	mg/kg	0.2					
Analysis	Analyte	CAS #	LOR							
PCB	Aroclor 1016	12674-11-2	<0.1	mg/kg	<0.1					
PCB	Aroclor 1221	11104-28-2	<0.1	mg/kg	<0.1					
PCB	Aroclor 1232	11141-16-5	<0.1	mg/kg	<0.1					
PCB	Aroclor 1242	53469-21-9	<0.1	mg/kg	<0.1					

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 Batch No: **19-03221**
 Report Number: **733616**
 Client: **Douglas Partners Pty Ltd**
 Client Program Ref: **42662-01 Delahey**



					Sample No.	5951702	5951704	5951705	5951706	5951707	5951709
					Client Sample ID	B3-A-1	B6-A-1	B6-A-2	B6-A-DUP	B9-A-1	B12-A-1
					Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
PCB	Aroclor 1248	12672-29-6	<0.1	mg/kg		<0.1					
PCB	Aroclor 1254	11097-69-1	<0.1	mg/kg		<0.1					
PCB	Aroclor 1260	11096-82-5	<0.1	mg/kg		<0.1					
PCB	Total PCBs	1336-36-3	<0.1	mg/kg		<0.1					
Analysis	Analyte	CAS #	LOR								
Phenols(Halo)	4-Chloro-3-Methylphenol	59-50-7	<0.5	mg/kg		<0.5					
Phenols(Halo)	2-Chlorophenol	95-57-8	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,4-Dichlorophenol	120-83-2	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,6-Dichlorophenol	87-65-0	<0.5	mg/kg		<0.5					
Phenols(Halo)	Pentachlorophenol	87-86-5	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,3,4,5-Tetrachlorophenol	4901-51-3	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,3,4,6-Tetrachlorophenol	58-90-2	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,3,5,6-Tetrachlorophenol	935-95-5	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,4,5-Trichlorophenol	95-95-4	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,4,6-Trichlorophenol	88-06-2	<0.5	mg/kg		<0.5					
Phenols(Halo)	Total Phenols (Halogenated)	64743-03-9(Hal	<0.5	mg/kg		<0.5					
Analysis	Analyte	CAS #	LOR								
Phenols(NonHalo)	Phenol	108-95-2	<0.5	mg/kg		<0.5					
Phenols(NonHalo)	Total Cresols	1319-77-3	<1	mg/kg		<1					
Phenols(NonHalo)	2,4-Dimethylphenol	105-67-9	<0.5	mg/kg		<0.5					
Phenols(NonHalo)	2,4-Dinitrophenol	51-28-5	<30	mg/kg		<30					
Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	534-52-1	<10	mg/kg		<10					
Phenols(NonHalo)	2-Nitrophenol	88-75-5	<0.5	mg/kg		<0.5					
Phenols(NonHalo)	4-Nitrophenol	100-02-7	<0.5	mg/kg		<0.5					
Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	131-89-5	<30	mg/kg		<30					
Phenols(NonHalo)	Dinoseb	88-85-7	<10	mg/kg		<10					
Phenols(NonHalo)	Total Phenols (non Halogenated)	64743-03-9(Non	<30	mg/kg		<30					
Analysis	Analyte	CAS #	LOR								
Moisture	Moisture %	MOISTCONTE	<2	% w/wet w		10					
pH	pH, units	pH_Lab	<0.1	Units		6.5					

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 Batch No: **19-03221**
 Report Number: **733616**
 Client: **Douglas Partners Pty Ltd**
 Client Program Ref: **42662-01 Delahey**



					Sample No.	5951702	5951704	5951705	5951706	5951707	5951709
					Client Sample ID	B3-A-1	B6-A-1	B6-A-2	B6-A-DUP	B9-A-1	B12-A-1
					Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Total Fluoride	Total Fluoride, as F	16984-48-8	<100	mg/kg		160					
Cyanide	Cyanide, as CN	57-12-5	<5	mg/kg		<5					
Total Cr 6+	Hexavalent Chromium (Total) Soil	18540-29-9	<1	mg/kg		<1					
Analysis	Analyte	CAS #	LOR								
MS Total Metals	Arsenic	7440-38-2	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Cadmium	7440-43-9	<0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
MS Total Metals	Chromium	7440-47-3	<5	mg/kg			45	61	68	34	37
MS Total Metals	Copper	7440-50-8	<5	mg/kg		11	10	12	13	7	9
MS Total Metals	Lead	7439-92-1	<5	mg/kg		24	16	12	13	20	18
MS Total Metals	Mercury	7439-97-6	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MS Total Metals	Molybdenum	7439-98-7	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Nickel	7440-02-0	<5	mg/kg		17	20	30	32	11	12
MS Total Metals	Selenium	7782-49-2	<3	mg/kg		<3	<3	<3	<3	<3	<3
MS Total Metals	Silver	7440-22-4	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Tin	7440-31-5	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Zinc	7440-66-6	<5	mg/kg		36	20	20	24	23	26
Analysis	Analyte	CAS #	LOR								
TRH (C6-C10) &	TPHC6-C9	C6-C9	<20	mg/kg		<20					
TRH (C6-C10) &	TRHC6-C10	C6-C10	<20	mg/kg		<20					
TRH (C6-C10) &	TRHC6-C10 minus BTEX	F1-BTEX	<20	mg/kg		<20					
Analysis	Analyte	CAS #	LOR								
TRH F2	TRH>C10-C16 minus Naphthalene	F2-NAPHTHAL	<20	mg/kg		<20					
TRH & TPH	TPH C10-C14	C10-C14	<20	mg/kg		<20					
TRH & TPH	TPH C15-C28	C15-C28	<50	mg/kg		<50					
TRH & TPH	TPH C29-C36	C29-C36	<50	mg/kg		<50					
TRH & TPH	TRH>C10-C16	C10-C16	<20	mg/kg		<20					
TRH & TPH	TRH>C16-C34	C16-C34	<50	mg/kg		<50					
TRH & TPH	TRH>C34-C40	C34-C40	<50	mg/kg		<50					
TRH & TPH	Sum of TRH>C10-C40	C10-C40	<50	mg/kg		<50					

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LOR = Limit of reporting. When a reported LOR is higher than the standard LOR, this may be due to high moisture content, insufficient sample or matrix interference.

CAS Number = Chemistry Abstract Services Number. The analytical procedures in this report (including in house methods) are developed from internationally recognised procedures such as those published by USEPA, APHA and NEPM.

				Sample No.	5951711	5951713	5951714	5951715	5951717
				Client Sample ID	B16-A-1	B19-A-1	B19-A-2	B21-A-1	B23-A-1
				Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Analysis	Analyte	CAS #	LOR						
BTEXN	Benzene	71-43-2	<0.5 mg/kg			<0.5			
BTEXN	Toluene	108-88-3	<0.5 mg/kg			<0.5			
BTEXN	Ethyl Benzene	100-41-4	<0.5 mg/kg			<0.5			
BTEXN	Xylene - m&p	108-38-3 /	<1 mg/kg			<1			
BTEXN	Xylene - O	95-47-6	<0.5 mg/kg			<0.5			
BTEXN	Naphthalene	91-20-3	<0.5 mg/kg			<0.5			
BTEXN	Total Xylenes	1330-20-7	<1 mg/kg			<1			
BTEXN	BTEX (Sum)	BTEX	<1 mg/kg			<1			
Analysis	Analyte	CAS #	LOR						
CHC	1,2,3,4-Tetrachlorobenzene	634-66-2	<0.1 mg/kg			<0.1			
CHC	1,2,3,5-Tetrachlorobenzene	634-90-2	<0.1 mg/kg			<0.1			
CHC	1,2,3-Trichlorobenzene	87-61-6	<0.1 mg/kg			<0.1			
CHC	1,2,4,5-Tetrachlorobenzene	95-94-3	<0.1 mg/kg			<0.1			
CHC	1,2,4-Trichlorobenzene	120-82-1	<0.1 mg/kg			<0.1			
CHC	1,2-Dichlorobenzene	95-50-1	<0.1 mg/kg			<0.1			
CHC	1,3,5-Trichlorobenzene	108-70-3	<0.1 mg/kg			<0.1			
CHC	1,3-Dichlorobenzene	541-73-1	<0.1 mg/kg			<0.1			
CHC	1,4-Dichlorobenzene	106-46-7	<0.1 mg/kg			<0.1			
CHC	2-Chloronaphthalene	91-58-7	<0.1 mg/kg			<0.1			
CHC	Benzal Chloride	98-87-3	<0.1 mg/kg			<0.1			
CHC	Benzotrichloride	98-07-7	<0.1 mg/kg			<0.1			
CHC	Benzylchloride	100-44-7	<0.1 mg/kg			<0.1			
CHC	Hexachloroethane	67-72-1	<0.1 mg/kg			<0.1			
CHC	Hexachlorobutadiene	87-68-3	<0.1 mg/kg			<0.1			
CHC	Hexachlorocyclopentadiene	77-47-4	<0.1 mg/kg			<0.1			
CHC	Pentachlorobenzene	608-93-5	<0.1 mg/kg			<0.1			

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 Batch No: **19-03221**
 Report Number: **733616**
 Client: **Douglas Partners Pty Ltd**
 Client Program Ref: **42662-01 Delahey**



				Sample No.	5951711	5951713	5951714	5951715	5951717
				Client Sample ID	B16-A-1	B19-A-1	B19-A-2	B21-A-1	B23-A-1
				Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Analysis	Analyte	CAS #	LOR						
HVOL	1,1,1,2-Tetrachloroethane	630-20-6	<0.5 mg/kg			<0.5			
HVOL	1,1,2,2-Tetrachloroethane	79-34-5	<0.5 mg/kg			<0.5			
HVOL	1,1-Dichloroethane	75-34-3	<0.5 mg/kg			<0.5			
HVOL	1,1-Dichloroethene	75-35-4	<0.5 mg/kg			<0.5			
HVOL	1,1-Dichloropropene	563-58-6	<0.5 mg/kg			<0.5			
HVOL	1,2,3-Trichloropropane	96-18-4	<0.5 mg/kg			<0.5			
HVOL	1,2-Dibromo-3-Chloropropane	96-12-8	<0.5 mg/kg			<0.5			
HVOL	1,2-Dichloroethene [cis]	540-59-0(cis)	<0.5 mg/kg			<0.5			
HVOL	1,2-Dichloroethene [trans]	540-59-0(trans)	<0.5 mg/kg			<0.5			
HVOL	1,2-Dichloroethane	107-06-2	<0.5 mg/kg			<0.5			
HVOL	1,2-Dichloropropane	78-87-5	<0.5 mg/kg			<0.5			
HVOL	1,3-Dichloropropane	142-28-9	<0.5 mg/kg			<0.5			
HVOL	1,3-Dichloropropene [cis]	10061-01-5	<0.5 mg/kg			<0.5			
HVOL	1,3-Dichloropropene [trans]	10061-02-6	<0.5 mg/kg			<0.5			
HVOL	2,2-Dichloropropane	594-20-7	<0.5 mg/kg			<0.5			
HVOL	2-Chlorotoluene	95-49-8	<0.5 mg/kg			<0.5			
HVOL	4-Chlorotoluene	106-43-4	<0.5 mg/kg			<0.5			
HVOL	Bromochloromethane	74-97-5	<0.5 mg/kg			<0.5			
HVOL	Bromodichloromethane	75-27-4	<0.5 mg/kg			<0.5			
HVOL	Bromobenzene	108-86-1	<0.5 mg/kg			<0.5			
HVOL	Bromoform (Tribromomethane)	75-25-2	<0.5 mg/kg			<0.5			
HVOL	Carbon Tetrachloride	56-23-5	<0.5 mg/kg			<0.5			
HVOL	Chloroform (Trichloromethane)	67-66-3	<0.5 mg/kg			<0.5			
HVOL	Chlorobenzene	108-90-7	<0.5 mg/kg			<0.5			
HVOL	Dibromochloromethane	124-48-1	<0.5 mg/kg			<0.5			
HVOL	Dibromomethane	74-95-3	<0.5 mg/kg			<0.5			
HVOL	1,2-Dibromoethane	106-93-4	<0.5 mg/kg			<0.5			
HVOL	Dichloromethane	75-09-2	<1 mg/kg			<1			
HVOL	Trichlorofluoromethane (CFC11)	75-69-4	<2 mg/kg			<2			

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MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

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					Sample No.	5951711	5951713	5951714	5951715	5951717
					Client Sample ID	B16-A-1	B19-A-1	B19-A-2	B21-A-1	B23-A-1
					Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
HVOL	Tetrachloroethene	127-18-4	<0.5	mg/kg			<0.5			
HVOL	Vinyl Chloride (Monomer)	75-01-4	<1	mg/kg			<1			
HVOL	1,1,1-Trichloroethane	71-55-6	<0.5	mg/kg			<0.5			
HVOL	1,1,2-Trichloroethane	79-00-5	<0.5	mg/kg			<0.5			
HVOL	Trichloroethene	79-01-6	<0.5	mg/kg			<0.5			
Analysis	Analyte	CAS #	LOR							
MAH	Styrene	100-42-5	<0.5	mg/kg			<0.5			
Analysis	Analyte	CAS #	LOR							
OCP	BHC (alpha isomer)	319-84-6	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	a-Endosulphan	959-98-8	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Aldrin	309-00-2	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	BHC (beta isomer)	319-85-7	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	b-Endosulphan	33213-65-9	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Chlordane	57-74-9	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	cis-Chlordane	5103-71-9	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	trans-Chlordane	5103-74-2	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	BHC (delta isomer)	319-86-8	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	DDD	72-54-8	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	DDE	72-55-9	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	DDT	50-29-3	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Dieldrin	60-57-1	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Sum of alpha-, beta- and Endosulphan	115-29-7	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endosulfan Sulfate	1031-07-8	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endrin	72-20-8	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endrin Aldehyde	7421-93-4	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endrin Ketone	53494-70-5	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Hexachlorobenzene	118-74-1	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Heptachlor Epoxide	1024-57-3	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Heptachlor	76-44-8	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	BHC (gamma isomer) [Lindane]	58-89-9	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.

MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



				Sample No.	5951711	5951713	5951714	5951715	5951717
				Client Sample ID	B16-A-1	B19-A-1	B19-A-2	B21-A-1	B23-A-1
				Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
OCP	Methoxychlor	72-43-5	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Oxychlorane	27304-13-8	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Sum of DDD, DDE and DDT	DDT+DDE+DD	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Sum of Aldrin and Dieldrin	309-00-2 +	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Analysis	Analyte	CAS #	LOR						
PAH	Acenaphthene	83-32-9	<0.1	mg/kg		<0.1			
PAH	Acenaphthylene	208-96-8	<0.1	mg/kg		<0.1			
PAH	Anthracene	120-12-7	<0.1	mg/kg		<0.1			
PAH	Benz(a)anthracene	56-55-3	<0.1	mg/kg		<0.1			
PAH	Benzo(a)pyrene	50-32-8	<0.1	mg/kg		<0.1			
PAH	Benzo(b)fluoranthene	205-99-2	<0.1	mg/kg		<0.1			
PAH	Benzo(g,h,i)perylene	191-24-2	<0.1	mg/kg		<0.1			
PAH	Benzo(k)fluoranthene	207-08-9	<0.1	mg/kg		<0.1			
PAH	Chrysene	218-01-9	<0.1	mg/kg		<0.1			
PAH	Dibenz(a,h)anthracene	53-70-3	<0.1	mg/kg		<0.1			
PAH	Fluoranthene	206-44-0	<0.1	mg/kg		<0.1			
PAH	Fluorene	86-73-7	<0.1	mg/kg		<0.1			
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	<0.1	mg/kg		<0.1			
PAH	Naphthalene	91-20-3	<0.1	mg/kg		<0.1			
PAH	Phenanthrene	85-01-8	<0.1	mg/kg		<0.1			
PAH	Pyrene	129-00-0	<0.1	mg/kg		<0.1			
PAH	Total PAH	TOTALPAH	<0.1	mg/kg		<0.1			
PAH	BaP TEQ (zero)	BaP_TEQ_0xE	<0.1	mg/kg		<0.1			
PAH	BaP TEQ (half LOR)	BaP_TEQ_0.5x	<0.1	mg/kg		0.1			
PAH	BaP TEQ (LOR)	BaP_TEQ_1.0x	0.2	mg/kg		0.2			
Analysis	Analyte	CAS #	LOR						
PCB	Aroclor 1016	12674-11-2	<0.1	mg/kg		<0.1			
PCB	Aroclor 1221	11104-28-2	<0.1	mg/kg		<0.1			
PCB	Aroclor 1232	11141-16-5	<0.1	mg/kg		<0.1			
PCB	Aroclor 1242	53469-21-9	<0.1	mg/kg		<0.1			

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				Sample No.	5951711	5951713	5951714	5951715	5951717
				Client Sample ID	B16-A-1	B19-A-1	B19-A-2	B21-A-1	B23-A-1
				Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
PCB	Aroclor 1248	12672-29-6	<0.1	mg/kg		<0.1			
PCB	Aroclor 1254	11097-69-1	<0.1	mg/kg		<0.1			
PCB	Aroclor 1260	11096-82-5	<0.1	mg/kg		<0.1			
PCB	Total PCBs	1336-36-3	<0.1	mg/kg		<0.1			
Analysis	Analyte	CAS #	LOR						
Phenols(Halo)	4-Chloro-3-Methylphenol	59-50-7	<0.5	mg/kg		<0.5			
Phenols(Halo)	2-Chlorophenol	95-57-8	<0.5	mg/kg		<0.5			
Phenols(Halo)	2,4-Dichlorophenol	120-83-2	<0.5	mg/kg		<0.5			
Phenols(Halo)	2,6-Dichlorophenol	87-65-0	<0.5	mg/kg		<0.5			
Phenols(Halo)	Pentachlorophenol	87-86-5	<0.5	mg/kg		<0.5			
Phenols(Halo)	2,3,4,5-Tetrachlorophenol	4901-51-3	<0.5	mg/kg		<0.5			
Phenols(Halo)	2,3,4,6-Tetrachlorophenol	58-90-2	<0.5	mg/kg		<0.5			
Phenols(Halo)	2,3,5,6-Tetrachlorophenol	935-95-5	<0.5	mg/kg		<0.5			
Phenols(Halo)	2,4,5-Trichlorophenol	95-95-4	<0.5	mg/kg		<0.5			
Phenols(Halo)	2,4,6-Trichlorophenol	88-06-2	<0.5	mg/kg		<0.5			
Phenols(Halo)	Total Phenols (Halogenated)	64743-03-9(Hal	<0.5	mg/kg		<0.5			
Analysis	Analyte	CAS #	LOR						
Phenols(NonHalo)	Phenol	108-95-2	<0.5	mg/kg		<0.5			
Phenols(NonHalo)	Total Cresols	1319-77-3	<1	mg/kg		<1			
Phenols(NonHalo)	2,4-Dimethylphenol	105-67-9	<0.5	mg/kg		<0.5			
Phenols(NonHalo)	2,4-Dinitrophenol	51-28-5	<30	mg/kg		<30			
Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	534-52-1	<10	mg/kg		<10			
Phenols(NonHalo)	2-Nitrophenol	88-75-5	<0.5	mg/kg		<0.5			
Phenols(NonHalo)	4-Nitrophenol	100-02-7	<0.5	mg/kg		<0.5			
Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	131-89-5	<30	mg/kg		<30			
Phenols(NonHalo)	Dinoseb	88-85-7	<10	mg/kg		<10			
Phenols(NonHalo)	Total Phenols (non Halogenated)	64743-03-9(Non	<30	mg/kg		<30			
Analysis	Analyte	CAS #	LOR						
Moisture	Moisture %	MOISTCONTE	<2	% w/wet w		8			
pH	pH, units	pH_Lab	<0.1	Units		7.3			

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				Sample No.	5951711	5951713	5951714	5951715	5951717
				Client Sample ID	B16-A-1	B19-A-1	B19-A-2	B21-A-1	B23-A-1
				Sample Date	07/01/19	07/01/19	07/01/19	07/01/19	07/01/19
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Total Fluoride	Total Fluoride, as F	16984-48-8	<100	mg/kg		170			
Cyanide	Cyanide, as CN	57-12-5	<5	mg/kg		<5			
Total Cr 6+	Hexavalent Chromium (Total) Soil	18540-29-9	<1	mg/kg		<1			
Analysis	Analyte	CAS #	LOR						
MS Total Metals	Arsenic	7440-38-2	<5	mg/kg	<5	<5	<5	<5	<5
MS Total Metals	Cadmium	7440-43-9	<0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
MS Total Metals	Chromium	7440-47-3	<5	mg/kg	35		50	36	39
MS Total Metals	Copper	7440-50-8	<5	mg/kg	9	14	12	10	10
MS Total Metals	Lead	7439-92-1	<5	mg/kg	18	19	15	18	17
MS Total Metals	Mercury	7439-97-6	<0.05	mg/kg	0.34	<0.05	<0.05	<0.05	<0.05
MS Total Metals	Molybdenum	7439-98-7	<5	mg/kg	<5	<5	<5	<5	<5
MS Total Metals	Nickel	7440-02-0	<5	mg/kg	12	27	26	18	21
MS Total Metals	Selenium	7782-49-2	<3	mg/kg	<3	<3	<3	<3	<3
MS Total Metals	Silver	7440-22-4	<5	mg/kg	<5	<5	<5	<5	<5
MS Total Metals	Tin	7440-31-5	<5	mg/kg	<5	<5	<5	<5	<5
MS Total Metals	Zinc	7440-66-6	<5	mg/kg	23	31	26	20	16
Analysis	Analyte	CAS #	LOR						
TRH (C6-C10) &	TPHC6-C9	C6-C9	<20	mg/kg		<20			
TRH (C6-C10) &	TRHC6-C10	C6-C10	<20	mg/kg		<20			
TRH (C6-C10) &	TRHC6-C10 minus BTEX	F1-BTEX	<20	mg/kg		<20			
Analysis	Analyte	CAS #	LOR						
TRH F2	TRH>C10-C16 minus Naphthalene	F2-NAPHTHAL	<20	mg/kg		<20			
TRH & TPH	TPH C10-C14	C10-C14	<20	mg/kg		<20			
TRH & TPH	TPH C15-C28	C15-C28	<50	mg/kg		<50			
TRH & TPH	TPH C29-C36	C29-C36	<50	mg/kg		<50			
TRH & TPH	TRH>C10-C16	C10-C16	<20	mg/kg		<20			
TRH & TPH	TRH>C16-C34	C16-C34	<50	mg/kg		<50			
TRH & TPH	TRH>C34-C40	C34-C40	<50	mg/kg		<50			
TRH & TPH	Sum of TRH>C10-C40	C10-C40	<50	mg/kg		<50			

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QUALITY CONTROL - BLANKS

QC Blanks are an 'analyte free' matrix in which all applicable reagents have been added in the same proportion as in standard samples and are an internal monitor for laboratory contamination.

				Value
Lab Sample ID	Client Sample ID	Analysis	Analyte	
5954910	QC - Blank	Total Fluoride	Total Fluoride, as F mg/kg	<100
Lab Sample ID	Client Sample ID	Analysis	Analyte	
5953154	QC - Blank	MS Total Metals	Arsenic mg/kg	<5
5953154	QC - Blank	MS Total Metals	Cadmium mg/kg	<0.2
5953154	QC - Blank	MS Total Metals	Chromium mg/kg	<5
5953154	QC - Blank	MS Total Metals	Copper mg/kg	<5
5953154	QC - Blank	MS Total Metals	Lead mg/kg	<5
5953154	QC - Blank	MS Total Metals	Mercury mg/kg	<0.05
5953154	QC - Blank	MS Total Metals	Molybdenum mg/kg	<5
5953154	QC - Blank	MS Total Metals	Nickel mg/kg	<5
5953154	QC - Blank	MS Total Metals	Selenium mg/kg	<3
5953154	QC - Blank	MS Total Metals	Silver mg/kg	<5
5953154	QC - Blank	MS Total Metals	Tin mg/kg	<5
5953154	QC - Blank	MS Total Metals	Zinc mg/kg	<5
Lab Sample ID	Client Sample ID	Analysis	Analyte	
5955546	QC - Blank	MAH	Styrene mg/kg	<0.5
Lab Sample ID	Client Sample ID	Analysis	Analyte	
5953616	QC - Blank	BTEXN	Benzene mg/kg	<0.5
5953616	QC - Blank	BTEXN	Toluene mg/kg	<0.5
5953616	QC - Blank	BTEXN	Ethyl Benzene mg/kg	<0.5
5953616	QC - Blank	BTEXN	Xylene - m&p mg/kg	<1
5953616	QC - Blank	BTEXN	Xylene - O mg/kg	<0.5
5953616	QC - Blank	BTEXN	Naphthalene mg/kg	<0.5
5953616	QC - Blank	BTEXN	Total Xylenes mg/kg	<1
5953616	QC - Blank	BTEXN	BTEX (Sum) mg/kg	<1
Lab Sample ID	Client Sample ID	Analysis	Analyte	

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					Value
5953612	QC - Blank	TRH (C6-C10) & F1	TPHC6-C9	mg/kg	<20
5953612	QC - Blank	TRH (C6-C10) & F1	TRHC6-C10	mg/kg	<20
5953612	QC - Blank	TRH (C6-C10) & F1	TRHC6-C10 minus BTEX	mg/kg	<20
Lab Sample ID	Client Sample ID	Analysis	Analyte		
5954782	QC - Blank	TRH & TPH (>C10)	TPH C10-C14	mg/kg	<20
5954782	QC - Blank	TRH & TPH (>C10)	TPH C15-C28	mg/kg	<50
5954782	QC - Blank	TRH & TPH (>C10)	TPH C29-C36	mg/kg	<50
5954782	QC - Blank	TRH & TPH (>C10)	TRH>C10-C16	mg/kg	<20
5954782	QC - Blank	TRH & TPH (>C10)	TRH>C16-C34	mg/kg	<50
5954782	QC - Blank	TRH & TPH (>C10)	TRH>C34-C40	mg/kg	<50
5954782	QC - Blank	TRH & TPH (>C10)	Sum of TRH>C10-C40	mg/kg	<50
Lab Sample ID	Client Sample ID	Analysis	Analyte		
5954331	QC - Blank	PAH	Acenaphthene	mg/kg	<0.1
5954331	QC - Blank	PAH	Acenaphthylene	mg/kg	<0.1
5954331	QC - Blank	PAH	Anthracene	mg/kg	<0.1
5954331	QC - Blank	PAH	Benz(a)anthracene	mg/kg	<0.1
5954331	QC - Blank	PAH	Benzo(a)pyrene	mg/kg	<0.1
5954331	QC - Blank	PAH	Benzo(b)fluoranthene	mg/kg	<0.1
5954331	QC - Blank	PAH	Benzo(g,h,i)perylene	mg/kg	<0.1
5954331	QC - Blank	PAH	Benzo(k)fluoranthene	mg/kg	<0.1
5954331	QC - Blank	PAH	Chrysene	mg/kg	<0.1
5954331	QC - Blank	PAH	Dibenz(a,h)anthracene	mg/kg	<0.1
5954331	QC - Blank	PAH	Fluoranthene	mg/kg	<0.1
5954331	QC - Blank	PAH	Fluorene	mg/kg	<0.1
5954331	QC - Blank	PAH	Indeno(1,2,3-cd)pyrene	mg/kg	<0.1
5954331	QC - Blank	PAH	Naphthalene	mg/kg	<0.1
5954331	QC - Blank	PAH	Phenanthrene	mg/kg	<0.1
5954331	QC - Blank	PAH	Pyrene	mg/kg	<0.1
5954331	QC - Blank	PAH	Total PAH	mg/kg	<0.1
5954331	QC - Blank	PAH	BaP TEQ (zero)	mg/kg	<0.1
5954331	QC - Blank	PAH	BaP TEQ (half LOR)	mg/kg	0.1
5954331	QC - Blank	PAH	BaP TEQ (LOR)	mg/kg	0.2
Lab Sample ID	Client Sample ID	Analysis	Analyte		

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					Value
5954324	QC - Blank	OCP	BHC (alpha isomer)	mg/kg	<0.05
5954324	QC - Blank	OCP	a-Endosulphan	mg/kg	<0.05
5954324	QC - Blank	OCP	Aldrin	mg/kg	<0.05
5954324	QC - Blank	OCP	BHC (beta isomer)	mg/kg	<0.05
5954324	QC - Blank	OCP	b-Endosulphan	mg/kg	<0.05
5954324	QC - Blank	OCP	Chlordane	mg/kg	<0.05
5954324	QC - Blank	OCP	cis-Chlordane	mg/kg	<0.05
5954324	QC - Blank	OCP	trans-Chlordane	mg/kg	<0.05
5954324	QC - Blank	OCP	BHC (delta isomer)	mg/kg	<0.05
5954324	QC - Blank	OCP	DDD	mg/kg	<0.05
5954324	QC - Blank	OCP	DDE	mg/kg	<0.05
5954324	QC - Blank	OCP	DDT	mg/kg	<0.05
5954324	QC - Blank	OCP	Dieldrin	mg/kg	<0.05
5954324	QC - Blank	OCP	Sum of alpha-, beta- and Endosulphan	mg/kg	<0.05
5954324	QC - Blank	OCP	Endosulfan Sulfate	mg/kg	<0.05
5954324	QC - Blank	OCP	Endrin	mg/kg	<0.05
5954324	QC - Blank	OCP	Endrin Aldehyde	mg/kg	<0.05
5954324	QC - Blank	OCP	Endrin Ketone	mg/kg	<0.05
5954324	QC - Blank	OCP	Hexachlorobenzene	mg/kg	<0.05
5954324	QC - Blank	OCP	Heptachlor Epoxide	mg/kg	<0.05
5954324	QC - Blank	OCP	Heptachlor	mg/kg	<0.05
5954324	QC - Blank	OCP	BHC (gamma isomer) [Lindane]	mg/kg	<0.05
5954324	QC - Blank	OCP	Methoxychlor	mg/kg	<0.05
5954324	QC - Blank	OCP	Oxychlordane	mg/kg	<0.05
5954324	QC - Blank	OCP	Sum of DDD, DDE and DDT	mg/kg	<0.05
5954324	QC - Blank	OCP	Sum of Aldrin and Dieldrin	mg/kg	<0.05
Lab Sample ID	Client Sample ID	Analysis	Analyte		
5954334	QC - Blank	PCB	Aroclor 1016	mg/kg	<0.1
5954334	QC - Blank	PCB	Aroclor 1221	mg/kg	<0.1
5954334	QC - Blank	PCB	Aroclor 1232	mg/kg	<0.1
5954334	QC - Blank	PCB	Aroclor 1242	mg/kg	<0.1
5954334	QC - Blank	PCB	Aroclor 1248	mg/kg	<0.1
5954334	QC - Blank	PCB	Aroclor 1254	mg/kg	<0.1

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MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.

MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



					Value
5954334	QC - Blank	PCB	Aroclor 1260	mg/kg	<0.1
5954334	QC - Blank	PCB	Total PCBs	mg/kg	<0.1
Lab Sample ID	Client Sample ID	Analysis	Analyte		
5954309	QC - Blank	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1
5954309	QC - Blank	CHC	1,2,3,5-Tetrachlorobenzene	mg/kg	<0.1
5954309	QC - Blank	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1
5954309	QC - Blank	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1
5954309	QC - Blank	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1
5954309	QC - Blank	CHC	1,2-Dichlorobenzene	mg/kg	<0.1
5954309	QC - Blank	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1
5954309	QC - Blank	CHC	1,3-Dichlorobenzene	mg/kg	<0.1
5954309	QC - Blank	CHC	1,4-Dichlorobenzene	mg/kg	<0.1
5954309	QC - Blank	CHC	2-Chloronaphthalene	mg/kg	<0.1
5954309	QC - Blank	CHC	Benzal Chloride	mg/kg	<0.1
5954309	QC - Blank	CHC	Benzotrichloride	mg/kg	<0.1
5954309	QC - Blank	CHC	Benzylchloride	mg/kg	<0.1
5954309	QC - Blank	CHC	Hexachloroethane	mg/kg	<0.1
5954309	QC - Blank	CHC	Hexachlorobutadiene	mg/kg	<0.1
5954309	QC - Blank	CHC	Hexachlorocyclopentadiene	mg/kg	<0.1
5954309	QC - Blank	CHC	Pentachlorobenzene	mg/kg	<0.1
Lab Sample ID	Client Sample ID	Analysis	Analyte		
5954319	QC - Blank	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	2,4-Dichlorophenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	Pentachlorophenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	2,3,4,5-Tetrachlorophenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	2,3,4,6-Tetrachlorophenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	2,3,5,6-Tetrachlorophenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	2,4,5-Trichlorophenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	2,4,6-Trichlorophenol	mg/kg	<0.5
5954319	QC - Blank	Phenols(Halo)	Total Phenols (Halogenated)	mg/kg	<0.5
Lab Sample ID	Client Sample ID	Analysis	Analyte		

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MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.

MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



					Value
5954314	QC - Blank	Phenols(NonHalo)	Phenol	mg/kg	<0.5
5954314	QC - Blank	Phenols(NonHalo)	Total Cresols	mg/kg	<1
5954314	QC - Blank	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5
5954314	QC - Blank	Phenols(NonHalo)	2,4-Dinitrophenol	mg/kg	<30
5954314	QC - Blank	Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	mg/kg	<10
5954314	QC - Blank	Phenols(NonHalo)	2-Nitrophenol	mg/kg	<0.5
5954314	QC - Blank	Phenols(NonHalo)	4-Nitrophenol	mg/kg	<0.5
5954314	QC - Blank	Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	mg/kg	<30
5954314	QC - Blank	Phenols(NonHalo)	Dinoseb	mg/kg	<10
5954314	QC - Blank	Phenols(NonHalo)	Total Phenols (non Halogenated)	mg/kg	<30
Lab Sample ID	Client Sample ID	Analysis	Analyte		
5955544	QC - Blank	HVOL	1,1,1,2-Tetrachloroethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,1,2,2-Tetrachloroethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,1-Dichloroethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,1-Dichloroethene	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,1-Dichloropropene	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,2,3-Trichloropropane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,2-Dibromo-3-Chloropropane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,2-Dichloroethene [cis]	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,2-Dichloroethene [trans]	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,2-Dichloroethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,2-Dichloropropane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,3-Dichloropropane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,3-Dichloropropene [cis]	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,3-Dichloropropene [trans]	mg/kg	<0.5
5955544	QC - Blank	HVOL	2,2-Dichloropropane	mg/kg	<0.5
5955544	QC - Blank	HVOL	2-Chlorotoluene	mg/kg	<0.5
5955544	QC - Blank	HVOL	4-Chlorotoluene	mg/kg	<0.5
5955544	QC - Blank	HVOL	Bromochloromethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	Bromodichloromethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	Bromobenzene	mg/kg	<0.5
5955544	QC - Blank	HVOL	Bromoform (Tribromomethane)	mg/kg	<0.5
5955544	QC - Blank	HVOL	Carbon Tetrachloride	mg/kg	<0.5

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Calculated results are based on raw data.



					Value
5955544	QC - Blank	HVOL	Chloroform (Trichloromethane)	mg/kg	<0.5
5955544	QC - Blank	HVOL	Chlorobenzene	mg/kg	<0.5
5955544	QC - Blank	HVOL	Dibromochloromethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	Dibromomethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,2-Dibromoethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	Dichloromethane	mg/kg	<1
5955544	QC - Blank	HVOL	Trichlorofluoromethane (CFC11)	mg/kg	<2
5955544	QC - Blank	HVOL	Tetrachloroethene	mg/kg	<0.5
5955544	QC - Blank	HVOL	Vinyl Chloride (Monomer)	mg/kg	<1
5955544	QC - Blank	HVOL	1,1,1-Trichloroethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	1,1,2-Trichloroethane	mg/kg	<0.5
5955544	QC - Blank	HVOL	Trichloroethene	mg/kg	<0.5

QUALITY CONTROL - DUPLICATES

QC Data for duplicates is calculated on raw 'unrounded' values. Laboratory duplicates are randomly selected samples tested by the laboratory to maintain method precision and provide information on sample homogeneity.

RPD = Relative Percentage Difference for duplicate determinations. RPD's that fall outside the general acceptance criteria will be attributed to non-homogeneity of samples or results of low magnitudes.

					Sample Value	Duplicate Value	% RPD
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5953561	NCP	Cyanide	Cyanide, as CN	mg/kg	<5	<5	0
5954719	NCP	pH	pH, units	Units	8.1	8.1	0.4
5954914	B3-A-1	Total Fluoride	Total Fluoride, as F	mg/kg	160	170	5.3
5960520	NCP	Total Cr 6+	Hexavalent Chromium (Total) Soil	mg/kg	<1	<1	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5953159	B23-A-1	MS Total Metals	Arsenic	mg/kg	<5	<5	0
5953159	B23-A-1	MS Total Metals	Cadmium	mg/kg	<0.2	<0.2	0
5953159	B23-A-1	MS Total Metals	Chromium	mg/kg	39	35	12.5
5953159	B23-A-1	MS Total Metals	Copper	mg/kg	10	9	10.5
5953159	B23-A-1	MS Total Metals	Lead	mg/kg	17	16	7.9
5953159	B23-A-1	MS Total Metals	Mercury	mg/kg	<0.05	<0.05	0
5953159	B23-A-1	MS Total Metals	Molybdenum	mg/kg	<5	<5	0

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MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



					Sample Value	Duplicate Value	% RPD
5953159	B23-A-1	MS Total Metals	Selenium	mg/kg	<3	<3	0
5953159	B23-A-1	MS Total Metals	Silver	mg/kg	<5	<5	0
5953159	B23-A-1	MS Total Metals	Tin	mg/kg	<5	<5	0
5953159	B23-A-1	MS Total Metals	Zinc	mg/kg	16	16	2.9
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5955545	B19-A-1	MAH	Styrene	mg/kg	<0.5	<0.5	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5953613	B19-A-1	BTEXN	Benzene	mg/kg	<0.5	<0.5	0
5953613	B19-A-1	BTEXN	Toluene	mg/kg	<0.5	<0.5	0
5953613	B19-A-1	BTEXN	Ethyl Benzene	mg/kg	<0.5	<0.5	0
5953613	B19-A-1	BTEXN	Xylene - m&p	mg/kg	<1	<1	0
5953613	B19-A-1	BTEXN	Xylene - O	mg/kg	<0.5	<0.5	0
5953613	B19-A-1	BTEXN	Naphthalene	mg/kg	<0.5	<0.5	0
5953613	B19-A-1	BTEXN	Total Xylenes	mg/kg	<1	<1	0
5953613	B19-A-1	BTEXN	BTEX (Sum)	mg/kg	<1	<1	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5953609	B19-A-1	TRH (C6-C10) & F1	TPHC6-C9	mg/kg	<20	<20	0
5953609	B19-A-1	TRH (C6-C10) & F1	TRHC6-C10	mg/kg	<20	<20	0
5953609	B19-A-1	TRH (C6-C10) & F1	TRHC6-C10 minus BTEX	mg/kg	<20	<20	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954780	NCP	TRH & TPH (>C10)	TPH C10-C14	mg/kg	<20	<20	0
5954780	NCP	TRH & TPH (>C10)	TPH C15-C28	mg/kg	<50	<50	0
5954780	NCP	TRH & TPH (>C10)	TPH C29-C36	mg/kg	<50	<50	0
5954780	NCP	TRH & TPH (>C10)	TRH>C10-C16	mg/kg	<20	<20	0
5954780	NCP	TRH & TPH (>C10)	TRH>C16-C34	mg/kg	<50	<50	0
5954780	NCP	TRH & TPH (>C10)	TRH>C34-C40	mg/kg	<50	<50	0
5954780	NCP	TRH & TPH (>C10)	Sum of TRH>C10-C40	mg/kg	<50	<50	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954328	NCP	PAH	Acenaphthene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Acenaphthylene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Anthracene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Benz(a)anthracene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Benzo(a)pyrene	mg/kg	<0.1	<0.1	0

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					Sample Value	Duplicate Value	% RPD
5954328	NCP	PAH	Benzo(b)fluoranthene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Benzo(k)fluoranthene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Chrysene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Dibenz(a,h)anthracene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Fluoranthene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Fluorene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Indeno(1,2,3-cd)pyrene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Naphthalene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Phenanthrene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Pyrene	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	Total PAH	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	BaP TEQ (zero)	mg/kg	<0.1	<0.1	0
5954328	NCP	PAH	BaP TEQ (half LOR)	mg/kg	0.1	0.1	0.0
5954328	NCP	PAH	BaP TEQ (LOR)	mg/kg	0.2	0.2	0.0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954322	NCP	OCP	BHC (alpha isomer)	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	a-Endosulphan	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Aldrin	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	BHC (beta isomer)	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	b-Endosulphan	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Chlordane	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	cis-Chlordane	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	trans-Chlordane	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	BHC (delta isomer)	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	DDD	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	DDE	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	DDT	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Dieldrin	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Sum of alpha-, beta- and Endosulphan	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Endosulfan Sulfate	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Endrin	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Endrin Aldehyde	mg/kg	<0.05	<0.05	0

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MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



					Sample Value	Duplicate Value	% RPD
5954322	NCP	OCP	Endrin Ketone	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Hexachlorobenzene	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Heptachlor Epoxide	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Heptachlor	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	BHC (gamma isomer) [Lindane]	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Methoxychlor	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Oxychlordan	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Sum of DDD, DDE and DDT	mg/kg	<0.05	<0.05	0
5954322	NCP	OCP	Sum of Aldrin and Dieldrin	mg/kg	<0.05	<0.05	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954332	NCP	PCB	Aroclor 1016	mg/kg	<0.1	<0.1	0
5954332	NCP	PCB	Aroclor 1221	mg/kg	<0.1	<0.1	0
5954332	NCP	PCB	Aroclor 1232	mg/kg	<0.1	<0.1	0
5954332	NCP	PCB	Aroclor 1242	mg/kg	<0.1	<0.1	0
5954332	NCP	PCB	Aroclor 1248	mg/kg	<0.1	<0.1	0
5954332	NCP	PCB	Aroclor 1254	mg/kg	<0.1	<0.1	0
5954332	NCP	PCB	Aroclor 1260	mg/kg	<0.1	<0.1	0
5954332	NCP	PCB	Total PCBs	mg/kg	<0.1	<0.1	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954307	NCP	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	1,2,3,5-Tetrachlorobenzene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	1,2-Dichlorobenzene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	1,3-Dichlorobenzene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	1,4-Dichlorobenzene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	2-Chloronaphthalene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	Benzal Chloride	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	Benzotrichloride	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	Benzylchloride	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	Hexachloroethane	mg/kg	<0.1	<0.1	0

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MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



					Sample Value	Duplicate Value	% RPD
5954307	NCP	CHC	Hexachlorobutadiene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	Hexachlorocyclopentadiene	mg/kg	<0.1	<0.1	0
5954307	NCP	CHC	Pentachlorobenzene	mg/kg	<0.1	<0.1	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954315	NCP	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	2,4-Dichlorophenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	Pentachlorophenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	2,3,4,5-Tetrachlorophenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	2,3,4,6-Tetrachlorophenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	2,3,5,6-Tetrachlorophenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	2,4,5-Trichlorophenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	2,4,6-Trichlorophenol	mg/kg	<0.5	<0.5	0
5954315	NCP	Phenols(Halo)	Total Phenols (Halogenated)	mg/kg	<0.5	<0.5	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954310	NCP	Phenols(NonHalo)	Phenol	mg/kg	<0.5	<0.5	0
5954310	NCP	Phenols(NonHalo)	Total Cresols	mg/kg	<1	<1	0
5954310	NCP	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5	<0.5	0
5954310	NCP	Phenols(NonHalo)	2,4-Dinitrophenol	mg/kg	<30	<30	0
5954310	NCP	Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	mg/kg	<10	<10	0
5954310	NCP	Phenols(NonHalo)	2-Nitrophenol	mg/kg	<0.5	<0.5	0
5954310	NCP	Phenols(NonHalo)	4-Nitrophenol	mg/kg	<0.5	<0.5	0
5954310	NCP	Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	mg/kg	<30	<30	0
5954310	NCP	Phenols(NonHalo)	Dinoseb	mg/kg	<10	<10	0
5954310	NCP	Phenols(NonHalo)	Total Phenols (non Halogenated)	mg/kg	<30	<30	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5955543	B19-A-1	HVOL	1,1,1,2-Tetrachloroethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,1,2,2-Tetrachloroethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,1-Dichloroethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,1-Dichloroethene	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,1-Dichloropropene	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,2,3-Trichloropropane	mg/kg	<0.5	<0.5	0

Samples not collected by ALS and are tested as received.

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MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.

MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



					Sample Value	Duplicate Value	% RPD
5955543	B19-A-1	HVOL	1,2-Dibromo-3-Chloropropane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,2-Dichloroethene [cis]	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,2-Dichloroethene [trans]	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,2-Dichloroethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,2-Dichloropropane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,3-Dichloropropane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,3-Dichloropropene [cis]	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,3-Dichloropropene [trans]	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	2,2-Dichloropropane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	2-Chlorotoluene	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	4-Chlorotoluene	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Bromochloromethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Bromodichloromethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Bromobenzene	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Bromoform (Tribromomethane)	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Carbon Tetrachloride	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Chloroform (Trichloromethane)	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Chlorobenzene	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Dibromochloromethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Dibromomethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,2-Dibromoethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Dichloromethane	mg/kg	<1	<1	0
5955543	B19-A-1	HVOL	Trichlorofluoromethane (CFC11)	mg/kg	<2	<2	0
5955543	B19-A-1	HVOL	Tetrachloroethene	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Vinyl Chloride (Monomer)	mg/kg	<1	<1	0
5955543	B19-A-1	HVOL	1,1,1-Trichloroethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	1,1,2-Trichloroethane	mg/kg	<0.5	<0.5	0
5955543	B19-A-1	HVOL	Trichloroethene	mg/kg	<0.5	<0.5	0

QUALITY CONTROL - SPIKES

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MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



QC Data for spikes is calculated on raw 'unrounded' values. Laboratory spikes are randomly selected samples in which the analytes in question have been artificially introduced and recovered via standard analysis and are used to provide information on potential matrix effects on analyte recoveries.

Spike recoveries that fall outside the general acceptance criteria will be attributed to sample matrix interference or results of high magnitudes.

NCP: Non-Customer Parent (sample quality is representative of the analytical batch but the sample that was QC tested belongs to a customer not pertaining to the report.)

Lab Sample ID	Client Sample ID	Analysis	Analyte	mg/kg	Sample Value	Expected Value	% Recovery
5953559	NCP	Cyanide	Cyanide, as CN	mg/kg	<5	20	92.5
5954913	B3-A-1	Total Fluoride	Total Fluoride, as F	mg/kg	160	560	97.4
Lab Sample ID	Client Sample ID	Analysis	Analyte	mg/kg	Sample Value	Expected Value	% Recovery
5953161	B23-A-1	MS Total Metals	Cadmium	mg/kg	<0.2	100	102
5953161	B23-A-1	MS Total Metals	Chromium	mg/kg	39	140	82.6
5953161	B23-A-1	MS Total Metals	Lead	mg/kg	17	120	92.8
5953161	B23-A-1	MS Total Metals	Mercury	mg/kg	<0.05	1.0	92.6
5953161	B23-A-1	MS Total Metals	Silver	mg/kg	<5	1.0	95.1
5953161	B23-A-1	MS Total Metals	Tin	mg/kg	<5	100	100
5953161	B23-A-1	MS Total Metals	Zinc	mg/kg	16	120	81.1
Lab Sample ID	Client Sample ID	Analysis	Analyte	mg/kg	Sample Value	Expected Value	% Recovery
5953615	NCP	BTEXN	Benzene	mg/kg	<0.5	5.0	90.5
5953615	NCP	BTEXN	Toluene	mg/kg	<0.5	5.0	82.7
5953615	NCP	BTEXN	Ethyl Benzene	mg/kg	<0.5	5.0	82.9
5953615	NCP	BTEXN	Xylene - m&p	mg/kg	<1	9.9	90.9
5953615	NCP	BTEXN	Xylene - O	mg/kg	<0.5	5.0	86.8
5953615	NCP	BTEXN	Naphthalene	mg/kg	<0.5	5.0	76.0
Lab Sample ID	Client Sample ID	Analysis	Analyte	mg/kg	Sample Value	Expected Value	% Recovery
5953611	NCP	TRH (C6-C10) & F1	TPHC6-C9	mg/kg	<20	120	99.4
5953611	NCP	TRH (C6-C10) & F1	TRHC6-C10	mg/kg	<20	120	106
Lab Sample ID	Client Sample ID	Analysis	Analyte	mg/kg	Sample Value	Expected Value	% Recovery
5954781	NCP	TRH & TPH (>C10)	TPH C15-C28	mg/kg	<50	980	94.3
5954781	NCP	TRH & TPH (>C10)	TRH>C16-C34	mg/kg	<50	1000	88.1
Lab Sample ID	Client Sample ID	Analysis	Analyte	mg/kg	Sample Value	Expected Value	% Recovery
5954327	NCP	PAH	Acenaphthene	mg/kg	<0.1	1.5	98.2
5954327	NCP	PAH	Acenaphthylene	mg/kg	<0.1	1.5	92.8
5954327	NCP	PAH	Anthracene	mg/kg	<0.1	1.5	114
5954327	NCP	PAH	Benz(a)anthracene	mg/kg	0.2	1.7	125

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MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Calculated results are based on raw data.



					Sample Value	Expected Value	% Recovery
5954327	NCP	PAH	Benzo(a)pyrene	mg/kg	0.4	2.0	113
5954327	NCP	PAH	Benzo(b)fluoranthene	mg/kg	0.3	1.8	94.0
5954327	NCP	PAH	Benzo(g,h,i)perylene	mg/kg	0.3	1.9	107
5954327	NCP	PAH	Benzo(k)fluoranthene	mg/kg	0.3	1.9	105
5954327	NCP	PAH	Chrysene	mg/kg	0.3	1.8	117
5954327	NCP	PAH	Dibenz(a,h)anthracene	mg/kg	<0.1	1.5	102
5954327	NCP	PAH	Fluoranthene	mg/kg	0.3	1.9	111
5954327	NCP	PAH	Fluorene	mg/kg	<0.1	1.5	106
5954327	NCP	PAH	Indeno(1,2,3-cd)pyrene	mg/kg	0.3	1.9	99.8
5954327	NCP	PAH	Naphthalene	mg/kg	<0.1	1.5	105
5954327	NCP	PAH	Phenanthrene	mg/kg	<0.1	1.5	108
5954327	NCP	PAH	Pyrene	mg/kg	0.4	1.9	112
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954321	B12-A-1	OCP	BHC (alpha isomer)	mg/kg	<0.05	1.4	83.4
5954321	B12-A-1	OCP	a-Endosulphan	mg/kg	<0.05	1.4	89.2
5954321	B12-A-1	OCP	Aldrin	mg/kg	<0.05	1.4	91.6
5954321	B12-A-1	OCP	BHC (beta isomer)	mg/kg	<0.05	1.4	85.0
5954321	B12-A-1	OCP	b-Endosulphan	mg/kg	<0.05	1.4	84.6
5954321	B12-A-1	OCP	Chlordane	mg/kg	<0.05	2.8	92.5
5954321	B12-A-1	OCP	cis-Chlordane	mg/kg	<0.05	1.4	91.6
5954321	B12-A-1	OCP	trans-Chlordane	mg/kg	<0.05	1.4	92.4
5954321	B12-A-1	OCP	BHC (delta isomer)	mg/kg	<0.05	1.4	81.2
5954321	B12-A-1	OCP	DDD	mg/kg	<0.05	1.4	121
5954321	B12-A-1	OCP	DDE	mg/kg	<0.05	1.4	110
5954321	B12-A-1	OCP	DDT	mg/kg	<0.05	1.4	77.0
5954321	B12-A-1	OCP	Dieldrin	mg/kg	<0.05	1.4	84.8
5954321	B12-A-1	OCP	Endosulfan Sulfate	mg/kg	<0.05	1.4	93.0
5954321	B12-A-1	OCP	Endrin	mg/kg	<0.05	1.4	74.4
5954321	B12-A-1	OCP	Endrin Aldehyde	mg/kg	<0.05	1.4	100
5954321	B12-A-1	OCP	Endrin Ketone	mg/kg	<0.05	1.4	110
5954321	B12-A-1	OCP	Hexachlorobenzene	mg/kg	<0.05	1.4	92.6
5954321	B12-A-1	OCP	Heptachlor Epoxide	mg/kg	<0.05	1.4	89.4
5954321	B12-A-1	OCP	Heptachlor	mg/kg	<0.05	1.4	88.6

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Calculated results are based on raw data.



					Sample Value	Expected Value	% Recovery
5954321	B12-A-1	OCP	BHC (gamma isomer) [Lindane]	mg/kg	<0.05	1.4	84.4
5954321	B12-A-1	OCP	Methoxychlor	mg/kg	<0.05	1.4	73.2
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954333	NCP	PCB	Aroclor 1016	mg/kg	<0.1	2.6	92.9
5954333	NCP	PCB	Aroclor 1260	mg/kg	<0.1	2.8	98.2
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954308	NCP	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1	1.5	93.0
5954308	NCP	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1	1.5	97.2
5954308	NCP	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1	3.1	92.5
5954308	NCP	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1	1.5	97.6
5954308	NCP	CHC	1,2-Dichlorobenzene	mg/kg	<0.1	1.5	93.6
5954308	NCP	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1	1.5	91.2
5954308	NCP	CHC	1,3-Dichlorobenzene	mg/kg	<0.1	1.5	96.4
5954308	NCP	CHC	1,4-Dichlorobenzene	mg/kg	<0.1	1.5	98.0
5954308	NCP	CHC	2-Chloronaphthalene	mg/kg	<0.1	1.5	103
5954308	NCP	CHC	Benzal Chloride	mg/kg	<0.1	1.5	97.8
5954308	NCP	CHC	Benzotrichloride	mg/kg	<0.1	1.5	88.4
5954308	NCP	CHC	Benzylchloride	mg/kg	<0.1	1.5	103
5954308	NCP	CHC	Hexachloroethane	mg/kg	<0.1	1.5	85.8
5954308	NCP	CHC	Hexachlorobutadiene	mg/kg	<0.1	1.5	91.4
5954308	NCP	CHC	Pentachlorobenzene	mg/kg	<0.1	1.5	95.8
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954316	NCP	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5	1.5	72.2
5954316	NCP	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5	1.5	85.2
5954316	NCP	Phenols(Halo)	2,4-Dichlorophenol	mg/kg	<0.5	1.5	77.6
5954316	NCP	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5	1.5	78.4
5954316	NCP	Phenols(Halo)	2,4,5-Trichlorophenol	mg/kg	<0.5	1.5	86.4
Lab Sample ID	Client Sample ID	Analysis	Analyte				
5954311	NCP	Phenols(NonHalo)	Phenol	mg/kg	<0.5	1.5	107
5954311	NCP	Phenols(NonHalo)	Total Cresols	mg/kg	<1	4.6	92.5
5954311	NCP	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5	1.5	92.6
5954311	NCP	Phenols(NonHalo)	2-Nitrophenol	mg/kg	<0.5	1.5	74.6
5954311	NCP	Phenols(NonHalo)	4-Nitrophenol	mg/kq	<0.5	1.5	61.6

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Calculated results are based on raw data.

Page: Page 29 of 29
Batch No: 19-03221
Report Number: 733616
Client: Douglas Partners Pty Ltd
Client Program Ref: 42662-01 Delahey



Samples not collected by ALS and are tested as received.

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Calculated results are based on raw data.

Client: Douglas Partners Pty Ltd

Address: 68 Brighton Street
RICHMOND VIC 3121

Attention: Tamie Dick

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Certificate of Analysis

Batch No: 10-03166

Final Report

Report Number: 139871



Ecwise Australia Pty Ltd
Caribbean Business Park
22 Dalmore Drive
Scoresby VIC 3179
Tel: 03 8756 8000
Fax: 03 9763 1862

Date Issued: 22-Jan-2010

Client Program Ref: 42662

PO No: 84625

Date Sampled: 15-Jan-2010

Ecwise Program Ref: DOUGLAS

Date Received: 15-Jan-2010

The sample(s) referred to in this report were analysed by the following method(s):

Analysis	Method	Laboratory	Analysis	Method	Laboratory	Analysis	Method	Laboratory
CHC	WSL 8210 B (HCCP not NATA)	Melbourne	Cyanide	APHA 4120 B	Melbourne	Tot Fluoride	NEPM 404 (not NATA)	Melbourne
HVOL	VIC-CM047	Melbourne	MAH	VIC-CM047	Melbourne	MS Total Metals	WSL 032	Melbourne
OCP	WSL 8080B	Melbourne	PAH	WSL 8100B	Melbourne	PCB	WSL 8080B	Melbourne
Phenols(Halo)	CM8040D	Melbourne	Phenols(NonHalo)	CM8040D	Melbourne	Total Cr 6+	EPA 3060A (not NATA)	Melbourne
TPH	VIC-CM030	Melbourne						

Total PAH's refers only to the sum of the positive individual PAH's tested above.

Total PCB's refers only to the sum of the positive Aroclors® tested above.

Principal Contact for this Report:

Tuyen Nguyen
Client Manager



This document is issued in accordance with NATA's accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

The results in this report were authorised by:

Name	Title
Hao Zhang	Principal Organic Chemist
John Earl	Team Leader - Metals
Kosta Christopoulos	Chemist/Analyst
Michael Clahsen	Principal Inorganic Chemist



Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS

LOR = Limit of reporting. When a reported LOR is higher than the standard LOR, this may be due to high moisture content, insufficient sample or matrix interference.

CAS Number = Chemistry Abstract Services Number. The analytical procedures in this report (including in house methods) are developed from internationally recognised procedures such as those published by USEPA, APHA and NEPM.

					Sample No.						
					Client Sample ID						
					Sample Date						
					Sample Type						
Analysis	Analyte	CAS #	LOR			2056904	2056905	2056907	2056909	2056911	2056914
CHC	1,2,3,4-Tetrachlorobenzene	634-66-2	<0.1	mg/kg		B1-2	B2-1	B3-1	B4-1	B5-1	B6-2
CHC	1,2,3,5-Tetrachlorobenzene	634-90-2	<0.1	mg/kg		15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
CHC	1,2,3-Trichlorobenzene	87-61-6	<0.1	mg/kg		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
CHC	1,2,4,5-Tetrachlorobenzene	95-94-3	<0.1	mg/kg							
CHC	1,2,4-Trichlorobenzene	120-82-1	<0.1	mg/kg							
CHC	1,2-Dichlorobenzene	95-50-1	<0.1	mg/kg							
CHC	1,3,5-Trichlorobenzene	108-70-3	<0.1	mg/kg							
CHC	1,3-Dichlorobenzene	541-73-1	<0.1	mg/kg							
CHC	1,4-Dichlorobenzene	106-46-7	<0.1	mg/kg							
CHC	2-Chloronaphthalene	91-58-7	<0.1	mg/kg							
CHC	Benzal Chloride	98-87-3	<0.1	mg/kg							
CHC	Benzotrichloride	98-07-7	<0.1	mg/kg							
CHC	Benzylchloride	100-44-7	<0.1	mg/kg							
CHC	Hexachloroethane	67-72-1	<0.1	mg/kg							
CHC	Hexachlorobutadiene	87-68-3	<0.1	mg/kg							
CHC	Hexachlorocyclopentadiene	77-47-4	<0.1	mg/kg							
CHC	Pentachlorobenzene	608-93-5	<0.1	mg/kg							
Analysis	Analyte	CAS #	LOR								
HVOL	1,1,1,2-Tetrachloroethane	630-20-6	<0.5	mg/kg							
HVOL	1,1,2,2-Tetrachloroethane	79-34-5	<0.5	mg/kg							
HVOL	1,1- Dichloroethane	75-34-3	<0.5	mg/kg							
HVOL	1,1-Dichloroethene	75-35-4	<0.5	mg/kg							
HVOL	1,1-Dichloropropene	563-58-6	<0.5	mg/kg							
HVOL	1,2,3-Trichloropropane	96-18-4	<0.5	mg/kg							
HVOL	1,2-Dibromo-3-Chloropropane	96-12-8	<0.5	mg/kg							
HVOL	1,2-Dichloroethene [cis]	540-59-0(cis)	<0.5	mg/kg							
HVOL	1,2-Dichloroethene [trans]	540-59-0(trans)	<0.5	mg/kg							
HVOL	1,2-Dichloroethane	107-06-2	<0.5	mg/kg							
HVOL	1,2-Dichloropropane	78-87-5	<0.5	mg/kg							
HVOL	1,3-Dichloropropane	142-28-9	<0.5	mg/kg							
HVOL	1,3-Dichloropropene [cis]	10061-01-5	<0.5	mg/kg							

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample No.	2056904	2056905	2056907	2056909	2056911	2056914
					Client Sample ID	B1-2	B2-1	B3-1	B4-1	B5-1	B6-2
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
HVOL	1,3-Dichloropropene [trans]	10061-02-6	<0.5	mg/kg				<0.5			
HVOL	2,2-Dichloropropane	594-20-7	<0.5	mg/kg				<0.5			
HVOL	2-Chlorotoluene	95-49-8	<0.5	mg/kg				<0.5			
HVOL	4-Chlorotoluene	106-43-4	<0.5	mg/kg				<0.5			
HVOL	Bromochloromethane	74-97-5	<0.5	mg/kg				<0.5			
HVOL	Bromodichloromethane	75-27-4	<0.5	mg/kg				<0.5			
HVOL	Bromobenzene	108-86-1	<0.5	mg/kg				<0.5			
HVOL	Bromoform (Tribromomethane)	75-25-2	<0.5	mg/kg				<0.5			
HVOL	Carbon Tetrachloride	56-23-5	<0.5	mg/kg				<0.5			
HVOL	Chloroform (Trichloromethane)	67-66-3	<0.5	mg/kg				<0.5			
HVOL	Chlorobenzene	108-90-7	<0.5	mg/kg				<0.5			
HVOL	Dibromochloromethane	124-48-1	<0.5	mg/kg				<0.5			
HVOL	Dibromomethane	74-95-3	<0.5	mg/kg				<0.5			
HVOL	1,2-Dibromoethane	106-93-4	<0.5	mg/kg				<0.5			
HVOL	Dichloromethane	75-09-2	<1	mg/kg				<1			
HVOL	Trichlorofluoromethane (CFC11)	75-69-4	<2	mg/kg				<2			
HVOL	Tetrachloroethene	127-18-4	<0.5	mg/kg				<0.5			
HVOL	Vinyl Chloride (Monomer)	75-01-4	<1	mg/kg				<1			
HVOL	1,1,1-Trichloroethane	71-55-6	<0.5	mg/kg				<0.5			
HVOL	1,1,2-Trichloroethane	79-00-5	<0.5	mg/kg				<0.5			
HVOL	Trichloroethene	79-01-6	<0.5	mg/kg				<0.5			
Analysis	Analyte	CAS #	LOR								
MAH	Benzene	71-43-2	<0.5	mg/kg				<0.5			
MAH	Toluene	108-88-3	<0.5	mg/kg				<0.5			
MAH	Ethyl Benzene	100-41-4	<0.5	mg/kg				<0.5			
MAH	Xylenes	1330-20-7	<0.5	mg/kg				<0.5			
MAH	Styrene	100-42-5	<0.5	mg/kg				<0.5			
MAH	Cumene	98-82-8	<0.5	mg/kg				<0.5			
MAH	1,2,4-Trimethylbenzene	95-63-6	<0.5	mg/kg				<0.5			
Analysis	Analyte	CAS #	LOR								
OCP	BHC (alpha isomer)	319-84-6	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	a-Endosulphan	959-98-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Aldrin	309-00-2	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	BHC (beta isomer)	319-85-7	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

Client: Douglas Partners Pty Ltd

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Ecowise Program Ref: DOUGLAS



					Sample No.	2056904	2056905	2056907	2056909	2056911	2056914
					Client Sample ID	B1-2	B2-1	B3-1	B4-1	B5-1	B6-2
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
OCP	b-Endosulphan	33213-65-9	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	cis-Chlordane	5103-71-9	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	trans-Chlordane	5103-74-2	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	BHC (delta isomer)	319-86-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	DDD	72-54-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	DDE	72-55-9	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	DDT	50-29-3	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Dieldrin	60-57-1	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endosulfan Sulfate	1031-07-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endrin	72-20-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endrin Aldehyde	7421-93-4	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endrin Ketone	53494-70-5	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Hexachlorobenzene	118-74-1	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Heptachlor Epoxide	1024-57-3	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Heptachlor	76-44-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	BHC (gamma isomer) [Lindane]	58-89-9	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Methoxychlor	72-43-5	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Analysis	Analyte	CAS #	LOR								
PAH	Acenaphthene	83-32-9	<0.1	mg/kg				<0.1			
PAH	Acenaphthylene	208-96-8	<0.1	mg/kg				<0.1			
PAH	Anthracene	120-12-7	<0.1	mg/kg				<0.1			
PAH	Benz(a)anthracene	56-55-3	<0.1	mg/kg				<0.1			
PAH	Benzo(a)pyrene	50-32-8	<0.1	mg/kg				<0.1			
PAH	Benzo(b)fluoranthene	205-99-2	<0.1	mg/kg				<0.1			
PAH	Benzo(g,h,i)perylene	191-24-2	<0.1	mg/kg				<0.1			
PAH	Benzo(k)fluoranthene	207-08-9	<0.1	mg/kg				<0.1			
PAH	Chrysene	218-01-9	<0.1	mg/kg				<0.1			
PAH	Dibenz(a,h)anthracene	53-70-3	<0.1	mg/kg				<0.1			
PAH	Fluoranthene	206-44-0	<0.1	mg/kg				<0.1			
PAH	Fluorene	86-73-7	<0.1	mg/kg				<0.1			
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	<0.1	mg/kg				<0.1			
PAH	Naphthalene	91-20-3	<0.1	mg/kg				<0.1			
PAH	Phenanthrene	85-01-8	<0.1	mg/kg				<0.1			
PAH	Pyrene	129-00-0	<0.1	mg/kg				<0.1			

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					Sample No.	2056904	2056905	2056907	2056909	2056911	2056914
					Client Sample ID	B1-2	B2-1	B3-1	B4-1	B5-1	B6-2
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
PAH	Total PAH	TOTALPAH	<0.1	mg/kg				<0.1			
Analysis	Analyte	CAS #	LOR								
PCB	Aroclor 1016	12674-11-2	<0.1	mg/kg				<0.1			
PCB	Aroclor 1221	11104-28-2	<0.1	mg/kg				<0.1			
PCB	Aroclor 1232	11141-16-5	<0.1	mg/kg				<0.1			
PCB	Aroclor 1242	53469-21-9	<0.1	mg/kg				<0.1			
PCB	Aroclor 1248	12672-29-6	<0.1	mg/kg				<0.1			
PCB	Aroclor 1254	11097-69-1	<0.1	mg/kg				<0.1			
PCB	Aroclor 1260	11096-82-5	<0.1	mg/kg				<0.1			
PCB	Total PCB	1336-36-3	<0.1	mg/kg				<0.1			
Analysis	Analyte	CAS #	LOR								
Phenols(Halo)	4-Chloro-3-Methylphenol	59-50-7	<0.5	mg/kg				<0.5			
Phenols(Halo)	2-Chlorophenol	95-57-8	<0.5	mg/kg				<0.5			
Phenols(Halo)	2,4-Dichlorophenol	120-83-2	<0.5	mg/kg				<0.5			
Phenols(Halo)	2,6-Dichlorophenol	87-65-0	<0.5	mg/kg				<0.5			
Phenols(Halo)	Pentachlorophenol	87-86-5	<0.5	mg/kg				<0.5			
Phenols(Halo)	2,3,4,5-Tetrachlorophenol	4901-51-3	<0.5	mg/kg				<0.5			
Phenols(Halo)	2,3,4,6-Tetrachlorophenol	58-90-2	<0.5	mg/kg				<0.5			
Phenols(Halo)	2,3,5,6-Tetrachlorophenol	935-95-5	<0.5	mg/kg				<0.5			
Phenols(Halo)	2,4,5-Trichlorophenol	95-95-4	<0.5	mg/kg				<0.5			
Phenols(Halo)	2,4,6-Trichlorophenol	88-06-2	<0.5	mg/kg				<0.5			
Phenols(Halo)	Total Phenols (Halogenated)	64743-03-9(Hal)	<0.5	mg/kg				<0.5			
Analysis	Analyte	CAS #	LOR								
Phenols(NonHalo)	Phenol	108-95-2	<0.5	mg/kg				<0.5			
Phenols(NonHalo)	Total Cresols	1319-77-3	<1	mg/kg				<1			
Phenols(NonHalo)	2,4-Dimethylphenol	105-67-9	<0.5	mg/kg				<0.5			
Phenols(NonHalo)	2,4-Dinitrophenol	51-28-5	<30	mg/kg				<30			
Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	534-52-1	<10	mg/kg				<10			
Phenols(NonHalo)	2-Nitrophenol	88-75-5	<0.5	mg/kg				<0.5			
Phenols(NonHalo)	4-Nitrophenol	100-02-7	<0.5	mg/kg				<0.5			
Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	131-89-5	<30	mg/kg				<30			
Phenols(NonHalo)	Dinoseb	88-85-7	<10	mg/kg				<10			
Phenols(NonHalo)	Total Phenols (non Halogenated)	64743-03-9(Non)	<30	mg/kg				<30			
Analysis	Analyte	CAS #	LOR								

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					Sample No.	2056904	2056905	2056907	2056909	2056911	2056914
					Client Sample ID	B1-2	B2-1	B3-1	B4-1	B5-1	B6-2
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Tot Fluoride	Total Fluoride, as F	16984-48-8	<100	mg/kg				240			
Cyanide	Cyanide, as CN	57-12-5	<5	mg/kg				<5			
Total Cr 6+	Hexavalent Chromium (Total) Soil	18540-29-9	<1	mg/kg				<1			
Analysis	Analyte	CAS #	LOR								
MS Total Metals	Arsenic	7440-38-2	<5	mg/kg	<5	<5	<5	<5	<5	<5	<5
MS Total Metals	Cadmium	7440-43-9	<0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
MS Total Metals	Chromium	7440-47-3	<5	mg/kg	22	33		24	24	30	
MS Total Metals	Copper	7440-50-8	<5	mg/kg	11	12	10	8	6	7	
MS Total Metals	Lead	7439-92-1	<5	mg/kg	11	23	15	15	15	11	
MS Total Metals	Mercury	7439-97-6	<0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MS Total Metals	Molybdenum	7439-98-7	<5	mg/kg	<5	<5	<5	<5	<5	<5	<5
MS Total Metals	Nickel	7440-02-0	<5	mg/kg	29	14	15	8	7	18	
MS Total Metals	Selenium	7782-49-2	<5	mg/kg	<5	<5	<5	<5	<5	<5	<5
MS Total Metals	Silver	7440-22-4	<5	mg/kg	<5	<5	<5	<5	<5	<5	<5
MS Total Metals	Tin	7440-31-5	<5	mg/kg	<5	<5	<5	<5	<5	<5	<5
MS Total Metals	Zinc	7440-66-6	<5	mg/kg	11	29	12	24	10	11	
Analysis	Analyte	CAS #	LOR								
TPH	Petroleum Hydrocarbons (C6-C9)	TPHC6_C9	<20	mg/kg			<20				
TPH	Petroleum Hydrocarbons (C10-C14)	TPHC10_C14	<20	mg/kg			<20				
TPH	Petroleum Hydrocarbons (C15-C28)	TPHC15_C28	<50	mg/kg			<50				
TPH	Petroleum Hydrocarbons (C29-C36)	TPHC29_C36	<50	mg/kg			53				

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CAS Number = Chemistry Abstract Services Number. The analytical procedures in this report (including in house methods) are developed from internationally recognised procedures such as those published by USEPA, APHA and NEPM.

					Sample No.						
					Client Sample ID						
					Sample Date						
					Sample Type						
Analysis	Analyte	CAS #	LOR			2056915	2056917	2056919	2056922	2056923	2056925
OCP	BHC (alpha isomer)	319-84-6	<0.05	mg/kg		B7-1	B8-1	B9-1	B10-2	B11-1	B12-1
OCP	a-Endosulphan	959-98-8	<0.05	mg/kg		15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
OCP	Aldrin	309-00-2	<0.05	mg/kg		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
OCP	BHC (beta isomer)	319-85-7	<0.05	mg/kg							
OCP	b-Endosulphan	33213-65-9	<0.05	mg/kg							
OCP	cis-Chlordane	5103-71-9	<0.05	mg/kg							
OCP	trans-Chlordane	5103-74-2	<0.05	mg/kg							
OCP	BHC (delta isomer)	319-86-8	<0.05	mg/kg							
OCP	DDD	72-54-8	<0.05	mg/kg							
OCP	DDE	72-55-9	<0.05	mg/kg							
OCP	DDT	50-29-3	<0.05	mg/kg							
OCP	Dieldrin	60-57-1	<0.05	mg/kg							
OCP	Endosulfan Sulfate	1031-07-8	<0.05	mg/kg							
OCP	Endrin	72-20-8	<0.05	mg/kg							
OCP	Endrin Aldehyde	7421-93-4	<0.05	mg/kg							
OCP	Endrin Ketone	53494-70-5	<0.05	mg/kg							
OCP	Hexachlorobenzene	118-74-1	<0.05	mg/kg							
OCP	Heptachlor Epoxide	1024-57-3	<0.05	mg/kg							
OCP	Heptachlor	76-44-8	<0.05	mg/kg							
OCP	BHC (gamma isomer) [Lindane]	58-89-9	<0.05	mg/kg							
OCP	Methoxychlor	72-43-5	<0.05	mg/kg							
Analysis	Analyte	CAS #	LOR								
MS Total Metals	Arsenic	7440-38-2	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Cadmium	7440-43-9	<0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
MS Total Metals	Chromium	7440-47-3	<5	mg/kg		34	24	24	25	29	24
MS Total Metals	Copper	7440-50-8	<5	mg/kg		7	6	7	8	7	7
MS Total Metals	Lead	7439-92-1	<5	mg/kg		11	16	14	12	17	17
MS Total Metals	Mercury	7439-97-6	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MS Total Metals	Molybdenum	7439-98-7	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Nickel	7440-02-0	<5	mg/kg		12	6	8	35	9	8
MS Total Metals	Selenium	7782-49-2	<5	mg/kg		<5	<5	<5	<5	<5	<5

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

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					Sample No.	2056915	2056917	2056919	2056922	2056923	2056925
					Client Sample ID	B7-1	B8-1	B9-1	B10-2	B11-1	B12-1
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
MS Total Metals	Silver	7440-22-4	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Tin	7440-31-5	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Zinc	7440-66-6	<5	mg/kg		10	10	10	10	10	13

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CAS Number = Chemistry Abstract Services Number. The analytical procedures in this report (including in house methods) are developed from internationally recognised procedures such as those published by USEPA, APHA and NEPM.

					Sample No.						
					Client Sample ID						
					Sample Date						
					Sample Type						
Analysis	Analyte	CAS #	LOR			2056927	2056929	2056931	2056933	2056935	2056937
OCP	BHC (alpha isomer)	319-84-6	<0.05	mg/kg		B13-1	B14-1	B15-1	B16-1	B17-1	B18-1
OCP	a-Endosulphan	959-98-8	<0.05	mg/kg		15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
OCP	Aldrin	309-00-2	<0.05	mg/kg		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
OCP	BHC (beta isomer)	319-85-7	<0.05	mg/kg							
OCP	b-Endosulphan	33213-65-9	<0.05	mg/kg							
OCP	cis-Chlordane	5103-71-9	<0.05	mg/kg							
OCP	trans-Chlordane	5103-74-2	<0.05	mg/kg							
OCP	BHC (delta isomer)	319-86-8	<0.05	mg/kg							
OCP	DDD	72-54-8	<0.05	mg/kg							
OCP	DDE	72-55-9	<0.05	mg/kg							
OCP	DDT	50-29-3	<0.05	mg/kg							
OCP	Dieldrin	60-57-1	<0.05	mg/kg							
OCP	Endosulfan Sulfate	1031-07-8	<0.05	mg/kg							
OCP	Endrin	72-20-8	<0.05	mg/kg							
OCP	Endrin Aldehyde	7421-93-4	<0.05	mg/kg							
OCP	Endrin Ketone	53494-70-5	<0.05	mg/kg							
OCP	Hexachlorobenzene	118-74-1	<0.05	mg/kg							
OCP	Heptachlor Epoxide	1024-57-3	<0.05	mg/kg							
OCP	Heptachlor	76-44-8	<0.05	mg/kg							
OCP	BHC (gamma isomer) [Lindane]	58-89-9	<0.05	mg/kg							
OCP	Methoxychlor	72-43-5	<0.05	mg/kg							
Analysis	Analyte	CAS #	LOR								
MS Total Metals	Arsenic	7440-38-2	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Cadmium	7440-43-9	<0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
MS Total Metals	Chromium	7440-47-3	<5	mg/kg		20	20	32	23	29	26
MS Total Metals	Copper	7440-50-8	<5	mg/kg		8	5	7	6	6	7
MS Total Metals	Lead	7439-92-1	<5	mg/kg		18	12	19	15	18	13
MS Total Metals	Mercury	7439-97-6	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MS Total Metals	Molybdenum	7439-98-7	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Nickel	7440-02-0	<5	mg/kg		9	5	9	6	8	8
MS Total Metals	Selenium	7782-49-2	<5	mg/kg		<5	<5	<5	<5	<5	<5

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Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample No.	2056927	2056929	2056931	2056933	2056935	2056937
					Client Sample ID	B13-1	B14-1	B15-1	B16-1	B17-1	B18-1
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
MS Total Metals	Silver	7440-22-4	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Tin	7440-31-5	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Zinc	7440-66-6	<5	mg/kg		16	8	13	8	11	9

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					Sample No.						
					Client Sample ID						
					Sample Date						
					Sample Type						
Analysis	Analyte	CAS #	LOR			2056939	2056941	2056943	2056946	2056947	2056950
CHC	1,2,3,4-Tetrachlorobenzene	634-66-2	<0.1	mg/kg		B19-1	B20-1	B21-1	B22-2	B23-1	B24-2
CHC	1,2,3,5-Tetrachlorobenzene	634-90-2	<0.1	mg/kg		15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
CHC	1,2,3-Trichlorobenzene	87-61-6	<0.1	mg/kg		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
CHC	1,2,4,5-Tetrachlorobenzene	95-94-3	<0.1	mg/kg							
CHC	1,2,4-Trichlorobenzene	120-82-1	<0.1	mg/kg							
CHC	1,2-Dichlorobenzene	95-50-1	<0.1	mg/kg							
CHC	1,3,5-Trichlorobenzene	108-70-3	<0.1	mg/kg							
CHC	1,3-Dichlorobenzene	541-73-1	<0.1	mg/kg							
CHC	1,4-Dichlorobenzene	106-46-7	<0.1	mg/kg							
CHC	2-Chloronaphthalene	91-58-7	<0.1	mg/kg							
CHC	Benzal Chloride	98-87-3	<0.1	mg/kg							
CHC	Benzotrichloride	98-07-7	<0.1	mg/kg							
CHC	Benzylchloride	100-44-7	<0.1	mg/kg							
CHC	Hexachloroethane	67-72-1	<0.1	mg/kg							
CHC	Hexachlorobutadiene	87-68-3	<0.1	mg/kg							
CHC	Hexachlorocyclopentadiene	77-47-4	<0.1	mg/kg							
CHC	Pentachlorobenzene	608-93-5	<0.1	mg/kg							
Analysis	Analyte	CAS #	LOR								
HVOL	1,1,1,2-Tetrachloroethane	630-20-6	<0.5	mg/kg							
HVOL	1,1,2,2-Tetrachloroethane	79-34-5	<0.5	mg/kg							
HVOL	1,1- Dichloroethane	75-34-3	<0.5	mg/kg							
HVOL	1,1-Dichloroethene	75-35-4	<0.5	mg/kg							
HVOL	1,1-Dichloropropene	563-58-6	<0.5	mg/kg							
HVOL	1,2,3-Trichloropropane	96-18-4	<0.5	mg/kg							
HVOL	1,2-Dibromo-3-Chloropropane	96-12-8	<0.5	mg/kg							
HVOL	1,2-Dichloroethene [cis]	540-59-0(cis)	<0.5	mg/kg							
HVOL	1,2-Dichloroethene [trans]	540-59-0(trans)	<0.5	mg/kg							
HVOL	1,2-Dichloroethane	107-06-2	<0.5	mg/kg							
HVOL	1,2-Dichloropropane	78-87-5	<0.5	mg/kg							
HVOL	1,3-Dichloropropane	142-28-9	<0.5	mg/kg							
HVOL	1,3-Dichloropropene [cis]	10061-01-5	<0.5	mg/kg							

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample No.	2056939	2056941	2056943	2056946	2056947	2056950
					Client Sample ID	B19-1	B20-1	B21-1	B22-2	B23-1	B24-2
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
HVOL	1,3-Dichloropropene [trans]	10061-02-6	<0.5	mg/kg		<0.5					
HVOL	2,2-Dichloropropane	594-20-7	<0.5	mg/kg		<0.5					
HVOL	2-Chlorotoluene	95-49-8	<0.5	mg/kg		<0.5					
HVOL	4-Chlorotoluene	106-43-4	<0.5	mg/kg		<0.5					
HVOL	Bromochloromethane	74-97-5	<0.5	mg/kg		<0.5					
HVOL	Bromodichloromethane	75-27-4	<0.5	mg/kg		<0.5					
HVOL	Bromobenzene	108-86-1	<0.5	mg/kg		<0.5					
HVOL	Bromoform (Tribromomethane)	75-25-2	<0.5	mg/kg		<0.5					
HVOL	Carbon Tetrachloride	56-23-5	<0.5	mg/kg		<0.5					
HVOL	Chloroform (Trichloromethane)	67-66-3	<0.5	mg/kg		<0.5					
HVOL	Chlorobenzene	108-90-7	<0.5	mg/kg		<0.5					
HVOL	Dibromochloromethane	124-48-1	<0.5	mg/kg		<0.5					
HVOL	Dibromomethane	74-95-3	<0.5	mg/kg		<0.5					
HVOL	1,2-Dibromoethane	106-93-4	<0.5	mg/kg		<0.5					
HVOL	Dichloromethane	75-09-2	<1	mg/kg		<1					
HVOL	Trichlorofluoromethane (CFC11)	75-69-4	<2	mg/kg		<2					
HVOL	Tetrachloroethene	127-18-4	<0.5	mg/kg		<0.5					
HVOL	Vinyl Chloride (Monomer)	75-01-4	<1	mg/kg		<1					
HVOL	1,1,1-Trichloroethane	71-55-6	<0.5	mg/kg		<0.5					
HVOL	1,1,2-Trichloroethane	79-00-5	<0.5	mg/kg		<0.5					
HVOL	Trichloroethene	79-01-6	<0.5	mg/kg		<0.5					
Analysis	Analyte	CAS #	LOR								
MAH	Benzene	71-43-2	<0.5	mg/kg		<0.5					
MAH	Toluene	108-88-3	<0.5	mg/kg		<0.5					
MAH	Ethyl Benzene	100-41-4	<0.5	mg/kg		<0.5					
MAH	Xylenes	1330-20-7	<0.5	mg/kg		<0.5					
MAH	Styrene	100-42-5	<0.5	mg/kg		<0.5					
MAH	Cumene	98-82-8	<0.5	mg/kg		<0.5					
MAH	1,2,4-Trimethylbenzene	95-63-6	<0.5	mg/kg		<0.5					
Analysis	Analyte	CAS #	LOR								
OCP	BHC (alpha isomer)	319-84-6	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	a-Endosulphan	959-98-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Aldrin	309-00-2	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	BHC (beta isomer)	319-85-7	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample No.	2056939	2056941	2056943	2056946	2056947	2056950
					Client Sample ID	B19-1	B20-1	B21-1	B22-2	B23-1	B24-2
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
OCP	b-Endosulphan	33213-65-9	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	cis-Chlordane	5103-71-9	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	trans-Chlordane	5103-74-2	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	BHC (delta isomer)	319-86-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	DDD	72-54-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	DDE	72-55-9	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	DDT	50-29-3	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Dieldrin	60-57-1	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endosulfan Sulfate	1031-07-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endrin	72-20-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endrin Aldehyde	7421-93-4	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Endrin Ketone	53494-70-5	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Hexachlorobenzene	118-74-1	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Heptachlor Epoxide	1024-57-3	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Heptachlor	76-44-8	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	BHC (gamma isomer) [Lindane]	58-89-9	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
OCP	Methoxychlor	72-43-5	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Analysis	Analyte	CAS #	LOR								
PAH	Acenaphthene	83-32-9	<0.1	mg/kg		<0.1					
PAH	Acenaphthylene	208-96-8	<0.1	mg/kg		<0.1					
PAH	Anthracene	120-12-7	<0.1	mg/kg		<0.1					
PAH	Benz(a)anthracene	56-55-3	<0.1	mg/kg		<0.1					
PAH	Benzo(a)pyrene	50-32-8	<0.1	mg/kg		<0.1					
PAH	Benzo(b)fluoranthene	205-99-2	<0.1	mg/kg		<0.1					
PAH	Benzo(g,h,i)perylene	191-24-2	<0.1	mg/kg		<0.1					
PAH	Benzo(k)fluoranthene	207-08-9	<0.1	mg/kg		<0.1					
PAH	Chrysene	218-01-9	<0.1	mg/kg		<0.1					
PAH	Dibenz(a,h)anthracene	53-70-3	<0.1	mg/kg		<0.1					
PAH	Fluoranthene	206-44-0	<0.1	mg/kg		<0.1					
PAH	Fluorene	86-73-7	<0.1	mg/kg		<0.1					
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	<0.1	mg/kg		<0.1					
PAH	Naphthalene	91-20-3	<0.1	mg/kg		<0.1					
PAH	Phenanthrene	85-01-8	<0.1	mg/kg		<0.1					
PAH	Pyrene	129-00-0	<0.1	mg/kg		<0.1					

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample No.	2056939	2056941	2056943	2056946	2056947	2056950
					Client Sample ID	B19-1	B20-1	B21-1	B22-2	B23-1	B24-2
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
PAH	Total PAH	TOTALPAH	<0.1	mg/kg		<0.1					
Analysis	Analyte	CAS #	LOR								
PCB	Aroclor 1016	12674-11-2	<0.1	mg/kg		<0.1					
PCB	Aroclor 1221	11104-28-2	<0.1	mg/kg		<0.1					
PCB	Aroclor 1232	11141-16-5	<0.1	mg/kg		<0.1					
PCB	Aroclor 1242	53469-21-9	<0.1	mg/kg		<0.1					
PCB	Aroclor 1248	12672-29-6	<0.1	mg/kg		<0.1					
PCB	Aroclor 1254	11097-69-1	<0.1	mg/kg		<0.1					
PCB	Aroclor 1260	11096-82-5	<0.1	mg/kg		<0.1					
PCB	Total PCB	1336-36-3	<0.1	mg/kg		<0.1					
Analysis	Analyte	CAS #	LOR								
Phenols(Halo)	4-Chloro-3-Methylphenol	59-50-7	<0.5	mg/kg		<0.5					
Phenols(Halo)	2-Chlorophenol	95-57-8	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,4-Dichlorophenol	120-83-2	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,6-Dichlorophenol	87-65-0	<0.5	mg/kg		<0.5					
Phenols(Halo)	Pentachlorophenol	87-86-5	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,3,4,5-Tetrachlorophenol	4901-51-3	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,3,4,6-Tetrachlorophenol	58-90-2	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,3,5,6-Tetrachlorophenol	935-95-5	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,4,5-Trichlorophenol	95-95-4	<0.5	mg/kg		<0.5					
Phenols(Halo)	2,4,6-Trichlorophenol	88-06-2	<0.5	mg/kg		<0.5					
Phenols(Halo)	Total Phenols (Halogenated)	64743-03-9(Hal	<0.5	mg/kg		<0.5					
Analysis	Analyte	CAS #	LOR								
Phenols(NonHalo)	Phenol	108-95-2	<0.5	mg/kg		<0.5					
Phenols(NonHalo)	Total Cresols	1319-77-3	<1	mg/kg		<1					
Phenols(NonHalo)	2,4-Dimethylphenol	105-67-9	<0.5	mg/kg		<0.5					
Phenols(NonHalo)	2,4-Dinitrophenol	51-28-5	<30	mg/kg		<30					
Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	534-52-1	<10	mg/kg		<10					
Phenols(NonHalo)	2-Nitrophenol	88-75-5	<0.5	mg/kg		<0.5					
Phenols(NonHalo)	4-Nitrophenol	100-02-7	<0.5	mg/kg		<0.5					
Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	131-89-5	<30	mg/kg		<30					
Phenols(NonHalo)	Dinoseb	88-85-7	<10	mg/kg		<10					
Phenols(NonHalo)	Total Phenols (non Halogenated)	64743-03-9(Non	<30	mg/kg		<30					
Analysis	Analyte	CAS #	LOR								

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample No.	2056939	2056941	2056943	2056946	2056947	2056950
					Client Sample ID	B19-1	B20-1	B21-1	B22-2	B23-1	B24-2
					Sample Date	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10	15/01/10
					Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Tot Fluoride	Total Fluoride, as F	16984-48-8	<100	mg/kg		210					
Cyanide	Cyanide, as CN	57-12-5	<5	mg/kg		<5					
Total Cr 6+	Hexavalent Chromium (Total) Soil	18540-29-9	<1	mg/kg		<1					
Analysis	Analyte	CAS #	LOR								
MS Total Metals	Arsenic	7440-38-2	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Cadmium	7440-43-9	<0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	0.2	<0.2
MS Total Metals	Chromium	7440-47-3	<5	mg/kg			37	32	32	28	19
MS Total Metals	Copper	7440-50-8	<5	mg/kg		11	8	11	10	10	6
MS Total Metals	Lead	7439-92-1	<5	mg/kg		15	16	13	11	13	10
MS Total Metals	Mercury	7439-97-6	<0.05	mg/kg		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MS Total Metals	Molybdenum	7439-98-7	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Nickel	7440-02-0	<5	mg/kg		18	11	18	23	18	20
MS Total Metals	Selenium	7782-49-2	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Silver	7440-22-4	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Tin	7440-31-5	<5	mg/kg		<5	<5	<5	<5	<5	<5
MS Total Metals	Zinc	7440-66-6	<5	mg/kg		16	6	11	14	10	10
Analysis	Analyte	CAS #	LOR								
TPH	Petroleum Hydrocarbons (C6-C9)	TPHC6_C9	<20	mg/kg		<20					
TPH	Petroleum Hydrocarbons (C10-C14)	TPHC10_C14	<20	mg/kg		<20					
TPH	Petroleum Hydrocarbons (C15-C28)	TPHC15_C28	<50	mg/kg		<50					
TPH	Petroleum Hydrocarbons (C29-C36)	TPHC29_C36	<50	mg/kg		<50					

Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



LOR = Limit of reporting. When a reported LOR is higher than the standard LOR, this may be due to high moisture content, insufficient sample or matrix interference.

CAS Number = Chemistry Abstract Services Number. The analytical procedures in this report (including in house methods) are developed from internationally recognised procedures such as those published by USEPA, APHA and NEPM.

				Sample No.	2056951	2056953
				Client Sample ID	B25-1	DUP1
				Sample Date	15/01/10	15/01/10
				Sample Type	SOIL	SOIL
Analysis	Analyte	CAS #	LOR			
CHC	1,2,3,4-Tetrachlorobenzene	634-66-2	<0.1 mg/kg		<0.1	
CHC	1,2,3,5-Tetrachlorobenzene	634-90-2	<0.1 mg/kg		<0.1	
CHC	1,2,3-Trichlorobenzene	87-61-6	<0.1 mg/kg		<0.1	
CHC	1,2,4,5-Tetrachlorobenzene	95-94-3	<0.1 mg/kg		<0.1	
CHC	1,2,4-Trichlorobenzene	120-82-1	<0.1 mg/kg		<0.1	
CHC	1,2-Dichlorobenzene	95-50-1	<0.1 mg/kg		<0.1	
CHC	1,3,5-Trichlorobenzene	108-70-3	<0.1 mg/kg		<0.1	
CHC	1,3-Dichlorobenzene	541-73-1	<0.1 mg/kg		<0.1	
CHC	1,4-Dichlorobenzene	106-46-7	<0.1 mg/kg		<0.1	
CHC	2-Chloronaphthalene	91-58-7	<0.1 mg/kg		<0.1	
CHC	Benzal Chloride	98-87-3	<0.1 mg/kg		<0.1	
CHC	Benzotrichloride	98-07-7	<0.1 mg/kg		<0.1	
CHC	Benzylchloride	100-44-7	<0.1 mg/kg		<0.1	
CHC	Hexachloroethane	67-72-1	<0.1 mg/kg		<0.1	
CHC	Hexachlorobutadiene	87-68-3	<0.1 mg/kg		<0.1	
CHC	Hexachlorocyclopentadiene	77-47-4	<0.1 mg/kg		<0.1	
CHC	Pentachlorobenzene	608-93-5	<0.1 mg/kg		<0.1	
Analysis	Analyte	CAS #	LOR			
HVOL	1,1,1,2-Tetrachloroethane	630-20-6	<0.5 mg/kg		<0.5	
HVOL	1,1,2,2-Tetrachloroethane	79-34-5	<0.5 mg/kg		<0.5	
HVOL	1,1- Dichloroethane	75-34-3	<0.5 mg/kg		<0.5	
HVOL	1,1-Dichloroethene	75-35-4	<0.5 mg/kg		<0.5	
HVOL	1,1-Dichloropropene	563-58-6	<0.5 mg/kg		<0.5	
HVOL	1,2,3-Trichloropropane	96-18-4	<0.5 mg/kg		<0.5	
HVOL	1,2-Dibromo-3-Chloropropane	96-12-8	<0.5 mg/kg		<0.5	
HVOL	1,2-Dichloroethene [cis]	540-59-0(cis)	<0.5 mg/kg		<0.5	
HVOL	1,2-Dichloroethene [trans]	540-59-0(trans)	<0.5 mg/kg		<0.5	
HVOL	1,2-Dichloroethane	107-06-2	<0.5 mg/kg		<0.5	
HVOL	1,2-Dichloropropane	78-87-5	<0.5 mg/kg		<0.5	
HVOL	1,3-Dichloropropane	142-28-9	<0.5 mg/kg		<0.5	
HVOL	1,3-Dichloropropene [cis]	10061-01-5	<0.5 mg/kg		<0.5	

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample No.	2056951	2056953
					Client Sample ID	B25-1	DUP1
					Sample Date	15/01/10	15/01/10
					Sample Type	SOIL	SOIL
HVOL	1,3-Dichloropropene [trans]	10061-02-6	<0.5	mg/kg		<0.5	
HVOL	2,2-Dichloropropane	594-20-7	<0.5	mg/kg		<0.5	
HVOL	2-Chlorotoluene	95-49-8	<0.5	mg/kg		<0.5	
HVOL	4-Chlorotoluene	106-43-4	<0.5	mg/kg		<0.5	
HVOL	Bromochloromethane	74-97-5	<0.5	mg/kg		<0.5	
HVOL	Bromodichloromethane	75-27-4	<0.5	mg/kg		<0.5	
HVOL	Bromobenzene	108-86-1	<0.5	mg/kg		<0.5	
HVOL	Bromoform (Tribromomethane)	75-25-2	<0.5	mg/kg		<0.5	
HVOL	Carbon Tetrachloride	56-23-5	<0.5	mg/kg		<0.5	
HVOL	Chloroform (Trichloromethane)	67-66-3	<0.5	mg/kg		<0.5	
HVOL	Chlorobenzene	108-90-7	<0.5	mg/kg		<0.5	
HVOL	Dibromochloromethane	124-48-1	<0.5	mg/kg		<0.5	
HVOL	Dibromomethane	74-95-3	<0.5	mg/kg		<0.5	
HVOL	1,2-Dibromoethane	106-93-4	<0.5	mg/kg		<0.5	
HVOL	Dichloromethane	75-09-2	<1	mg/kg		<1	
HVOL	Trichlorofluoromethane (CFC11)	75-69-4	<2	mg/kg		<2	
HVOL	Tetrachloroethene	127-18-4	<0.5	mg/kg		<0.5	
HVOL	Vinyl Chloride (Monomer)	75-01-4	<1	mg/kg		<1	
HVOL	1,1,1-Trichloroethane	71-55-6	<0.5	mg/kg		<0.5	
HVOL	1,1,2-Trichloroethane	79-00-5	<0.5	mg/kg		<0.5	
HVOL	Trichloroethene	79-01-6	<0.5	mg/kg		<0.5	
Analysis	Analyte	CAS #	LOR				
MAH	Benzene	71-43-2	<0.5	mg/kg		<0.5	
MAH	Toluene	108-88-3	<0.5	mg/kg		<0.5	
MAH	Ethyl Benzene	100-41-4	<0.5	mg/kg		<0.5	
MAH	Xylenes	1330-20-7	<0.5	mg/kg		<0.5	
MAH	Styrene	100-42-5	<0.5	mg/kg		<0.5	
MAH	Cumene	98-82-8	<0.5	mg/kg		<0.5	
MAH	1,2,4-Trimethylbenzene	95-63-6	<0.5	mg/kg		<0.5	
Analysis	Analyte	CAS #	LOR				
OCP	BHC (alpha isomer)	319-84-6	<0.05	mg/kg		<0.05	<0.05
OCP	a-Endosulphan	959-98-8	<0.05	mg/kg		<0.05	<0.05
OCP	Aldrin	309-00-2	<0.05	mg/kg		<0.05	<0.05
OCP	BHC (beta isomer)	319-85-7	<0.05	mg/kg		<0.05	<0.05

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Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



				Sample No.	2056951	2056953
				Client Sample ID	B25-1	DUP1
				Sample Date	15/01/10	15/01/10
				Sample Type	SOIL	SOIL
OCP	b-Endosulphan	33213-65-9	<0.05	mg/kg	<0.05	<0.05
OCP	cis-Chlordane	5103-71-9	<0.05	mg/kg	<0.05	<0.05
OCP	trans-Chlordane	5103-74-2	<0.05	mg/kg	<0.05	<0.05
OCP	BHC (delta isomer)	319-86-8	<0.05	mg/kg	<0.05	<0.05
OCP	DDD	72-54-8	<0.05	mg/kg	<0.05	<0.05
OCP	DDE	72-55-9	<0.05	mg/kg	<0.05	<0.05
OCP	DDT	50-29-3	<0.05	mg/kg	<0.05	<0.05
OCP	Dieldrin	60-57-1	<0.05	mg/kg	<0.05	<0.05
OCP	Endosulfan Sulfate	1031-07-8	<0.05	mg/kg	<0.05	<0.05
OCP	Endrin	72-20-8	<0.05	mg/kg	<0.05	<0.05
OCP	Endrin Aldehyde	7421-93-4	<0.05	mg/kg	<0.05	<0.05
OCP	Endrin Ketone	53494-70-5	<0.05	mg/kg	<0.05	<0.05
OCP	Hexachlorobenzene	118-74-1	<0.05	mg/kg	<0.05	<0.05
OCP	Heptachlor Epoxide	1024-57-3	<0.05	mg/kg	<0.05	<0.05
OCP	Heptachlor	76-44-8	<0.05	mg/kg	<0.05	<0.05
OCP	BHC (gamma isomer) [Lindane]	58-89-9	<0.05	mg/kg	<0.05	<0.05
OCP	Methoxychlor	72-43-5	<0.05	mg/kg	<0.05	<0.05
Analysis	Analyte	CAS #	LOR			
PAH	Acenaphthene	83-32-9	<0.1	mg/kg	<0.1	
PAH	Acenaphthylene	208-96-8	<0.1	mg/kg	<0.1	
PAH	Anthracene	120-12-7	<0.1	mg/kg	<0.1	
PAH	Benz(a)anthracene	56-55-3	<0.1	mg/kg	<0.1	
PAH	Benzo(a)pyrene	50-32-8	<0.1	mg/kg	<0.1	
PAH	Benzo(b)fluoranthene	205-99-2	<0.1	mg/kg	<0.1	
PAH	Benzo(g,h,i)perylene	191-24-2	<0.1	mg/kg	<0.1	
PAH	Benzo(k)fluoranthene	207-08-9	<0.1	mg/kg	<0.1	
PAH	Chrysene	218-01-9	<0.1	mg/kg	<0.1	
PAH	Dibenz(a,h)anthracene	53-70-3	<0.1	mg/kg	<0.1	
PAH	Fluoranthene	206-44-0	<0.1	mg/kg	<0.1	
PAH	Fluorene	86-73-7	<0.1	mg/kg	<0.1	
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	<0.1	mg/kg	<0.1	
PAH	Naphthalene	91-20-3	<0.1	mg/kg	<0.1	
PAH	Phenanthrene	85-01-8	<0.1	mg/kg	<0.1	
PAH	Pyrene	129-00-0	<0.1	mg/kg	<0.1	

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

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Ecowise Program Ref: DOUGLAS



					Sample No.	2056951	2056953
					Client Sample ID	B25-1	DUP1
					Sample Date	15/01/10	15/01/10
					Sample Type	SOIL	SOIL
PAH	Total PAH	TOTALPAH	<0.1	mg/kg		<0.1	
Analysis	Analyte	CAS #	LOR				
PCB	Aroclor 1016	12674-11-2	<0.1	mg/kg		<0.1	
PCB	Aroclor 1221	11104-28-2	<0.1	mg/kg		<0.1	
PCB	Aroclor 1232	11141-16-5	<0.1	mg/kg		<0.1	
PCB	Aroclor 1242	53469-21-9	<0.1	mg/kg		<0.1	
PCB	Aroclor 1248	12672-29-6	<0.1	mg/kg		<0.1	
PCB	Aroclor 1254	11097-69-1	<0.1	mg/kg		<0.1	
PCB	Aroclor 1260	11096-82-5	<0.1	mg/kg		<0.1	
PCB	Total PCB	1336-36-3	<0.1	mg/kg		<0.1	
Analysis	Analyte	CAS #	LOR				
Phenols(Halo)	4-Chloro-3-Methylphenol	59-50-7	<0.5	mg/kg		<0.5	
Phenols(Halo)	2-Chlorophenol	95-57-8	<0.5	mg/kg		<0.5	
Phenols(Halo)	2,4-Dichlorophenol	120-83-2	<0.5	mg/kg		<0.5	
Phenols(Halo)	2,6-Dichlorophenol	87-65-0	<0.5	mg/kg		<0.5	
Phenols(Halo)	Pentachlorophenol	87-86-5	<0.5	mg/kg		<0.5	
Phenols(Halo)	2,3,4,5-Tetrachlorophenol	4901-51-3	<0.5	mg/kg		<0.5	
Phenols(Halo)	2,3,4,6-Tetrachlorophenol	58-90-2	<0.5	mg/kg		<0.5	
Phenols(Halo)	2,3,5,6-Tetrachlorophenol	935-95-5	<0.5	mg/kg		<0.5	
Phenols(Halo)	2,4,5-Trichlorophenol	95-95-4	<0.5	mg/kg		<0.5	
Phenols(Halo)	2,4,6-Trichlorophenol	88-06-2	<0.5	mg/kg		<0.5	
Phenols(Halo)	Total Phenols (Halogenated)	64743-03-9(Hal	<0.5	mg/kg		<0.5	
Analysis	Analyte	CAS #	LOR				
Phenols(NonHalo)	Phenol	108-95-2	<0.5	mg/kg		<0.5	
Phenols(NonHalo)	Total Cresols	1319-77-3	<1	mg/kg		<1	
Phenols(NonHalo)	2,4-Dimethylphenol	105-67-9	<0.5	mg/kg		<0.5	
Phenols(NonHalo)	2,4-Dinitrophenol	51-28-5	<30	mg/kg		<30	
Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	534-52-1	<10	mg/kg		<10	
Phenols(NonHalo)	2-Nitrophenol	88-75-5	<0.5	mg/kg		<0.5	
Phenols(NonHalo)	4-Nitrophenol	100-02-7	<0.5	mg/kg		<0.5	
Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	131-89-5	<30	mg/kg		<30	
Phenols(NonHalo)	Dinoseb	88-85-7	<10	mg/kg		<10	
Phenols(NonHalo)	Total Phenols (non Halogenated)	64743-03-9(Non	<30	mg/kg		<30	
Analysis	Analyte	CAS #	LOR				

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

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Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample No.	2056951	2056953
					Client Sample ID	B25-1	DUP1
					Sample Date	15/01/10	15/01/10
					Sample Type	SOIL	SOIL
Tot Fluoride	Total Fluoride, as F	16984-48-8	<100	mg/kg		170	
Cyanide	Cyanide, as CN	57-12-5	<5	mg/kg		<5	
Total Cr 6+	Hexavalent Chromium (Total) Soil	18540-29-9	<1	mg/kg		<1	
Analysis	Analyte	CAS #	LOR				
MS Total Metals	Arsenic	7440-38-2	<5	mg/kg		<5	<5
MS Total Metals	Cadmium	7440-43-9	<0.2	mg/kg		<0.2	<0.2
MS Total Metals	Chromium	7440-47-3	<5	mg/kg			25
MS Total Metals	Copper	7440-50-8	<5	mg/kg		6	6
MS Total Metals	Lead	7439-92-1	<5	mg/kg		13	18
MS Total Metals	Mercury	7439-97-6	<0.05	mg/kg		<0.05	<0.05
MS Total Metals	Molybdenum	7439-98-7	<5	mg/kg		<5	<5
MS Total Metals	Nickel	7440-02-0	<5	mg/kg		8	7
MS Total Metals	Selenium	7782-49-2	<5	mg/kg		<5	<5
MS Total Metals	Silver	7440-22-4	<5	mg/kg		<5	<5
MS Total Metals	Tin	7440-31-5	<5	mg/kg		<5	<5
MS Total Metals	Zinc	7440-66-6	<5	mg/kg		8	17
Analysis	Analyte	CAS #	LOR				
TPH	Petroleum Hydrocarbons (C6-C9)	TPHC6_C9	<20	mg/kg		<20	
TPH	Petroleum Hydrocarbons (C10-C14)	TPHC10_C14	<20	mg/kg		<20	
TPH	Petroleum Hydrocarbons (C15-C28)	TPHC15_C28	<50	mg/kg		<50	
TPH	Petroleum Hydrocarbons (C29-C36)	TPHC29_C36	<50	mg/kg		77	

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QUALITY CONTROL - BLANKS

QC Blanks are an 'analyte free' matrix in which all applicable reagents have been added in the same proportion as in standard samples and are an internal monitor for laboratory contamination.

				Value
Lab Sample ID	Client Sample ID	Analysis	Analyte	
2057257	QC - Blank	Tot Fluoride	Total Fluoride, as F	mg/kg
				<100
2058999	QC - Blank	Total Cr 6+	Hexavalent Chromium (Total) Soil	mg/kg
				<1
Lab Sample ID	Client Sample ID	Analysis	Analyte	
2059956	QC - Blank	MS Total Metals	Arsenic	mg/kg
				<5
2059956	QC - Blank	MS Total Metals	Cadmium	mg/kg
				<0.2
2059956	QC - Blank	MS Total Metals	Chromium	mg/kg
				<5
2059956	QC - Blank	MS Total Metals	Copper	mg/kg
				<5
2059956	QC - Blank	MS Total Metals	Lead	mg/kg
				<5
2059956	QC - Blank	MS Total Metals	Mercury	mg/kg
				<0.05
2059956	QC - Blank	MS Total Metals	Molybdenum	mg/kg
				<5
2059956	QC - Blank	MS Total Metals	Nickel	mg/kg
				<5
2059956	QC - Blank	MS Total Metals	Selenium	mg/kg
				<5
2059956	QC - Blank	MS Total Metals	Silver	mg/kg
				<5
2059956	QC - Blank	MS Total Metals	Tin	mg/kg
				<5
2059956	QC - Blank	MS Total Metals	Zinc	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Arsenic	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Cadmium	mg/kg
				<0.2
2059964	QC - Blank	MS Total Metals	Chromium	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Copper	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Lead	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Mercury	mg/kg
				<0.05
2059964	QC - Blank	MS Total Metals	Molybdenum	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Nickel	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Selenium	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Silver	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Tin	mg/kg
				<5
2059964	QC - Blank	MS Total Metals	Zinc	mg/kg
				<5
Lab Sample ID	Client Sample ID	Analysis	Analyte	
2059810	QC - Blank	MAH	Benzene	mg/kg
				<0.5
2059810	QC - Blank	MAH	Toluene	mg/kg
				<0.5
2059810	QC - Blank	MAH	Ethyl Benzene	mg/kg
				<0.5

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

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					Value
2059810	QC - Blank	MAH	Xylenes	mg/kg	<0.5
2059810	QC - Blank	MAH	Styrene	mg/kg	<0.5
2059810	QC - Blank	MAH	Cumene	mg/kg	<0.5
2059810	QC - Blank	MAH	1,2,4-Trimethylbenzene	mg/kg	<0.5
Lab Sample ID	Client Sample ID	Analysis	Analyte		
2060011	QC - Blank	TPH	Petroleum Hydrocarbons (C6-C9)	mg/kg	<20
2060011	QC - Blank	TPH	Petroleum Hydrocarbons (C10-C14)	mg/kg	<20
2060011	QC - Blank	TPH	Petroleum Hydrocarbons (C15-C28)	mg/kg	<50
2060011	QC - Blank	TPH	Petroleum Hydrocarbons (C29-C36)	mg/kg	<50
Lab Sample ID	Client Sample ID	Analysis	Analyte		
2059702	QC - Blank	PAH	Acenaphthene	mg/kg	<0.1
2059702	QC - Blank	PAH	Acenaphthylene	mg/kg	<0.1
2059702	QC - Blank	PAH	Anthracene	mg/kg	<0.1
2059702	QC - Blank	PAH	Benz(a)anthracene	mg/kg	<0.1
2059702	QC - Blank	PAH	Benzo(a)pyrene	mg/kg	<0.1
2059702	QC - Blank	PAH	Benzo(b)fluoranthene	mg/kg	<0.1
2059702	QC - Blank	PAH	Benzo(g,h,i)perylene	mg/kg	<0.1
2059702	QC - Blank	PAH	Benzo(k)fluoranthene	mg/kg	<0.1
2059702	QC - Blank	PAH	Chrysene	mg/kg	<0.1
2059702	QC - Blank	PAH	Dibenz(a,h)anthracene	mg/kg	<0.1
2059702	QC - Blank	PAH	Fluoranthene	mg/kg	<0.1
2059702	QC - Blank	PAH	Fluorene	mg/kg	<0.1
2059702	QC - Blank	PAH	Indeno(1,2,3-cd)pyrene	mg/kg	<0.1
2059702	QC - Blank	PAH	Naphthalene	mg/kg	<0.1
2059702	QC - Blank	PAH	Phenanthrene	mg/kg	<0.1
2059702	QC - Blank	PAH	Pyrene	mg/kg	<0.1
2059702	QC - Blank	PAH	Total PAH	mg/kg	<0.1
2061311	QC - Blank	PAH	Acenaphthene	mg/kg	<0.1
2061311	QC - Blank	PAH	Acenaphthylene	mg/kg	<0.1
2061311	QC - Blank	PAH	Anthracene	mg/kg	<0.1
2061311	QC - Blank	PAH	Benz(a)anthracene	mg/kg	<0.1
2061311	QC - Blank	PAH	Benzo(a)pyrene	mg/kg	<0.1
2061311	QC - Blank	PAH	Benzo(b)fluoranthene	mg/kg	<0.1
2061311	QC - Blank	PAH	Benzo(g,h,i)perylene	mg/kg	<0.1
2061311	QC - Blank	PAH	Benzo(k)fluoranthene	mg/kg	<0.1
2061311	QC - Blank	PAH	Chrysene	mg/kg	<0.1
2061311	QC - Blank	PAH	Dibenz(a,h)anthracene	mg/kg	<0.1

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					Value
2061311	QC - Blank	PAH	Fluoranthene	mg/kg	<0.1
2061311	QC - Blank	PAH	Fluorene	mg/kg	<0.1
2061311	QC - Blank	PAH	Indeno(1,2,3-cd)pyrene	mg/kg	<0.1
2061311	QC - Blank	PAH	Naphthalene	mg/kg	<0.1
2061311	QC - Blank	PAH	Phenanthrene	mg/kg	<0.1
2061311	QC - Blank	PAH	Pyrene	mg/kg	<0.1
2061311	QC - Blank	PAH	Total PAH	mg/kg	<0.1
Lab Sample ID	Client Sample ID	Analysis	Analyte		
2060055	QC - Blank	OCP	BHC (alpha isomer)	mg/kg	<0.05
2060055	QC - Blank	OCP	a-Endosulphan	mg/kg	<0.05
2060055	QC - Blank	OCP	Aldrin	mg/kg	<0.05
2060055	QC - Blank	OCP	BHC (beta isomer)	mg/kg	<0.05
2060055	QC - Blank	OCP	b-Endosulphan	mg/kg	<0.05
2060055	QC - Blank	OCP	cis-Chlordane	mg/kg	<0.05
2060055	QC - Blank	OCP	trans-Chlordane	mg/kg	<0.05
2060055	QC - Blank	OCP	BHC (delta isomer)	mg/kg	<0.05
2060055	QC - Blank	OCP	DDD	mg/kg	<0.05
2060055	QC - Blank	OCP	DDE	mg/kg	<0.05
2060055	QC - Blank	OCP	DDT	mg/kg	<0.05
2060055	QC - Blank	OCP	Dieldrin	mg/kg	<0.05
2060055	QC - Blank	OCP	Endosulfan Sulfate	mg/kg	<0.05
2060055	QC - Blank	OCP	Endrin	mg/kg	<0.05
2060055	QC - Blank	OCP	Endrin Aldehyde	mg/kg	<0.05
2060055	QC - Blank	OCP	Endrin Ketone	mg/kg	<0.05
2060055	QC - Blank	OCP	Hexachlorobenzene	mg/kg	<0.05
2060055	QC - Blank	OCP	Heptachlor Epoxide	mg/kg	<0.05
2060055	QC - Blank	OCP	Heptachlor	mg/kg	<0.05
2060055	QC - Blank	OCP	BHC (gamma isomer) [Lindane]	mg/kg	<0.05
2060055	QC - Blank	OCP	Methoxychlor	mg/kg	<0.05
2061310	QC - Blank	OCP	BHC (alpha isomer)	mg/kg	<0.05
2061310	QC - Blank	OCP	a-Endosulphan	mg/kg	<0.05
2061310	QC - Blank	OCP	Aldrin	mg/kg	<0.05
2061310	QC - Blank	OCP	BHC (beta isomer)	mg/kg	<0.05
2061310	QC - Blank	OCP	b-Endosulphan	mg/kg	<0.05
2061310	QC - Blank	OCP	cis-Chlordane	mg/kg	<0.05
2061310	QC - Blank	OCP	trans-Chlordane	mg/kg	<0.05
2061310	QC - Blank	OCP	BHC (delta isomer)	mg/kg	<0.05

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					Value
2061310	QC - Blank	OCP	DDD	mg/kg	<0.05
2061310	QC - Blank	OCP	DDE	mg/kg	<0.05
2061310	QC - Blank	OCP	DDT	mg/kg	<0.05
2061310	QC - Blank	OCP	Dieldrin	mg/kg	<0.05
2061310	QC - Blank	OCP	Endosulfan Sulfate	mg/kg	<0.05
2061310	QC - Blank	OCP	Endrin	mg/kg	<0.05
2061310	QC - Blank	OCP	Endrin Aldehyde	mg/kg	<0.05
2061310	QC - Blank	OCP	Endrin Ketone	mg/kg	<0.05
2061310	QC - Blank	OCP	Hexachlorobenzene	mg/kg	<0.05
2061310	QC - Blank	OCP	Heptachlor Epoxide	mg/kg	<0.05
2061310	QC - Blank	OCP	Heptachlor	mg/kg	<0.05
2061310	QC - Blank	OCP	BHC (gamma isomer) [Lindane]	mg/kg	<0.05
2061310	QC - Blank	OCP	Methoxychlor	mg/kg	<0.05
Lab Sample ID	Client Sample ID	Analysis	Analyte		
2059707	QC - Blank	PCB	Aroclor 1016	mg/kg	<0.1
2059707	QC - Blank	PCB	Aroclor 1221	mg/kg	<0.1
2059707	QC - Blank	PCB	Aroclor 1232	mg/kg	<0.1
2059707	QC - Blank	PCB	Aroclor 1242	mg/kg	<0.1
2059707	QC - Blank	PCB	Aroclor 1248	mg/kg	<0.1
2059707	QC - Blank	PCB	Aroclor 1254	mg/kg	<0.1
2059707	QC - Blank	PCB	Aroclor 1260	mg/kg	<0.1
2059707	QC - Blank	PCB	Total PCB	mg/kg	<0.1
2061312	QC - Blank	PCB	Aroclor 1016	mg/kg	<0.1
2061312	QC - Blank	PCB	Aroclor 1221	mg/kg	<0.1
2061312	QC - Blank	PCB	Aroclor 1232	mg/kg	<0.1
2061312	QC - Blank	PCB	Aroclor 1242	mg/kg	<0.1
2061312	QC - Blank	PCB	Aroclor 1248	mg/kg	<0.1
2061312	QC - Blank	PCB	Aroclor 1254	mg/kg	<0.1
2061312	QC - Blank	PCB	Aroclor 1260	mg/kg	<0.1
2061312	QC - Blank	PCB	Total PCB	mg/kg	<0.1
Lab Sample ID	Client Sample ID	Analysis	Analyte		
2059710	QC - Blank	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1
2059710	QC - Blank	CHC	1,2,3,5-Tetrachlorobenzene	mg/kg	<0.1
2059710	QC - Blank	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1
2059710	QC - Blank	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1
2059710	QC - Blank	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1
2059710	QC - Blank	CHC	1,2-Dichlorobenzene	mg/kg	<0.1

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					Value
2059710	QC - Blank	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1
2059710	QC - Blank	CHC	1,3-Dichlorobenzene	mg/kg	<0.1
2059710	QC - Blank	CHC	1,4-Dichlorobenzene	mg/kg	<0.1
2059710	QC - Blank	CHC	2-Chloronaphthalene	mg/kg	<0.1
2059710	QC - Blank	CHC	Benzal Chloride	mg/kg	<0.1
2059710	QC - Blank	CHC	Benzotrichloride	mg/kg	<0.1
2059710	QC - Blank	CHC	Benzylchloride	mg/kg	<0.1
2059710	QC - Blank	CHC	Hexachloroethane	mg/kg	<0.1
2059710	QC - Blank	CHC	Hexachlorobutadiene	mg/kg	<0.1
2059710	QC - Blank	CHC	Hexachlorocyclopentadiene	mg/kg	<0.1
2059710	QC - Blank	CHC	Pentachlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	1,2,3,5-Tetrachlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	1,2-Dichlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	1,3-Dichlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	1,4-Dichlorobenzene	mg/kg	<0.1
2060023	QC - Blank	CHC	2-Chloronaphthalene	mg/kg	<0.1
2060023	QC - Blank	CHC	Benzal Chloride	mg/kg	<0.1
2060023	QC - Blank	CHC	Benzotrichloride	mg/kg	<0.1
2060023	QC - Blank	CHC	Benzylchloride	mg/kg	<0.1
2060023	QC - Blank	CHC	Hexachloroethane	mg/kg	<0.1
2060023	QC - Blank	CHC	Hexachlorobutadiene	mg/kg	<0.1
2060023	QC - Blank	CHC	Hexachlorocyclopentadiene	mg/kg	<0.1
2060023	QC - Blank	CHC	Pentachlorobenzene	mg/kg	<0.1
2061357	QC - Blank	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1
2061357	QC - Blank	CHC	1,2,3,5-Tetrachlorobenzene	mg/kg	<0.1
2061357	QC - Blank	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1
2061357	QC - Blank	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1
2061357	QC - Blank	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1
2061357	QC - Blank	CHC	1,2-Dichlorobenzene	mg/kg	<0.1
2061357	QC - Blank	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1
2061357	QC - Blank	CHC	1,3-Dichlorobenzene	mg/kg	<0.1
2061357	QC - Blank	CHC	1,4-Dichlorobenzene	mg/kg	<0.1

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					Value
2061357	QC - Blank	CHC	2-Chloronaphthalene	mg/kg	<0.1
2061357	QC - Blank	CHC	Benzal Chloride	mg/kg	<0.1
2061357	QC - Blank	CHC	Benzotrachloride	mg/kg	<0.1
2061357	QC - Blank	CHC	Benzylchloride	mg/kg	<0.1
2061357	QC - Blank	CHC	Hexachloroethane	mg/kg	<0.1
2061357	QC - Blank	CHC	Hexachlorobutadiene	mg/kg	<0.1
2061357	QC - Blank	CHC	Hexachlorocyclopentadiene	mg/kg	<0.1
2061357	QC - Blank	CHC	Pentachlorobenzene	mg/kg	<0.1
Lab Sample ID	Client Sample ID	Analysis	Analyte		
2060024	QC - Blank	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	2,4-Dichlorophenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	Pentachlorophenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	2,3,4,5-Tetrachlorophenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	2,3,4,6-Tetrachlorophenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	2,3,5,6-Tetrachlorophenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	2,4,5-Trichlorophenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	2,4,6-Trichlorophenol	mg/kg	<0.5
2060024	QC - Blank	Phenols(Halo)	Total Phenols (Halogenated)	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	2,4-Dichlorophenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	Pentachlorophenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	2,3,4,5-Tetrachlorophenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	2,3,4,6-Tetrachlorophenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	2,3,5,6-Tetrachlorophenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	2,4,5-Trichlorophenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	2,4,6-Trichlorophenol	mg/kg	<0.5
2060039	QC - Blank	Phenols(Halo)	Total Phenols (Halogenated)	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	2,4-Dichlorophenol	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	Pentachlorophenol	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	2,3,4,5-Tetrachlorophenol	mg/kg	<0.5

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					Value
2061328	QC - Blank	Phenols(Halo)	2,3,4,6-Tetrachlorophenol	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	2,3,5,6-Tetrachlorophenol	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	2,4,5-Trichlorophenol	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	2,4,6-Trichlorophenol	mg/kg	<0.5
2061328	QC - Blank	Phenols(Halo)	Total Phenols (Halogenated)	mg/kg	<0.5
Lab Sample ID	Client Sample ID	Analysis	Analyte		
2060012	QC - Blank	Phenols(NonHalo)	Phenol	mg/kg	<0.5
2060012	QC - Blank	Phenols(NonHalo)	Total Cresols	mg/kg	<1
2060012	QC - Blank	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5
2060012	QC - Blank	Phenols(NonHalo)	2,4-Dinitrophenol	mg/kg	<30
2060012	QC - Blank	Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	mg/kg	<10
2060012	QC - Blank	Phenols(NonHalo)	2-Nitrophenol	mg/kg	<0.5
2060012	QC - Blank	Phenols(NonHalo)	4-Nitrophenol	mg/kg	<0.5
2060012	QC - Blank	Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	mg/kg	<30
2060012	QC - Blank	Phenols(NonHalo)	Dinoseb	mg/kg	<10
2060012	QC - Blank	Phenols(NonHalo)	Total Phenols (non Halogenated)	mg/kg	<30
2060036	QC - Blank	Phenols(NonHalo)	Phenol	mg/kg	<0.5
2060036	QC - Blank	Phenols(NonHalo)	Total Cresols	mg/kg	<1
2060036	QC - Blank	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5
2060036	QC - Blank	Phenols(NonHalo)	2,4-Dinitrophenol	mg/kg	<30
2060036	QC - Blank	Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	mg/kg	<10
2060036	QC - Blank	Phenols(NonHalo)	2-Nitrophenol	mg/kg	<0.5
2060036	QC - Blank	Phenols(NonHalo)	4-Nitrophenol	mg/kg	<0.5
2060036	QC - Blank	Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	mg/kg	<30
2060036	QC - Blank	Phenols(NonHalo)	Dinoseb	mg/kg	<10
2060036	QC - Blank	Phenols(NonHalo)	Total Phenols (non Halogenated)	mg/kg	<30
2061326	QC - Blank	Phenols(NonHalo)	Phenol	mg/kg	<0.5
2061326	QC - Blank	Phenols(NonHalo)	Total Cresols	mg/kg	<1
2061326	QC - Blank	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5
2061326	QC - Blank	Phenols(NonHalo)	2,4-Dinitrophenol	mg/kg	<30
2061326	QC - Blank	Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	mg/kg	<10
2061326	QC - Blank	Phenols(NonHalo)	2-Nitrophenol	mg/kg	<0.5
2061326	QC - Blank	Phenols(NonHalo)	4-Nitrophenol	mg/kg	<0.5
2061326	QC - Blank	Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	mg/kg	<30
2061326	QC - Blank	Phenols(NonHalo)	Dinoseb	mg/kg	<10
2061326	QC - Blank	Phenols(NonHalo)	Total Phenols (non Halogenated)	mg/kg	<30
Lab Sample ID	Client Sample ID	Analysis	Analyte		

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

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					Value
2059804	QC - Blank	HVOL	1,1,1,2-Tetrachloroethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,1,2,2-Tetrachloroethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,1- Dichloroethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,1-Dichloroethene	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,1-Dichloropropene	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,2,3-Trichloropropane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,2-Dibromo-3-Chloropropane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,2-Dichloroethene [cis]	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,2-Dichloroethene [trans]	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,2-Dichloroethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,2-Dichloropropane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,3-Dichloropropane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,3-Dichloropropene [cis]	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,3-Dichloropropene [trans]	mg/kg	<0.5
2059804	QC - Blank	HVOL	2,2-Dichloropropane	mg/kg	<0.5
2059804	QC - Blank	HVOL	2-Chlorotoluene	mg/kg	<0.5
2059804	QC - Blank	HVOL	4-Chlorotoluene	mg/kg	<0.5
2059804	QC - Blank	HVOL	Bromochloromethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	Bromodichloromethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	Bromobenzene	mg/kg	<0.5
2059804	QC - Blank	HVOL	Bromoform (Tribromomethane)	mg/kg	<0.5
2059804	QC - Blank	HVOL	Carbon Tetrachloride	mg/kg	<0.5
2059804	QC - Blank	HVOL	Chloroform (Trichloromethane)	mg/kg	<0.5
2059804	QC - Blank	HVOL	Chlorobenzene	mg/kg	<0.5
2059804	QC - Blank	HVOL	Dibromochloromethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	Dibromomethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,2-Dibromoethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	Dichloromethane	mg/kg	<1
2059804	QC - Blank	HVOL	Trichlorofluoromethane (CFC11)	mg/kg	<2
2059804	QC - Blank	HVOL	Tetrachloroethene	mg/kg	<0.5
2059804	QC - Blank	HVOL	Vinyl Chloride (Monomer)	mg/kg	<1
2059804	QC - Blank	HVOL	1,1,1-Trichloroethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	1,1,2-Trichloroethane	mg/kg	<0.5
2059804	QC - Blank	HVOL	Trichloroethene	mg/kg	<0.5

QUALITY CONTROL - DUPLICATES

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

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QC Data for duplicates is calculated on raw 'unrounded' values. Laboratory duplicates are randomly selected samples tested by the laboratory to maintain method precision and provide information on sample homogeneity.

RPD = Relative Percentage Difference for duplicate determinations. RPD's that fall outside the general acceptance criteria will be attributed to non-homogeneity of samples or results of low magnitudes.

					Sample Value	Duplicate Value	% RPD
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2057439	NCP	Cyanide	Cyanide, as CN	mg/kg	<5	<5	0
2058988	NCP	Total Cr 6+	Hexavalent Chromium (Total) Soil	mg/kg	<1	<1	0
2059846	B25-1	Tot Fluoride	Total Fluoride, as F	mg/kg	170	170	0.6
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059963	B12-1	MS Total Metals	Arsenic	mg/kg	<5	<5	0
2059963	B12-1	MS Total Metals	Cadmium	mg/kg	<0.2	<0.2	0
2059963	B12-1	MS Total Metals	Chromium	mg/kg	24	24	2.8
2059963	B12-1	MS Total Metals	Copper	mg/kg	7	8	12.4
2059963	B12-1	MS Total Metals	Lead	mg/kg	17	14	22.2
2059963	B12-1	MS Total Metals	Mercury	mg/kg	<0.05	<0.05	0
2059963	B12-1	MS Total Metals	Molybdenum	mg/kg	<5	<5	0
2059963	B12-1	MS Total Metals	Nickel	mg/kg	8	9	11.0
2059963	B12-1	MS Total Metals	Selenium	mg/kg	<5	<5	0
2059963	B12-1	MS Total Metals	Tin	mg/kg	<5	<5	0
2059963	B12-1	MS Total Metals	Zinc	mg/kg	13	11	12.3
2059965	B22-2	MS Total Metals	Arsenic	mg/kg	<5	<5	0
2059965	B22-2	MS Total Metals	Cadmium	mg/kg	<0.2	<0.2	0
2059965	B22-2	MS Total Metals	Chromium	mg/kg	32	33	3.0
2059965	B22-2	MS Total Metals	Copper	mg/kg	10	10	5.1
2059965	B22-2	MS Total Metals	Lead	mg/kg	11	12	14.7
2059965	B22-2	MS Total Metals	Mercury	mg/kg	<0.05	<0.05	0
2059965	B22-2	MS Total Metals	Molybdenum	mg/kg	<5	<5	0
2059965	B22-2	MS Total Metals	Nickel	mg/kg	23	24	6.5
2059965	B22-2	MS Total Metals	Silver	mg/kg	<5	<5	0
2059965	B22-2	MS Total Metals	Tin	mg/kg	<5	<5	0
2059965	B22-2	MS Total Metals	Zinc	mg/kg	14	17	19.8
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059807	NCP	MAH	Benzene	mg/kg	<0.5	<0.5	0
2059807	NCP	MAH	Toluene	mg/kg	<0.5	<0.5	0
2059807	NCP	MAH	Ethyl Benzene	mg/kg	<0.5	<0.5	0
2059807	NCP	MAH	Xylenes	mg/kg	<0.5	<0.5	0
2059807	NCP	MAH	Styrene	mg/kg	<0.5	<0.5	0
2059807	NCP	MAH	Cumene	mg/kg	<0.5	<0.5	0

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					Sample Value	Duplicate Value	% RPD
2059807	NCP	MAH	1,2,4-Trimethylbenzene	mg/kg	<0.5	<0.5	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2060007	B3-1	TPH	Petroleum Hydrocarbons (C6-C9)	mg/kg	<20	<20	0
2060007	B3-1	TPH	Petroleum Hydrocarbons (C10-C14)	mg/kg	<20	<20	0
2060007	B3-1	TPH	Petroleum Hydrocarbons (C15-C28)	mg/kg	<50	<50	0
2060007	B3-1	TPH	Petroleum Hydrocarbons (C29-C36)	mg/kg	53	70	28.1
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059700	NCP	PAH	Acenaphthene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Acenaphthylene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Anthracene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Benz(a)anthracene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Benzo(a)pyrene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Benzo(b)fluoranthene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Benzo(k)fluoranthene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Chrysene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Dibenz(a,h)anthracene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Fluoranthene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Fluorene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Indeno(1,2,3-cd)pyrene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Naphthalene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Phenanthrene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Pyrene	mg/kg	<0.1	<0.1	0
2059700	NCP	PAH	Total PAH	mg/kg	<0.1	<0.1	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2060053	B3-1	OCP	BHC (alpha isomer)	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	a-Endosulphan	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	Aldrin	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	BHC (beta isomer)	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	b-Endosulphan	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	cis-Chlordane	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	trans-Chlordane	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	BHC (delta isomer)	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	DDD	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	DDE	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	DDT	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	Dieldrin	mg/kg	<0.05	<0.05	0

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					Sample Value	Duplicate Value	% RPD
2060053	B3-1	OCP	Endosulfan Sulfate	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	Endrin	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	Endrin Aldehyde	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	Endrin Ketone	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	Hexachlorobenzene	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	Heptachlor Epoxide	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	Heptachlor	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	BHC (gamma isomer) [Lindane]	mg/kg	<0.05	<0.05	0
2060053	B3-1	OCP	Methoxychlor	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	BHC (alpha isomer)	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	a-Endosulphan	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Aldrin	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	BHC (beta isomer)	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	b-Endosulphan	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	cis-Chlordane	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	trans-Chlordane	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	BHC (delta isomer)	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	DDD	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	DDE	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	DDT	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Dieldrin	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Endosulfan Sulfate	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Endrin	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Endrin Aldehyde	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Endrin Ketone	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Hexachlorobenzene	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Heptachlor Epoxide	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Heptachlor	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	BHC (gamma isomer) [Lindane]	mg/kg	<0.05	<0.05	0
2061308	B24-2	OCP	Methoxychlor	mg/kg	<0.05	<0.05	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059703	NCP	PCB	Aroclor 1016	mg/kg	<0.1	<0.1	0
2059703	NCP	PCB	Aroclor 1221	mg/kg	<0.1	<0.1	0
2059703	NCP	PCB	Aroclor 1232	mg/kg	<0.1	<0.1	0
2059703	NCP	PCB	Aroclor 1242	mg/kg	<0.1	<0.1	0
2059703	NCP	PCB	Aroclor 1248	mg/kg	<0.1	<0.1	0
2059703	NCP	PCB	Aroclor 1254	mg/kg	<0.1	<0.1	0

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					Sample Value	Duplicate Value	% RPD
2059703	NCP	PCB	Aroclor 1260	mg/kg	<0.1	<0.1	0
2059703	NCP	PCB	Total PCB	mg/kg	<0.1	<0.1	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059708	NCP	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	1,2,3,5-Tetrachlorbenzene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	1,2-Dichlorobenzene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	1,3-Dichlorobenzene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	1,4-Dichlorobenzene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	2-Chloronaphthalene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	Benzal Chloride	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	Benzotrichloride	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	Benzylchloride	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	Hexachloroethane	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	Hexachlorobutadiene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	Hexachlorocyclopentadiene	mg/kg	<0.1	<0.1	0
2059708	NCP	CHC	Pentachlorobenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	1,2,3,5-Tetrachlorbenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	1,2-Dichlorobenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	1,3-Dichlorobenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	1,4-Dichlorobenzene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	2-Chloronaphthalene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	Benzal Chloride	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	Benzotrichloride	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	Benzylchloride	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	Hexachloroethane	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	Hexachlorobutadiene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	Hexachlorocyclopentadiene	mg/kg	<0.1	<0.1	0
2060021	B3-1	CHC	Pentachlorobenzene	mg/kg	<0.1	<0.1	0

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					Sample Value	Duplicate Value	% RPD
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2060013	NCP	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	2,4-Dichlorophenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	Pentachlorophenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	2,3,4,5-Tetrachlorophenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	2,3,4,6-Tetrachlorophenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	2,3,5,6-Tetrachlorophenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	2,4,5-Trichlorophenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	2,4,6-Trichlorophenol	mg/kg	<0.5	<0.5	0
2060013	NCP	Phenols(Halo)	Total Phenols (Halogenated)	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	2,4-Dichlorophenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	Pentachlorophenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	2,3,4,5-Tetrachlorophenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	2,3,4,6-Tetrachlorophenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	2,3,5,6-Tetrachlorophenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	2,4,5-Trichlorophenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	2,4,6-Trichlorophenol	mg/kg	<0.5	<0.5	0
2060037	B3-1	Phenols(Halo)	Total Phenols (Halogenated)	mg/kg	<0.5	<0.5	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2060009	NCP	Phenols(NonHalo)	Phenol	mg/kg	<0.5	<0.5	0
2060009	NCP	Phenols(NonHalo)	Total Cresols	mg/kg	<1	<1	0
2060009	NCP	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5	<0.5	0
2060009	NCP	Phenols(NonHalo)	2,4-Dinitrophenol	mg/kg	<30	<30	0
2060009	NCP	Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	mg/kg	<10	<10	0
2060009	NCP	Phenols(NonHalo)	2-Nitrophenol	mg/kg	<0.5	<0.5	0
2060009	NCP	Phenols(NonHalo)	4-Nitrophenol	mg/kg	<0.5	<0.5	0
2060009	NCP	Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	mg/kg	<30	<30	0
2060009	NCP	Phenols(NonHalo)	Dinoseb	mg/kg	<10	<10	0
2060009	NCP	Phenols(NonHalo)	Total Phenols (non Halogenated)	mg/kg	<30	<30	0
2060034	B3-1	Phenols(NonHalo)	Phenol	mg/kg	<0.5	<0.5	0
2060034	B3-1	Phenols(NonHalo)	Total Cresols	mg/kg	<1	<1	0
2060034	B3-1	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5	<0.5	0

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					Sample Value	Duplicate Value	% RPD
2060034	B3-1	Phenols(NonHalo)	2,4-Dinitrophenol	mg/kg	<30	<30	0
2060034	B3-1	Phenols(NonHalo)	2-Methyl-4,6-Dinitrophenol	mg/kg	<10	<10	0
2060034	B3-1	Phenols(NonHalo)	2-Nitrophenol	mg/kg	<0.5	<0.5	0
2060034	B3-1	Phenols(NonHalo)	4-Nitrophenol	mg/kg	<0.5	<0.5	0
2060034	B3-1	Phenols(NonHalo)	2-Cyclohexyl-4,6-Dinitrophenol	mg/kg	<30	<30	0
2060034	B3-1	Phenols(NonHalo)	Dinoseb	mg/kg	<10	<10	0
2060034	B3-1	Phenols(NonHalo)	Total Phenols (non Halogenated)	mg/kg	<30	<30	0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059803	B19-1	HVOL	1,1,1,2-Tetrachloroethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,1,2,2-Tetrachloroethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,1- Dichloroethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,1-Dichloroethene	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,1-Dichloropropene	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,2,3-Trichloropropane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,2-Dibromo-3-Chloropropane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,2-Dichloroethene [cis]	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,2-Dichloroethene [trans]	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,2-Dichloroethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,2-Dichloropropane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,3-Dichloropropane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,3-Dichloropropene [cis]	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,3-Dichloropropene [trans]	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	2,2-Dichloropropane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	2-Chlorotoluene	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	4-Chlorotoluene	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Bromochloromethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Bromodichloromethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Bromobenzene	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Bromoform (Tribromomethane)	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Carbon Tetrachloride	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Chloroform (Trichloromethane)	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Chlorobenzene	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Dibromochloromethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Dibromomethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,2-Dibromoethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Dichloromethane	mg/kg	<1	<1	0
2059803	B19-1	HVOL	Trichlorofluoromethane (CFC11)	mg/kg	<2	<2	0

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					Sample Value	Duplicate Value	% RPD
2059803	B19-1	HVOL	Tetrachloroethene	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Vinyl Chloride (Monomer)	mg/kg	<1	<1	0
2059803	B19-1	HVOL	1,1,1-Trichloroethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	1,1,2-Trichloroethane	mg/kg	<0.5	<0.5	0
2059803	B19-1	HVOL	Trichloroethene	mg/kg	<0.5	<0.5	0

QUALITY CONTROL - SPIKES

QC Data for spikes is calculated on raw 'unrounded' values. Laboratory spikes are randomly selected samples in which the analytes in question have been artificially introduced and recovered via standard analysis and are used to provide information on potential matrix effects on analyte recoveries.

Spike recoveries that fall outside the general acceptance criteria will be attributed to sample matrix interference or results of high magnitudes.

NCP: Non-Customer Parent (sample quality is representative of the analytical batch but the sample that was QC tested belongs to a customer not pertaining to the report.)

					Sample Value	Expected Value	% Recovery
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2057459	NCP	Cyanide	Cyanide, as CN	mg/kg	<5	20	95.3
2058994	B25-1	Total Cr 6+	Hexavalent Chromium (Total) Soil	mg/kg	<1	550	92.9
2059842	NCP	Tot Fluoride	Total Fluoride, as F	mg/kg	<100	270	101
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059958	NCP	MS Total Metals	Arsenic	mg/kg	<5	100	87.6
2059958	NCP	MS Total Metals	Cadmium	mg/kg	<0.2	100	90.1
2059958	NCP	MS Total Metals	Chromium	mg/kg	<5	100	94.8
2059958	NCP	MS Total Metals	Copper	mg/kg	<5	100	92.3
2059958	NCP	MS Total Metals	Lead	mg/kg	<5	100	96.6
2059958	NCP	MS Total Metals	Mercury	mg/kg	<0.05	1.0	86.9
2059958	NCP	MS Total Metals	Molybdenum	mg/kg	<5	100	91.2
2059958	NCP	MS Total Metals	Nickel	mg/kg	<5	100	92.5
2059958	NCP	MS Total Metals	Selenium	mg/kg	<5	100	83.7
2059958	NCP	MS Total Metals	Tin	mg/kg	<5	100	93.4
2059958	NCP	MS Total Metals	Zinc	mg/kg	6	110	84.0
2059968	NCP	MS Total Metals	Cadmium	mg/kg	<0.2	100	106
2059968	NCP	MS Total Metals	Chromium	mg/kg	<5	100	105
2059968	NCP	MS Total Metals	Copper	mg/kg	7	100	101
2059968	NCP	MS Total Metals	Lead	mg/kg	13	110	111
2059968	NCP	MS Total Metals	Mercury	mg/kg	<0.05	1.0	94.8
2059968	NCP	MS Total Metals	Molybdenum	mg/kg	<5	100	81.9
2059968	NCP	MS Total Metals	Nickel	mg/kg	<5	100	100
2059968	NCP	MS Total Metals	Tin	mg/kg	<5	100	111

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					Sample Value	Expected Value	% Recovery
2059968	NCP	MS Total Metals	Zinc	mg/kg	36	120	97.4
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059808	NCP	MAH	Benzene	mg/kg	<0.5	4.2	105
2059808	NCP	MAH	Toluene	mg/kg	<0.5	4.2	108
2059808	NCP	MAH	Ethyl Benzene	mg/kg	<0.5	4.2	105
2059808	NCP	MAH	Xylenes	mg/kg	<0.5	12	105
2059808	NCP	MAH	Styrene	mg/kg	<0.5	4.2	104
2059808	NCP	MAH	Cumene	mg/kg	<0.5	4.2	105
2059808	NCP	MAH	1,2,4-Trimethylbenzene	mg/kg	<0.5	4.2	104
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2060008	B3-1	TPH	Petroleum Hydrocarbons (C15-C28)	mg/kg	<50	400	105
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059697	NCP	PAH	Acenaphthene	mg/kg	<0.1	1.3	108
2059697	NCP	PAH	Acenaphthylene	mg/kg	<0.1	1.3	98.0
2059697	NCP	PAH	Anthracene	mg/kg	<0.1	1.3	98.0
2059697	NCP	PAH	Benz(a)anthracene	mg/kg	<0.1	1.3	92.0
2059697	NCP	PAH	Benzo(a)pyrene	mg/kg	<0.1	1.3	70.0
2059697	NCP	PAH	Benzo(b)fluoranthene	mg/kg	<0.1	1.3	72.0
2059697	NCP	PAH	Benzo(k)fluoranthene	mg/kg	<0.1	1.3	84.0
2059697	NCP	PAH	Chrysene	mg/kg	<0.1	1.3	80.0
2059697	NCP	PAH	Dibenz(a,h)anthracene	mg/kg	<0.1	1.3	74.0
2059697	NCP	PAH	Fluoranthene	mg/kg	<0.1	1.3	94.0
2059697	NCP	PAH	Fluorene	mg/kg	<0.1	1.3	108
2059697	NCP	PAH	Indeno(1,2,3-cd)pyrene	mg/kg	<0.1	1.3	74.0
2059697	NCP	PAH	Naphthalene	mg/kg	<0.1	1.3	100
2059697	NCP	PAH	Phenanthrene	mg/kg	<0.1	1.3	100
2059697	NCP	PAH	Pyrene	mg/kg	<0.1	1.3	96.0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2060052	B10-2	OCP	BHC (alpha isomer)	mg/kg	<0.05	1.6	104
2060052	B10-2	OCP	a-Endosulphan	mg/kg	<0.05	1.6	86.0
2060052	B10-2	OCP	Aldrin	mg/kg	<0.05	1.6	100
2060052	B10-2	OCP	BHC (beta isomer)	mg/kg	<0.05	1.6	92.0
2060052	B10-2	OCP	b-Endosulphan	mg/kg	<0.05	1.6	92.0
2060052	B10-2	OCP	cis-Chlordane	mg/kg	<0.05	1.6	98.0
2060052	B10-2	OCP	trans-Chlordane	mg/kg	<0.05	1.6	96.0
2060052	B10-2	OCP	BHC (delta isomer)	mg/kg	<0.05	1.6	100
2060052	B10-2	OCP	DDD	mg/kg	<0.05	1.6	86.0

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					Sample Value	Expected Value	% Recovery
2060052	B10-2	OCP	DDE	mg/kg	<0.05	1.6	88.0
2060052	B10-2	OCP	DDT	mg/kg	<0.05	1.6	86.0
2060052	B10-2	OCP	Dieldrin	mg/kg	<0.05	1.6	92.0
2060052	B10-2	OCP	Endosulfan Sulfate	mg/kg	<0.05	1.6	82.0
2060052	B10-2	OCP	Endrin	mg/kg	<0.05	1.6	72.0
2060052	B10-2	OCP	Endrin Aldehyde	mg/kg	<0.05	1.6	94.0
2060052	B10-2	OCP	Endrin Ketone	mg/kg	<0.05	1.6	94.0
2060052	B10-2	OCP	Hexachlorobenzene	mg/kg	<0.05	1.6	108
2060052	B10-2	OCP	Heptachlor Epoxide	mg/kg	<0.05	1.6	94.0
2060052	B10-2	OCP	Heptachlor	mg/kg	<0.05	1.6	96.0
2060052	B10-2	OCP	BHC (gamma isomer) [Lindane]	mg/kg	<0.05	1.6	116
2061309	B24-2	OCP	BHC (alpha isomer)	mg/kg	<0.05	1.6	96.0
2061309	B24-2	OCP	a-Endosulphan	mg/kg	<0.05	1.6	82.0
2061309	B24-2	OCP	Aldrin	mg/kg	<0.05	1.6	94.0
2061309	B24-2	OCP	BHC (beta isomer)	mg/kg	<0.05	1.6	78.0
2061309	B24-2	OCP	b-Endosulphan	mg/kg	<0.05	1.6	84.0
2061309	B24-2	OCP	cis-Chlordane	mg/kg	<0.05	1.6	96.0
2061309	B24-2	OCP	trans-Chlordane	mg/kg	<0.05	1.6	94.0
2061309	B24-2	OCP	BHC (delta isomer)	mg/kg	<0.05	1.6	94.0
2061309	B24-2	OCP	DDD	mg/kg	<0.05	1.6	80.0
2061309	B24-2	OCP	DDE	mg/kg	<0.05	1.6	82.0
2061309	B24-2	OCP	DDT	mg/kg	<0.05	1.6	70.0
2061309	B24-2	OCP	Dieldrin	mg/kg	<0.05	1.6	88.0
2061309	B24-2	OCP	Endosulfan Sulfate	mg/kg	<0.05	1.6	74.0
2061309	B24-2	OCP	Endrin Aldehyde	mg/kg	<0.05	1.6	82.0
2061309	B24-2	OCP	Endrin Ketone	mg/kg	<0.05	1.6	86.0
2061309	B24-2	OCP	Hexachlorobenzene	mg/kg	<0.05	1.6	102
2061309	B24-2	OCP	Heptachlor Epoxide	mg/kg	<0.05	1.6	94.0
2061309	B24-2	OCP	Heptachlor	mg/kg	<0.05	1.6	90.0
2061309	B24-2	OCP	BHC (gamma isomer) [Lindane]	mg/kg	<0.05	1.6	112
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059705	NCP	PCB	Aroclor 1016	mg/kg	<0.1	2.3	105
2059705	NCP	PCB	Aroclor 1260	mg/kg	<0.1	2.2	92.2
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059709	NCP	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1	1.3	108
2059709	NCP	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1	1.3	94.0
2059709	NCP	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1	2.6	113

Client: Douglas Partners Pty Ltd

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					Sample Value	Expected Value	% Recovery
2059709	NCP	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1	1.3	94.0
2059709	NCP	CHC	1,2-Dichlorobenzene	mg/kg	<0.1	1.3	92.0
2059709	NCP	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1	1.3	104
2059709	NCP	CHC	1,3-Dichlorobenzene	mg/kg	<0.1	1.3	96.0
2059709	NCP	CHC	1,4-Dichlorobenzene	mg/kg	<0.1	1.3	106
2059709	NCP	CHC	2-Chloronaphthalene	mg/kg	<0.1	1.3	104
2059709	NCP	CHC	Benzal Chloride	mg/kg	<0.1	1.3	98.0
2059709	NCP	CHC	Benzotrichloride	mg/kg	<0.1	1.3	88.0
2059709	NCP	CHC	Benzylchloride	mg/kg	<0.1	1.3	124
2059709	NCP	CHC	Hexachloroethane	mg/kg	<0.1	1.3	96.0
2059709	NCP	CHC	Hexachlorobutadiene	mg/kg	<0.1	1.3	102
2059709	NCP	CHC	Pentachlorobenzene	mg/kg	<0.1	1.3	102
2060022	B3-1	CHC	1,2,3,4-Tetrachlorobenzene	mg/kg	<0.1	1.4	114
2060022	B3-1	CHC	1,2,3-Trichlorobenzene	mg/kg	<0.1	1.4	98.0
2060022	B3-1	CHC	1,2,4,5-Tetrachlorobenzene	mg/kg	<0.1	2.8	96.0
2060022	B3-1	CHC	1,2,4-Trichlorobenzene	mg/kg	<0.1	1.4	108
2060022	B3-1	CHC	1,2-Dichlorobenzene	mg/kg	<0.1	1.4	104
2060022	B3-1	CHC	1,3,5-Trichlorobenzene	mg/kg	<0.1	1.4	108
2060022	B3-1	CHC	1,3-Dichlorobenzene	mg/kg	<0.1	1.4	104
2060022	B3-1	CHC	1,4-Dichlorobenzene	mg/kg	<0.1	1.4	114
2060022	B3-1	CHC	2-Chloronaphthalene	mg/kg	<0.1	1.4	90.0
2060022	B3-1	CHC	Benzal Chloride	mg/kg	<0.1	1.4	96.0
2060022	B3-1	CHC	Benzotrichloride	mg/kg	<0.1	1.4	96.0
2060022	B3-1	CHC	Benzylchloride	mg/kg	<0.1	1.4	96.0
2060022	B3-1	CHC	Hexachloroethane	mg/kg	<0.1	1.4	104
2060022	B3-1	CHC	Hexachlorobutadiene	mg/kg	<0.1	1.4	100
2060022	B3-1	CHC	Hexachlorocyclopentadiene	mg/kg	<0.1	1.4	72.0
2060022	B3-1	CHC	Pentachlorobenzene	mg/kg	<0.1	1.4	106
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2060014	NCP	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5	1.3	72.0
2060014	NCP	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5	1.3	88.0
2060014	NCP	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5	1.3	78.0
2060014	NCP	Phenols(Halo)	2,3,4,6-Tetrachlorophenol	mg/kg	<0.5	2.6	85.0
2060014	NCP	Phenols(Halo)	2,4,5-Trichlorophenol	mg/kg	<0.5	1.3	78.0
2060038	B3-1	Phenols(Halo)	4-Chloro-3-Methylphenol	mg/kg	<0.5	1.4	74.0
2060038	B3-1	Phenols(Halo)	2-Chlorophenol	mg/kg	<0.5	1.4	88.0
2060038	B3-1	Phenols(Halo)	2,4-Dichlorophenol	mg/kg	<0.5	1.4	84.0

Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample Value	Expected Value	% Recovery
2060038	B3-1	Phenols(Halo)	2,6-Dichlorophenol	mg/kg	<0.5	1.4	88.0
2060038	B3-1	Phenols(Halo)	2,3,4,6-Tetrachlorophenol	mg/kg	<0.5	2.8	90.0
2060038	B3-1	Phenols(Halo)	2,3,5,6-Tetrachlorophenol	mg/kg	<0.5	1.4	76.0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2060010	NCP	Phenols(NonHalo)	Phenol	mg/kg	<0.5	1.3	72.0
2060010	NCP	Phenols(NonHalo)	Total Cresols	mg/kg	<1	3.9	83.3
2060010	NCP	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5	1.3	86.0
2060035	B3-1	Phenols(NonHalo)	Phenol	mg/kg	<0.5	1.4	88.0
2060035	B3-1	Phenols(NonHalo)	Total Cresols	mg/kg	<1	4.1	83.3
2060035	B3-1	Phenols(NonHalo)	2,4-Dimethylphenol	mg/kg	<0.5	1.4	80.0
2060035	B3-1	Phenols(NonHalo)	2-Nitrophenol	mg/kg	<0.5	1.4	78.0
Lab Sample ID	Client Sample ID	Analysis	Analyte				
2059800	NCP	HVOL	1,1,2,2-Tetrachloroethane	mg/kg	<0.5	4.1	98.9
2059800	NCP	HVOL	1,1-Dichloroethane	mg/kg	<0.5	4.1	96.5
2059800	NCP	HVOL	1,1-Dichloroethene	mg/kg	<0.5	4.1	98.2
2059800	NCP	HVOL	1,1-Dichloropropene	mg/kg	<0.5	4.1	105
2059800	NCP	HVOL	1,2,3-Trichloropropane	mg/kg	<0.5	4.1	99.7
2059800	NCP	HVOL	1,2-Dichloroethene [cis]	mg/kg	<0.5	4.1	97.2
2059800	NCP	HVOL	1,2-Dichloroethene [trans]	mg/kg	<0.5	4.1	112
2059800	NCP	HVOL	1,2-Dichloroethane	mg/kg	<0.5	4.1	110
2059800	NCP	HVOL	1,2-Dichloropropane	mg/kg	<0.5	4.1	104
2059800	NCP	HVOL	1,3-Dichloropropane	mg/kg	<0.5	4.1	104
2059800	NCP	HVOL	1,3-Dichloropropene [trans]	mg/kg	<0.5	4.1	80.4
2059800	NCP	HVOL	2-Chlorotoluene	mg/kg	<0.5	4.1	103
2059800	NCP	HVOL	4-Chlorotoluene	mg/kg	<0.5	4.1	103
2059800	NCP	HVOL	Bromochloromethane	mg/kg	<0.5	4.1	98.6
2059800	NCP	HVOL	Bromodichloromethane	mg/kg	<0.5	4.1	76.7
2059800	NCP	HVOL	Bromobenzene	mg/kg	<0.5	4.1	99.1
2059800	NCP	HVOL	Carbon Tetrachloride	mg/kg	<0.5	4.1	73.9
2059800	NCP	HVOL	Chloroform (Trichloromethane)	mg/kg	<0.5	4.1	99.7
2059800	NCP	HVOL	Chlorobenzene	mg/kg	<0.5	4.1	104
2059800	NCP	HVOL	Dibromochloromethane	mg/kg	<0.5	4.1	72.2
2059800	NCP	HVOL	Dibromomethane	mg/kg	<0.5	4.1	98.2
2059800	NCP	HVOL	1,2-Dibromoethane	mg/kg	<0.5	4.1	93.1
2059800	NCP	HVOL	Dichloromethane	mg/kg	<1	4.1	117
2059800	NCP	HVOL	Trichlorofluoromethane (CFC11)	mg/kg	<2	4.1	107
2059800	NCP	HVOL	Tetrachloroethene	mg/kg	<0.5	4.1	101

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise

Client: Douglas Partners Pty Ltd

Report Number: 139871

Client Program Ref: 42662

Ecowise Program Ref: DOUGLAS



					Sample Value	Expected Value	% Recovery
2059800	NCP	HVOL	Vinyl Chloride (Monomer)	mg/kg	<1	4.1	98.2
2059800	NCP	HVOL	1,1,1-Trichloroethane	mg/kg	<0.5	4.1	76.7
2059800	NCP	HVOL	1,1,2-Trichloroethane	mg/kg	<0.5	4.1	87.1
2059800	NCP	HVOL	Trichloroethene	mg/kg	<0.5	4.1	102

CERTIFICATE OF ANALYSIS

Douglas Partners Pty. Ltd.
68 Brighton St
Richmond
Victoria 3121
Site: DELAHEY 42662

Report Number: 257971-V1 Page 1 of 7
Order Number: 84627
Date Received: Jan 15, 2010
Date Sampled: Jan 15, 2010
Date Reported: Jan 21, 2010
Contact: Tamie Dick

Methods

- USEPA 8081A Organochlorine Pesticides
- USEPA 6020 Heavy Metals & USEPA 7470/71 Mercury
- Method 102 - ANZECC - % Moisture

Comments

Notes

Report Number: 257971-V1

GLOSSARY OF TERMS

UNITS

mg/kg	milligrams per Kilogram	mg/l	milligrams per litre
ug/l	micrograms per litre	ppm	Parts per million
ppb	Parts per billion	%	Percentage
org/100ml	Organisms per 100 millilitres	NTU	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 Environment Protection Authority
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

QC - ACCEPTANCE CRITERIA

RPD Duplicates	Results <10 times the LOR : No Limit Results between 10-20 times LOR : RPD must lie between 0-50% Results >20 times LOR : RPD must lie between 0-20%
LCS Recoveries	Recoveries must lie between 70-130% - Phenols 30-130%
CRM Recoveries	Recoveries must lie between 70-130% - Phenols 30-130%
Method Blanks	Not to exceed LOR
SPIKE Recoveries	Recoveries must lie between 70-130% - Phenols 30-130%
Surrogate Recoveries	Recoveries must lie between 50-150% - Phenols 20-130%

GENERAL COMMENTS

1. All results in this report supersede any previously corresponded results.
2. All soil results are reported on a dry basis.
3. Samples are analysed on an as received basis.

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, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene 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. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
7. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
8. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
9. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two two sets of data below the LOR with a positive RPD - eg: LOR 0.1, Result A = <0.1 (raw data is 0.02) & Result B = <0.1 (raw data is 0.03) resulting in a RPD of 40% calculated from the raw data.

REPORT SPECIFIC NOTES

Company Name: Douglas Partners Pty. Ltd.
Address: 68 Brighton St
Richmond
Victoria 3121

Order No.:
Report #: 257971
Phone: 9428 1831
Fax: 9428 7841

Received: Jan 15, 2010 12:00
Due: Jan 22, 2010 04:20
Priority: 5 Day
Contact name: Tamie Dick

Client Job No.: DELAHEY 42662

mgt Client Manager: Andrew Thexton

[illegible]

Douglas Partners Pty. Ltd. 68 Brighton St Richmond Victoria 3121	Client Sample ID		DUP2
	Lab Number		M10-JA02813
	Matrix		Soil
	Sample Date		Jan 15, 2010
Analysis Type	LOR	Units	
Organochlorine Pesticides			
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
Chlordane	0.1	mg/kg	< 0.1
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
Toxophene	0.1	mg/kg	< 0.1
Dibutylchlorendate (surr.)	1	%	137
Tetrachloro-m-xylene (surr.)	1	%	97
% Moisture	0.1	%	4.2
Heavy Metals			
Arsenic	2.0	mg/kg	3.0
Cadmium	0.5	mg/kg	< 0.5
Chromium	5	mg/kg	30
Copper	5	mg/kg	7.5

Douglas Partners Pty. Ltd. 68 Brighton St Richmond Victoria 3121	Client Sample ID		DUP2
	Lab Number		M10-JA02813
	Matrix		Soil
	Sample Date		Jan 15, 2010
Analysis Type	LOR	Units	
Lead	5	mg/kg	11
Mercury	0.1	mg/kg	< 0.1
Molybdenum	10	mg/kg	< 10
Nickel	5	mg/kg	8.2
Selenium	2	mg/kg	< 2
Silver	5	mg/kg	< 5
Tin	10	mg/kg	< 10
Zinc	5	mg/kg	17

Douglas Partners Pty. Ltd. 68 Brighton St Richmond Victoria 3121	Client Sample ID	DUP2	DUP2	RPD	SPIKE	LCS	Method blank
	Lab Number	10-JA02813	10-JA02813	10-JA02813	10-JA02813	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Jan 15, 2010	Jan 15, 2010	Jan 15, 2010	Jan 15, 2010	Jan 15, 2010	Jan 15, 2010
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Organochlorine Pesticides		Batch	Batch	Batch	Batch		
4.4'-DDD		< 0.05	< 0.05	< 1	103	97	< 0.05
4.4'-DDE		< 0.05	< 0.05	< 1	92	88	< 0.05
4.4'-DDT		< 0.05	< 0.05	< 1	119	94	< 0.05
a-BHC		< 0.05	< 0.05	< 1	96	92	< 0.05
Aldrin		< 0.05	< 0.05	< 1	99	98	< 0.05
b-BHC		< 0.05	< 0.05	< 1	70	76	< 0.05
Chlordane		< 0.1	< 0.1	< 1	-	-	< 0.1
d-BHC		< 0.05	< 0.05	< 1	102	96	< 0.05
Dieldrin		< 0.05	< 0.05	< 1	92	91	< 0.05
Endosulfan I		< 0.05	< 0.05	< 1	98	97	< 0.05
Endosulfan II		< 0.05	< 0.05	< 1	77	88	< 0.05
Endosulfan sulphate		< 0.05	< 0.05	< 1	90	87	< 0.05
Endrin		< 0.05	< 0.05	< 1	86	85	< 0.05
Endrin aldehyde		< 0.05	< 0.05	< 1	130	129	< 0.05
Endrin ketone		< 0.05	< 0.05	< 1	83	78	< 0.05
g-BHC (Lindane)		< 0.05	< 0.05	< 1	98	92	< 0.05
Heptachlor		< 0.05	< 0.05	< 1	88	83	< 0.05
Heptachlor epoxide		< 0.05	< 0.05	< 1	81	80	< 0.05
Hexachlorobenzene		< 0.05	< 0.05	< 1	94	88	< 0.05
Methoxychlor		< 0.05	< 0.05	< 1	81	71	< 0.05
Toxophene		< 0.1	< 0.1	< 1	-	-	< 0.1
Heavy Metals		Batch	Batch	Batch	Batch		
Arsenic		< 2	< 2	< 1	90	100	< 2
Cadmium		< 0.5	< 0.5	< 1	101	105	< 0.5
Chromium		8.8	7.2	19	104	113	< 5
Copper		6.1	< 5	100	102	105	< 5
Lead		< 5	< 5	< 1	89	100	< 5
Mercury		< 0.1	< 0.1	< 1	71	87	< 0.1

Douglas Partners Pty. Ltd.
68 Brighton St
Richmond
Victoria 3121

Douglas Partners Pty. Ltd. 68 Brighton St Richmond Victoria 3121	Client Sample	DUP2	DUP2	RPD	SPIKE	LCS	Method blank
	Lab Number	10-JA02813	10-JA02813	10-JA02813	10-JA02813	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Jan 15, 2010	Jan 15, 2010	Jan 15, 2010	Jan 15, 2010	Jan 15, 2010	Jan 15, 2010
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Heavy Metals		Batch	Batch	Batch	Batch		
Molybdenum		< 10	< 10	< 1	100	104	< 10
Nickel		< 5	< 5	< 1	96	106	< 5
Selenium		< 2	< 2	< 1	92	101	< 2
Silver		< 5	< 5	< 1	98	101	< 5
Tin		< 10	< 10	< 1	100	107	< 10
Zinc		5.1	< 5	100	91	101	< 5

COMMENTS:

19-03221

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 42662.01					To: ALS Scoresby				
Project Name: 240 taylors road PSI update					22 Dalmore Drive, Scoresby				
Project Manager: Dean Woods					Attn: Tuyen Nguyen				
Emails: dean.woods@douglaspartners.com.au mitchell.dixon@douglaspartners.com.au					Phone: 8756 8116				
Date Required: Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☒					Email: tuyen.nguyen@alsglobal.com				
Prior Storage: x Esky x Fridge ☐ Shelved					Do samples contain 'potential' HBM? Yes ☐ No ☒ (If YES, then handle, transport and store in accordance with FPM HAZID)				

Sample ID	Lab ID	Date Sampled	Sample Type	Container Type	Analytes								Notes/preservation	
			S - soil W - water	G - glass P - plastic	EPA Screen	OCPs (Same as screen)	Metals*							
B3-A-1		07/01/19	S	G	X									
B3-A-2		07/01/19	S	G										
B6-A-1		07/01/19	S	G		X	X							
B6-A-2		07/01/19	S	G		X	X							
B6-A-DUP		07/01/19	S	G			X							
B9-A-1		07/01/19	S	G		X	X							
B9-A-2		07/01/19	S	G										
B12-A-1		07/01/19	S	G		X	X							
B12-A-2		07/01/19	S	G										
B16-A-1		07/01/19	S	G		X	X							
B16-A-2		07/01/19	S	G										
B19-A-1		07/01/19	S	G	X									
B19-A-2		07/01/19	S	G		X	X							
B21-A-1		07/01/19	S	G		X	X							
B21-A-2		07/01/19	S	G										

PQL (S) mg/kg _____ **ANZECC PQLs req'd for all water analytes** ☐

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here: _____ As specified in notes

Total number of samples in container: 17 **Relinquished by:** MJID **Transported to laboratory by:** ALS Courier

Send Results to: Douglas Partners Pty Ltd **Address:** 231 Normanby Road, South Melbourne **Phone:** _____ **Fax:** _____

Signed: _____ **Received by:** _____ **Date & Time:** 9/1/19 1500

FPM - ENVID/Form COC 02

 $\frac{1}{3}$

Laboratory Sample Receipt Stamp

LAB REFERENCE: 10-03166.

[illegible]

 $\frac{2}{3}$

Laboratory Sample Receipt Stamp

LAB REFERENCE: _____

Sample ID	Sample Type	Lab ID	EPA Screen	Metal Screen	OCP							Notes
B12-1	Soil/ Jar	2056925		✓	✓							
B12-2	Soil/ Jar	26										
B13-1	Soil/ Jar	27		✓	✓							
B13-2	Soil/ Jar	28										
B14-1	Soil/ Jar	29		✓	✓							
B14-2	Soil/ Jar	30										
B15-1	Soil/ Jar	31		✓	✓							
B15-2	Soil/ Jar	32										
B16-1	Soil/ Jar	33		✓	✓							
B16-2	Soil/ Jar	34										
B17-1	Soil/ Jar	35		✓	✓							
B17-2	Soil/ Jar	36										
B18-1	Soil/ Jar	37		✓	✓							
B18-2	Soil/ Jar	38										
B19-1	Soil/ Jar	39	✓									
B19-2	Soil/ Jar	40										
B20-1	Soil/ Jar	41		✓	✓							
B20-2	Soil/ Jar	42										
B21-1	Soil/ Jar	43		✓	✓							
B21-2	Soil/ Jar	44										
B22-1	Soil/ Jar	45										
B22-2	Soil/ Jar	46		✓	✓							



3/3

Date:.....

Laboratory Sample Receipt Stamp

LAB REFERENCE: _____

[illegible]



Douglas Partners
Geotechnics • Environment • Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project Name: Delahey
Project Number 42662
DP Contact Person: Tamie Dick
Prior storage: Esky and Fridge

To MGT Environmental
3 Kingston Town Close
Oakleigh

Ph:
Attn: Andrew Thexton

No. of samples in container: 1

Sample Receipt:

Signed: *met P. J.*

Date: *15/1/10 2.30pm*

Rep: 257971

Laboratory Sample Receipt Stamp

Date relinquished: 15.01.10
Results required by: 22.01.10
Turnaround requirements: STANDARD

LAB REFERENCE: _____

Sample ID	Sample Type	Lab ID	Metal Screen	OCP	Notes
DUP2	Soil/ Jar		✓	✓	Metal Screen: As, Cd, Cr, Cu, Pb, Hg, Mo, Ni, Sn, Se, Ag, Zn.

Attachment B

Potentially Contaminated Land

General Practice Note

June 2005

This General Practice Note is designed to provide guidance for planners and applicants about:

- how to identify if land is potentially contaminated
- the appropriate level of assessment of contamination for a planning scheme amendment or planning permit application
- appropriate conditions on planning permits
- circumstances where the Environmental Audit Overlay should be applied or removed.

What is potentially contaminated land?

Potentially contaminated land is defined in *Ministerial Direction No. 1 – Potentially Contaminated Land*, as land used or known to have been used for industry, mining or the storage of chemicals, gas, wastes or liquid fuel (if not ancillary to another use of land). This practice note also deals with land that may have been contaminated by other means such as by ancillary activities, contamination from surrounding land, fill using contaminated soil or agricultural uses.

How is potentially contaminated land considered in the planning system?

The planning system is the primary means for regulating land use and approving development and is an important mechanism for triggering the consideration of potentially contaminated land.

The *Planning and Environment Act 1987* requires a **planning authority** when preparing a planning scheme or planning scheme amendment to *'take into account any significant effects which it considers the scheme or amendment might have on the environment or which it considers the environment might have on any use or development envisaged in the scheme or amendment'* (Section 12).

Ministerial Direction No. 1 – Potentially Contaminated Land (Direction No. 1) requires **planning authorities** when preparing planning scheme amendments, to satisfy themselves that the environmental conditions of land proposed to be used for a sensitive use (defined as residential, child-care centre, pre-school centre or primary school), agriculture or public open space are, or will be, suitable for that use.

If the land is potentially contaminated and a sensitive use is proposed, *Direction No. 1* provides that a planning authority must satisfy itself that the land is suitable through an environmental audit.

Clause 15.06 of the *State Planning Policy Framework* contains State Planning Policy for soil contamination. Clause 15.06-2 refers to *Direction No. 1* and also states that in considering applications for use of land used or known to have been used for industry, mining or the storage of chemicals, gas, wastes or liquid fuel, responsible authorities should require applicants to provide adequate information on the potential for contamination to have adverse effects on the future land use.

The Environmental Audit Overlay (EAO) is a mechanism provided in the *Victoria Planning Provisions* and planning schemes to ensure the requirement for an environmental audit under *Direction No. 1* is met before the commencement of the sensitive use or any buildings and works associated with that use. The application of the overlay, in appropriate circumstances, ensures the requirement will be met in the future but does not prevent the assessment and approval of a planning scheme amendment.

The Act also requires a **responsible authority**, before deciding on a planning permit application, to consider '*any significant effects which the responsible authority considers the use or development may have on the environment or which the responsible authority considers the environment may have on the use or development*' (Section 60).

What is an environmental audit?

The environmental audit system was introduced under the *Environment Protection Act 1970*. It aims to identify the environmental quality of a segment of the environment and any detriment to the beneficial uses of that segment. In the case of land, the beneficial uses are linked to land use.

A statutory environmental audit provides for an environmental auditor appointed under the *Environment Protection Act 1970*, to undertake an independent assessment of the condition of a site and form an opinion about its suitability for the proposed use. To form such an opinion, the auditor must gather and review sufficient information including site history information and the results of sampling and analysis of soil and possibly groundwater, surface water and air.

An audit of the condition of a site may result in the issue of either:

- a **Certificate** of Environmental Audit that indicates the auditor is of the opinion that the

site is suitable for any beneficial use and that there is no restriction on use of the site due to its environmental condition; or

- a **Statement** of Environmental Audit that indicates that the auditor is of the opinion that there is, or may be, some restriction on use of the site due to its environmental condition. A Statement may include conditions that require remediation works to be undertaken or places ongoing requirements on the site. A Statement might also indicate that a site is not suitable for any use, in which case the EPA will usually issue a Notice to require clean up or management of that site.

An auditor must first consider whether a Certificate can be issued for the site. This is the desired outcome for all sites. However, if a Certificate cannot be issued then a Statement of Environmental Audit must be issued.

An environmental audit reflects the condition of the site at the date of issue of the Certificate or Statement. If the site condition changes, an additional assessment may be required.

Section 53 ZE of the *Environment Protection Act 1970* requires that an occupier provide to any person who proposes to become an occupier a copy of any Statement of Environmental Audit that has been issued for the site (unless a Certificate of Environmental Audit has been subsequently issued).

What does the SEPP (Prevention and Management of Contamination of Land) 2002 do?

The *State Environment Protection Policy (Prevention and Management of Contamination of Land) (SEPP)* was released in 2002 to bring together all matters relating to contamination of land, including responsibilities for prevention and management of contamination.

The SEPP confirms the requirements of *Direction No. 1*. It also outlines useful actions a responsible authority should take in the assessment of planning permit applications. The SEPP provides guidance to responsible authorities in Clauses 13 & 14 of the SEPP. The suggested actions are elaborated on in later sections of this practice note.

How is potentially contaminated land identified?

Contamination of land is often a result of current or historical activities that have taken place at a site, or adjacent to it.

To identify the potential for contamination, the following steps may assist:

- Inspect the site. Observations should be made regarding evidence of contamination or historical activities that may give rise to contamination (for example, fuel tanks).
- Identify whether an Environmental Audit Overlay (EAO) exists over the site.
- Review any Site Analysis presented in accordance with Clauses 54.01-1 (single dwellings) & 55.01-1 (two or more dwellings) of planning schemes (these clauses require issues of site contamination to be identified).
- Consider any available information about the site:
 - The current and previous zoning, ownership or activities carried out on the site (for example council, rail, other utility or defence). Council rate records are a useful record of this information.
 - Any previous investigations or site assessments conducted.
 - Any potential contamination from surrounding land uses (for example, an adjacent service station known to be causing off-site contamination).
- Review lists of Certificates and Statements of Environmental Audit held by council and EPA. Environmental auditors are required to provide a copy of any Certificate or Statement issued to both the relevant council and the EPA.
- Review the EPA Priority Sites Register for information about sites with a current EPA Notice (for example, clean-up notice or pollution abatement notice) via Landata (www.land.vic.gov.au , Tel: 8636 2456) or Anstat (www.anstat.com.au, Tel. 9278 1172).

What information is needed?

In most cases the relevant information should be available from council or EPA records.

Particular types of current or past land uses or activities on a site (see section below) can act as a 'trigger' for the collection of more information about the previous uses or activities. Zoning may indicate past land uses, but is not a substitute for a detailed review of the site history.

If this information is not available to council officers, the SEPP suggests that further information should be requested from the proponent or applicant.

A suitably qualified environmental professional may provide an opinion on whether land intended for a sensitive use, is potentially contaminated. To contact a suitably qualified contaminated land

professional, go to either the EPA environmental auditors appointed in the category of contaminated land (www.epa.vic.gov.au/Industry/environmental_auditors.asp) or the Australian Contaminated Land Consultants Association (ACLCA) Victorian Branch, at www.aclca.asn.au or Ph: 9509 5949.

Where the applicant submits an environmental assessment of the land, the planning or responsible authority may require the applicant to contribute financially to an independent review of the information by a suitably qualified environmental professional.

What land uses or activities might indicate potential contamination?

An assessment of the current *or previous* land uses of a site is an important step in the identification of potentially contaminated land. Table 1 lists the types of land uses that may have potential for contaminating land.

Table 1 - Potential for contamination

High potential for contamination includes land used for:

- Abattoir
- Abrasive blasting
- Airport
- Asbestos production/disposal
- Asphalt manufacturing
- Automotive repair/engine works
- Battery manufacturing/recycling
- Bitumen manufacturing
- Boat building/maintenance
- Breweries/distilleries
- Brickworks
- Chemical manufacturing/storage/blending
- Cement manufacture
- Ceramic works
- Coke works
- Compost manufacturing
- Concrete batching
- Council works depot
- Defence works
- Drum re-conditioning facility
- Dry cleaning
- Electrical/electrical components manufacture
- Electricity generation/power station
- Electroplating
- Explosives industry
- Fibreglass reinforced plastic manufacture
- Foundry
- Fuel storage depot
- Gasworks
- Glass manufacture
- Iron and steel works
- Landfill sites/waste depots
- Lime works

- Metal coating
- Metal finishing and treatments
- Metal smelting/refining/finishing
- Mining and extractive industries
- Oil or gas production/refining
- Pest control depots
- Printing shops
- Pulp or paper works
- Railway yards
- Shooting or gun clubs
- Scrap metal recovery
- Service stations/fuel storage
- Sewage treatment plant
- Ship building/breaking yards
- Shipping facilities – bulk (rate <100 t/day)
- Stock dipping sites
- Spray painting
- Tannery (and associated trades)
- Textile operations
- Timber preserving/treatment
- Tyre manufacturing
- Underground storage tanks
- Utility depots
- Waste treatment/incineration/disposal
- Woollscouring

Medium potential for contamination can be identified by certain types of activities carried out on the land, which may be incidental to the main site activity. The nature of the products used or stored, the quantity stored, and the location of use or storage should be considered. Such activities might include:

- Chemical storage
- Fuel storage
- Underground storage tank (if recently installed and no evidence of leaks)
- Market gardens
- Waste disposal
- Filling (imported soil)
- Other industrial activities (such as warehousing of chemicals that may be spilt during loading or unloading)

Low potential for contamination is likely to exist if none of the identified uses or activities in the high and medium potential categories are known to have been carried out on the land.

What level of assessment is required?

The level of environmental assessment necessary for a planning scheme amendment or planning permit application will depend on the statutory requirements for the proposed land use and the potential for contamination.

Where land has been identified as being potentially contaminated, an assessment of the level of contamination is necessary before a

decision is made about the future use or development of that land. Councils should consider whether further information or advice from an expert should be sought to assist in determining what level of assessment is required. This enables planning decisions to be made with the knowledge of the condition of the site and the most satisfactory site management strategies.

There are two forms of assessment that can be applied. These are:

Require an environmental audit: a statutory audit undertaken by an environmental auditor under the *Environment Protection Act 1970*. The outcome is either a Certificate of Environmental Audit or a Statement of Environmental Audit.

Require a site assessment: a preliminary review of the site history (including current and previous uses and activities) by a suitably qualified environmental professional.

The matrix in Table 2 indicates the appropriate assessment level, based on proposed land use and current or historic land uses or activities carried out on the land.

Table 2 – Assessment matrix

PROPOSED LAND-USE	POTENTIAL FOR CONTAMINATION (as indicated in Table 1)		
	High	Medium	Low
<i>Sensitive Uses</i>			
<i>Child care centre, pre-school or primary school</i>	A	B	C
<i>Dwellings, residential buildings etc.</i>	A	B	C
<i>Other Uses</i>			
<i>Open space</i>	B	C	C
<i>Agriculture</i>	B	C	C
<i>Retail or office</i>	B	C	C
<i>Industry or warehouse</i>	B	C	C

A: Require an environmental audit as required by Ministerial Direction No. 1 or the Environmental Audit Overlay when a planning scheme amendment or planning permit application would allow a sensitive use to establish on potentially contaminated land.

An environmental audit is also strongly recommended by the SEPP where a planning permit application would allow a sensitive use to be established on land with 'high potential' for contamination.

B: Require a site assessment from a suitably qualified environmental professional if insufficient information is available to determine if an audit is appropriate. If advised that an audit is not required, default to C.

C: General duty under Section 12(2)(b) and Section 60(1)(a)(iii) of the Planning and Environment Act 1987.

When is an environmental audit necessary for a planning scheme amendment?

For land that has been identified as potentially contaminated land and where a planning scheme amendment would have the effect of allowing that land to be used for a sensitive use, *Direction No. 1* requires a planning authority to satisfy itself that the land is suitable for the use by:

- (a) A Certificate of Environmental Audit issued for the site; or
- (b) A Statement of Environmental Audit issued by an environmental auditor stating that the environmental conditions of the site are suitable for the sensitive use (with or without conditions on the use of the site).

Direction No. 1 requires that this be done before notice of a planning scheme amendment is given. However, it may be appropriate to delay this requirement if testing of the land before a notice of the amendment is given is difficult or inappropriate. For instance, if the rezoning relates to a large strategic exercise or involves multiple sites in separate ownership. *Direction No. 1* provides for the requirement for an environmental audit to be included in the amendment. This can be done by applying the EAO. See the section 'When should an Environmental Audit Overlay be applied'.

For a proposal to redevelop potentially contaminated land for a use other than a sensitive use (for example, a retail premises or office use), a planning authority can require an environmental audit if it considers it appropriate.

Direction No. 1 provides for an exemption from the need to comply with the Direction. Such an exemption may be appropriate where:

- Potentially contaminated land is already used for a sensitive use, agriculture or open space.
- Prior industry use of the land was benign and unlikely to result in any contamination.
- If there is a regional strategy to manage contamination (for example former gold mining activities).

A planning authority may request an exemption from the Minister for Planning or the Deputy Secretary, Built Environment, Department of Sustainability and Environment. The Minister or Deputy Secretary must consult with the EPA before making a decision. The planning authority should consult with the EPA before requesting an exemption.

When is an environmental audit necessary for a planning permit application?

For land that has been identified as potentially contaminated land and where a planning permit application may allow potentially contaminated land to be used for a sensitive use, the SEPP requires that the responsible authority seek a Certificate of Environmental Audit or a Statement of Environmental Audit indicating that the site is suitable for the proposed use.

An environmental audit should be required unless the proponent can demonstrate to the satisfaction of the responsible authority that the site has never been used for a potentially contaminating activity, or that other strategies or programs are in place to effectively manage any contamination.

Uses such as open space, agriculture and outdoor playgrounds associated with other uses are not sensitive uses but include an element of risk to the public. Careful consideration should be given to the likelihood of contamination and the need for an environmental audit.

If an environmental audit is required because an EAO is applied over the land, a Certificate or Statement of Environmental Audit must be issued before the sensitive use or buildings and works associated with the sensitive use can commence. If an EAO has been applied, the planning authority has already made an assessment that the land is potentially contaminated and that it is unlikely to be suitable for a sensitive use without further assessment and remediation works or management.

There may be other circumstances where the land is known to be contaminated and it would be appropriate for the level of contamination to be fully assessed as part of the application process.

Generally an environmental audit should be provided as early as possible in the planning process. This may not always be possible or reasonable and requiring an environmental audit as a condition of permit may be acceptable if the responsible authority is satisfied that the level of contamination will not prevent the use of the site.

Environmental audit works

The EAO is not a permit trigger and does not prevent works or activities being undertaken that are associated with an environmental audit (such as soil sampling).

Remediation works

Works that are associated with a development and that might also be remediation works (such as excavation or basement construction) should not commence before the completion of an environmental audit if a planning permit has not been issued for the development.

Where a permit has been issued for a development and a requirement for an environmental audit is a condition of permit, the responsible authority should consider carefully wording the permit conditions to allow early building works that facilitate remediation of the site.

When should a site assessment be sought?

A planning or responsible authority should seek (or require a proponent to seek) a site assessment by a suitably qualified environmental professional for proposals in category B, as shown in Table 2.

A site assessment should include:

- The nature of the previous land use or activities on the site
- How long did the activity take place?
- What is known about contamination?
- How much is present?
- How is it distributed?

An environmental professional may also assist in assessing information contained in any site assessment and advising further on the need for an audit on all or part of the site. The planning or responsible authority may require the applicant to include an independent assessment of the information, as part of the assessment of the permit application.

What if there are ongoing conditions of management?

Statement of Environmental Audit available at time of decision

A Statement of Environmental Audit usually contains one or more conditions that must be implemented for the site to be suitable for the proposed use.

The planning or responsible authority must consider any conditions in a Statement and:

- include provisions in a planning scheme amendment or conditions in a planning permit that reflect the requirements of the conditions of the Statement
- require the applicant to demonstrate that the conditions included in the Statement have been or will be met before the use commences
- liaise with other agencies of appropriate jurisdiction where the nature of the conditions means that they are more properly considered by that agency (for example, liaise with the EPA about conditions requiring ongoing management of groundwater).

It is appropriate for a Section 173 agreement under the *Planning and Environment Act 1987* to be required where:

- the conditions on a Statement of Environmental Audit will be ongoing in nature and require maintenance or monitoring such as regular groundwater or waterway testing
- other parties, such as the EPA or a water authority are involved with conditions of an ongoing nature.

The agreement should also provide for periodic reporting.

Other conditions, such as maintenance of a clay barrier are suitable to include as a planning permit condition.

If the conditions of a Statement of Environmental Audit are impractical or inappropriate to include as planning permit conditions, the environmental auditor should be asked to either re-issue the Statement or to confirm that the intent of the Statement conditions are adequately captured in the proposed planning permit conditions.

Where conditions on a Statement of Environmental Audit can be most effectively implemented by another agency, the planning or responsible authority should liaise with that agency and reach agreement about responsibilities and actions. Most commonly this would involve EPA, but on occasions may involve other agencies such as water authorities (for example where conditions requiring ongoing monitoring and management of polluted groundwater are to be imposed).

Requirements where an environmental audit is a condition of permit

Where an environmental audit is to be completed in response to a condition of a planning permit, it is necessary to carefully word planning permit conditions to not only require a Certificate or Statement of Environmental Audit but to also address the implementation of Statement conditions.

An example of conditions that might be placed on a planning permit is provided below:

1. Prior to the commencement of the use or buildings and works associated with the use (or the certification or issue of a statement of compliance under the *Subdivision Act 1988*) the applicant must provide:
 - (a) A Certificate of Environmental Audit in accordance with Section 53Y of the *Environment Protection Act 1970*; or
 - (b) A Statement of Environmental Audit under Section 53Z of the *Environment Protection Act 1970*. A Statement must state that the site is suitable for the use and development allowed by this permit.
2. All the conditions of the Statement of Environmental Audit must be complied with to the satisfaction of the responsible authority, prior to commencement of use of the site. Written confirmation of compliance must be provided by a suitably qualified environmental professional or other suitable person acceptable to the responsible authority. In addition, sign off must be in accordance with any requirements in the Statement conditions regarding verification of works.

Where there are conditions on a Statement of Environmental Audit that require significant ongoing maintenance and/or monitoring, the following condition might also be used:

3. The applicant must enter into a Section 173 Agreement under the *Planning and Environment Act 1987*. The Agreement must be executed on title prior to the commencement of the use and prior to the issue of a Statement of Compliance under the *Subdivision Act 1987*. The applicant must meet all costs associated with drafting and execution of the Agreement, including those incurred by the responsible authority.

How are environmental audit conditions enforced?

Where a responsible authority becomes aware that an occupier is failing to comply with requirements set out in the planning scheme or planning permit, enforcement procedures under the *Planning and*

Environment Act 1987 are available. These may include planning infringement notices, enforcement orders or prosecution through the Magistrates Court.

Where the failure to comply with Statement conditions results in a site not being suitable for its current use, EPA may issue a Clean-up Notice under the *Environment Protection Act 1970*. This also applies where the non-compliance results in pollution or a likelihood of pollution of another segment of the environment.

Depending on the nature of the conditions, other agencies may also have a role in enforcement.

When should an Environmental Audit Overlay be applied?

The Environmental Audit Overlay (EAO) is a mechanism provided in the *Victoria Planning Provisions* and planning schemes to defer the requirements of *Direction No. 1* for an environmental audit until the site is to be developed for a sensitive use.

By applying the overlay, the planning authority has made an assessment that the land is potentially contaminated land, and is unlikely to be suitable for a sensitive use without more detailed assessment and remediation works or management. The steps set out in 'How is potentially contaminated land identified?' should be used to make this assessment.

The planning authority is also determining that the requirements of *Direction No. 1* may be deferred. The EAO is a statutory mechanism to provide for that deferment. The EAO is not simply a means of identifying land that is or might be contaminated and should not be used for that purpose. Previous zoning is not sufficient reason in itself to justify application of an EAO.

The Explanatory Statement to *Direction No. 1* suggests that it may only be appropriate to defer the audit requirement if testing of the land before a notice of amendment is given is difficult or inappropriate. An example might be where the rezoning relates to a large strategic exercise or involves multiple sites in separate ownership.

Planning authorities should be careful in applying the overlay. All buildings and works associated with a sensitive use (irrespective of how minor) will trigger the need to undertake an environmental audit.

Where sensitive uses already exist on a site the planning authority, before applying an EAO, should satisfy itself that these sites are potentially contaminated (through site history records). If there is no evidence of potentially contaminated land it may not be appropriate to apply the EAO to these sites.

When should an Environmental Audit Overlay be removed?

The planning authority should remove the EAO if:

- it determines that the land is not potentially contaminated land. The steps set out in 'How is potentially contaminated land identified?' will assist this decision; or
- the site is given a Certificate of Environmental Audit.

In some circumstances where a Statement of Environmental Audit is issued, it may also be possible to remove the EAO (for example, where there are minimum restrictions or conditions on the use of the site, or the conditions have been complied with). The timely removal of an EAO will avoid costly and time-consuming requirements for all parties.

References

- *Ministerial Direction No. 1 – Potentially Contaminated Land* 1989.
- *Victoria Planning Provisions*, particularly Clauses 15.06, 45.03, 54.01, 55.01 and 65.
- *State Environment Protection Policy (Prevention and Management of Contamination of Land)* June 2002.
- *Environmental Auditing of Contaminated Land* (EPA Publication 860, July 2002)).
- *Environmental Auditor (Contaminated Land) Guidelines for Issue of Certificates and Statements of Environmental Audit* (EPA Publication 759b, October 2002).

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Attachment C

DIRECTION NO.1

POTENTIALLY CONTAMINATED LAND

Purpose

1. The purpose of this Direction is to ensure that potentially contaminated land is suitable for a use which is proposed to be allowed under an amendment to a planning scheme and which could be significantly adversely affected by any contamination.

Application

2. This Direction applies to potentially contaminated land.

Definitions

3. In this Direction:
 - “potentially contaminated land” means land used or known to have been used for:
 - a) industry,
 - b) mining, or
 - c) the storage of chemicals, gas, wastes or liquid fuel (if not ancillary to another use of the land).
 - “sensitive use” means a residential use, a child care centre, a pre-school centre or a primary school.

Requirement to be met

4. In preparing an amendment which would have the effect of allowing (whether or not subject to the grant of a permit) potentially contaminated land to be used for a sensitive use, agriculture or public open space, a planning authority must satisfy itself that the environmental conditions of that land are or will be suitable for that use.

How a planning authority must satisfy itself - sensitive uses

5. In satisfying itself in relation to an amendment allowing a sensitive use, a planning authority must comply with either sub-clause (1) or (2):

- (1) Before it gives a copy or notice of the amendment under Section 17, 18 or 19 of the Act, a planning authority must ensure that:
 - a) A certificate of environmental audit has been issued for the land in accordance with Part IXD of the Environment Protection Act 1970, or
 - b) If the amendment allows a sensitive use only in accordance with plans included or referred to in the amendment an environmental auditor appointed under the Environment Protection Act 1970 has made a statement in accordance with Part IXD of that Act that the environmental conditions are suitable for the sensitive use in accordance with those plans.
- (2) A planning authority must include in the amendment a requirement to the effect that before a sensitive use commences or before the construction or carrying out of buildings or works in association with a sensitive use commences:
 - a) A certificate of environmental audit must be issued for the land in accordance with Part IXD of the Environment Protection Act 1970, or
 - b) An environmental auditor appointed under the Environment Protection Act 1970 must make a statement in accordance with Part IXD of that Act that the environmental conditions of that land are suitable for the sensitive use.

Exemption by Minister

6. The Minister or Executive Director, Planning, Heritage and Building Division may grant an exemption from the need to comply with this Direction in relation to a particular amendment. The Minister or Executive Director must consult the Environment Protection Authority before deciding to grant an exemption. An exemption may be granted subject to conditions.”

HON JOHN THWAITES MINISTER FOR PLANNING

Date : 27 September 2001

Amendments to this Direction	
Introduced	9 October 1989
Amended	14 May 1992
Amended	27 September 2001

Planning and Environment Act 1987

Section 12 (2) (a)

DIRECTION NO. 1

POTENTIALLY CONTAMINATED LAND

EXPLANATORY STATEMENT

Introduction

Despite our relatively short history, we have witnessed many changes in industrial activity, industrial practices and techniques and in the locations preferred for these activities. In the same period, our environmental and occupational health standards have significantly improved.

It is therefore not surprising to learn that many sites are contaminated as a result of industrial activities and practices which by today's standards would be unacceptable. Some of these sites may have been severely contaminated at a time when records of industrial activity were poorly kept or not kept at all. As industrial activity changes and locational requirements change, industrial sites become available for other uses and rezonings are proposed.

In many cases, this will not pose any significant problems and the provisions of the Planning and Environment Act 1987 allow for appropriate consideration of relevant environment conditions.

What is potentially contaminated land ?

In this Direction, potentially contaminated land is considered to be land used or known to have been used for:

- a) industry;
- b) mining, or
- c) the storage of chemicals, gas, wastes or liquid fuel (if not ancillary to another use of the land).

The effect of the storage definition ((c) above) is to ensure that the storage of normal ancillary wastes, chemicals or fuel on, for example, a farm, a home or a school does not automatically define that land as potentially contaminated for the purpose of the direction. It is nevertheless true that, in some cases, the ancillary storage of these matters could result in contamination and planning authorities should be aware of this.

Some information about contaminated farm land can be made available from the Department of Food and Agriculture if the relevant owner of the land agrees and if a fee is paid.

If potentially contaminated land is proposed to be rezoned to allow:

- a) Residential use
- b) Public open space
- c) Agriculture
- d) A child care centre, pre-school centre or a primary school,

it is important that planning authorities deliberately satisfy themselves that the environmental conditions of the land are suitable for those uses.

What does the Direction do?

The Direction therefore requires a planning authority to satisfy itself that environmental conditions of potentially contaminated land are or will be suitable for any of the above uses proposed to be allowed under the amendment.

Because the likelihood of ingestion of contaminated soil by young children is higher, the critical rezonings are those amendments to planning schemes which propose residential use, or a child care centre, pre-school or a primary school. In the Direction, these uses are defined as “sensitive” uses.

Under the Environment Protection Act 1970, a certificate of environmental audit may be granted by auditors appointed under that Act to certify that land is suitable for any ‘beneficial use’, as defined in that Act.

How must a planning authority satisfy itself?

The Direction uses this certificate of audit system and requires a planning authority to satisfy itself in one of two ways if an amendment proposes to allow a sensitive use.

Option 1

Before a notice or copy of the amendment is given :

- A certificate of environmental audit must be issued for the land; or
- An environmental auditor appointed under the Environment Protection Act 1970 has made a statement in accordance with Part IXD of the Act that the environmental conditions of the land are suitable for the proposed sensitive use, if redevelopment plans have been prepared and are referred to in the amendment.

In the latter case the auditor’s statement provides a planning authority with assurance that residual levels of contamination do not prejudice the proposed use. A statement therefore differs from a certificate of environmental audit because the latter provides unqualified assurance that no beneficial use is restricted. Guidelines on the issue of certificates and auditor’s statements have been prepared by the EPA and have been sent to all planning authorities.

Option 2

If testing of land before a notice or copy of the amendment is given is difficult or inappropriate, a planning authority may alternatively require a certificate or an

auditor's statement at a later date. Under this option, the requirement for a certificate or statement to be issued before a sensitive use commences or buildings or works associated with a sensitive use commences must be included in the amendment.

What about open space and agriculture?

The Direction does not require the issue of a certificate or statement in relation to amendments which allow potentially contaminated land to be used for other purposes. Planning authorities are encouraged to satisfy themselves that the environmental conditions of land are appropriate for its intended use in accordance with the general duties of planning authorities under Section 12 of the Act.

Special care should be taken with amendments which propose open space or agriculture. In relation to open space, planning authorities are encouraged to contact the Environment Protection Authority to discuss appropriate approaches to the development of open space designed to overcome potential problems. For example, the way open space is developed may be critical to avoid potential problems associated with a proposed wetland or an adventure play ground.

In relation to agriculture, planning authorities are encouraged to contact the Department of Natural Resources and Environment on the suitability of the land for its intended agricultural use.

What if the amendment affects a large part of the municipality? Can an exemption be sought from the need to comply with the Direction?

It is recognised that a planning authority's task of complying with this Direction will be significantly harder in relation to amendments affecting all (or large parts) of the municipality. The Direction is not designed to discourage proper reviews of a whole scheme (or large parts of it). Planning authorities undertaking such exercises are encouraged to identify all the potentially contaminated land in the planning area, and to concentrate on satisfying itself about environmental conditions if the uses referred to in Clause 4 of the Direction could be allowed under the relevant amendment.

The nature of the task may make it reasonable to seek an exemption from the Direction and Clause 6 of the Direction enables a request for exemption to be made to the Minister. A ground for exemption may be that the potentially contaminated land is already used for the uses referred to in Clause 4. An exemption may also be appropriate if the form of (for example) prior industry use of the land was particularly benign and extremely unlikely to result in any contamination. Before a request is made, a planning authority should discuss the matter with the Environment Protection Authority.

More information?

Advice about the appropriate form of amendments should be sought from the relevant regional office of the Department of Infrastructure.

On issues relating to agriculture, advice should be sought from the relevant local office of the Department of Natural Resources and Environment.

Advice on a particular situation should be sought from the EPA on (03) 9695 2722.

Attachment D

45.03

31/07/2018
VC148

ENVIRONMENTAL AUDIT OVERLAY

Shown on the planning scheme map as **EAO**

Purpose

To implement the Municipal Planning Strategy and the Planning Policy Framework.

To ensure that potentially contaminated land is suitable for a use which could be significantly adversely affected by any contamination.

45.03-1

19/01/2006
VC37

Requirement

Before a sensitive use (residential use, child care centre, pre-school centre or primary school) commences or before the construction or carrying out of buildings and works in association with a sensitive use commences, either:

- A certificate of environmental audit must be issued for the land in accordance with Part IXD of the *Environment Protection Act 1970*, or
- An environmental auditor appointed under the *Environment Protection Act 1970* must make a statement in accordance with Part IXD of that Act that the environmental conditions of the land are suitable for the sensitive use.