



Appendix C

Laboratory Reports and Chain of Custody Documentation



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CERTIFICATE OF ANALYSIS

Client:

GHD

57 Herbert St

Artarmon

NSW 2064

Attention: Andrew Barwick

Sample log in details:

Envirolab Reference:	05/1926
Your Reference:	2114037, MacDonaldtown
No. of samples:	39 Soils, 2 Waters
Date samples received:	18/08/05
Date completed instructions received:	18/08/05

Analysis Details:

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client.

Results are reported on a dry weight basis for soils and on an as received basis for other matrices.

TPH in soil: # Percent recovery not available due to significant background levels of analyte in the sample.

This report differs from the one issued on 25/8/05 for BTEX for samples Tripsike and Tripblank - these were incorrectly labelled.

Report Details:

Date results requested by: 25/08/05

Date of Preliminary Report: 23/08/05

Date of Final Report: 12/09/05

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

Accredited for compliance with ISO/IEC 17025.

Tests not covered by NATA are denoted with *.

INS: Insufficient sample for this test

NT: Not tested

NR: Not requested

PQL: Practical Quantitation level

<: Less than

>: Greater than

LCS: Laboratory Control Sample

Tania Notaras
Manager



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This report supersedes the previous with the same Reference no.

vTPH & BTEX in Soil						
Our Reference:	UNITS	05/1926-1	05/1926-2	05/1926-5	05/1926-6	05/1926-7
Your Reference	-----	TP1	TP1	TP2	TP2	TP2
Depth	-----	0.1-0.3	0.5-0.6	0.0-0.2	0.4-0.5	0.8-1.0
Date Sampled		17/08/05	17/08/05	17/08/05	17/08/05	17/08/05
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	--	19/8/05	19/8/05	19/8/05	19/8/05	19/8/05
Date analysed	--	22/8/05	22/8/05	22/8/05	22/8/05	22/8/05
vTPH C ₆ - C ₉	mg/kg	<25	<25	[NA]	[NA]	[NA]
Benzene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
m + p-Xylene	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
o-Xylene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Surrogate chlorobenzene-d5	%	75	84	74	87	67

vTPH & BTEX in Soil						
Our Reference:	UNITS	05/1926-10	05/1926-11	05/1926-12	05/1926-13	05/1926-14
Your Reference	-----	TP3	TP3	TP3	TP4	TP4
Depth	-----	0.2-0.3	0.4-0.6	0.8-0.9	0.1-0.2	0.3-0.4
Date Sampled		17/08/05	17/08/05	17/08/05	17/08/05	17/08/05
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	--	19/8/05	19/8/05	19/8/05	19/8/05	19/8/05
Date analysed	--	22/8/05	22/8/05	22/8/05	22/8/05	22/8/05
vTPH C ₆ - C ₉	mg/kg	150	<25	[NA]	[NA]	<25
Benzene	mg/kg	3.2	<1.0	<1.0	<1.0	<1.0
Toluene	mg/kg	10	1.6	<1.0	<1.0	2.4
Ethylbenzene	mg/kg	2.8	<1.0	<1.0	<1.0	1.3
m + p-Xylene	mg/kg	150	<2.0	<2.0	<2.0	<2.0
o-Xylene	mg/kg	29	<1.0	<1.0	<1.0	1.0
Surrogate chlorobenzene-d5	%	74	67	79	83	88

vTPH & BTEX in Soil Our Reference: Your Reference Depth Date Sampled Type of sample	UNITS ----- -----	05/1926-17 TP4 - Pipe - 17/08/05 Soil	05/1926-19 TP5 0.4-0.5 17/08/05 Soil	05/1926-22 TP6 0.7-0.8 17/08/05 Soil	05/1926-23 TP6 1.3-1.5 17/08/05 Soil	05/1926-24 TP7 0.1-0.2 17/08/05 Soil
Date extracted	--	19/8/05	19/8/05	19/8/05	19/8/05	19/8/05
Date analysed	--	22/8/05	22/8/05	22/8/05	22/8/05	22/8/05
Benzene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	mg/kg	<1.0	1.4	<1.0	<1.0	<1.0
Ethylbenzene	mg/kg	<1.0	1.0	<1.0	<1.0	<1.0
m + p-Xylene	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
o-Xylene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Surrogate chlorobenzene-d5	%	86	88	84	88	80

vTPH & BTEX in Soil Our Reference: Your Reference Depth Date Sampled Type of sample	UNITS ----- -----	05/1926-25 TP7 0.4-0.6 17/08/05 Soil	05/1926-28 TP8 0.4-0.6 17/08/05 Soil	05/1926-30 TP9 0.7-0.9 17/08/05 Soil	05/1926-32 TP10 0.1-0.3 17/08/05 Soil	05/1926-34 TP10 1.6-1.8 17/08/05 Soil
Date extracted	--	19/8/05	19/8/05	19/8/05	19/8/05	19/8/05
Date analysed	--	22/8/05	22/8/05	22/8/05	22/8/05	22/8/05
Benzene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
m + p-Xylene	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0
o-Xylene	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0
Surrogate chlorobenzene-d5	%	81	84	79	83	80

vTPH & BTEX in Soil Our Reference: Your Reference Depth Date Sampled Type of sample	UNITS ----- -----	05/1926-36 TP11 0.5-0.6 17/08/05 Soil	05/1926-37 DUP 1 - 17/08/05 Soil	05/1926-38 DUP 2 - 17/08/05 Soil	05/1926-39 DUP 3 - 17/08/05 Soil
Date extracted	--	19/8/05	19/8/05	19/8/05	19/8/05
Date analysed	--	22/8/05	22/8/05	22/8/05	22/8/05
vTPH C6 - C9	mg/kg	[NA]	<25	[NA]	[NA]
Benzene	mg/kg	<1.0	<1.0	<1.0	<1.0
Toluene	mg/kg	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	mg/kg	<1.0	<1.0	<1.0	<1.0
m + p-Xylene	mg/kg	<2.0	<2.0	<2.0	<2.0
o-Xylene	mg/kg	<1.0	<1.0	<1.0	<1.0
Surrogate chlorobenzene-d5	%	86	82	80	75