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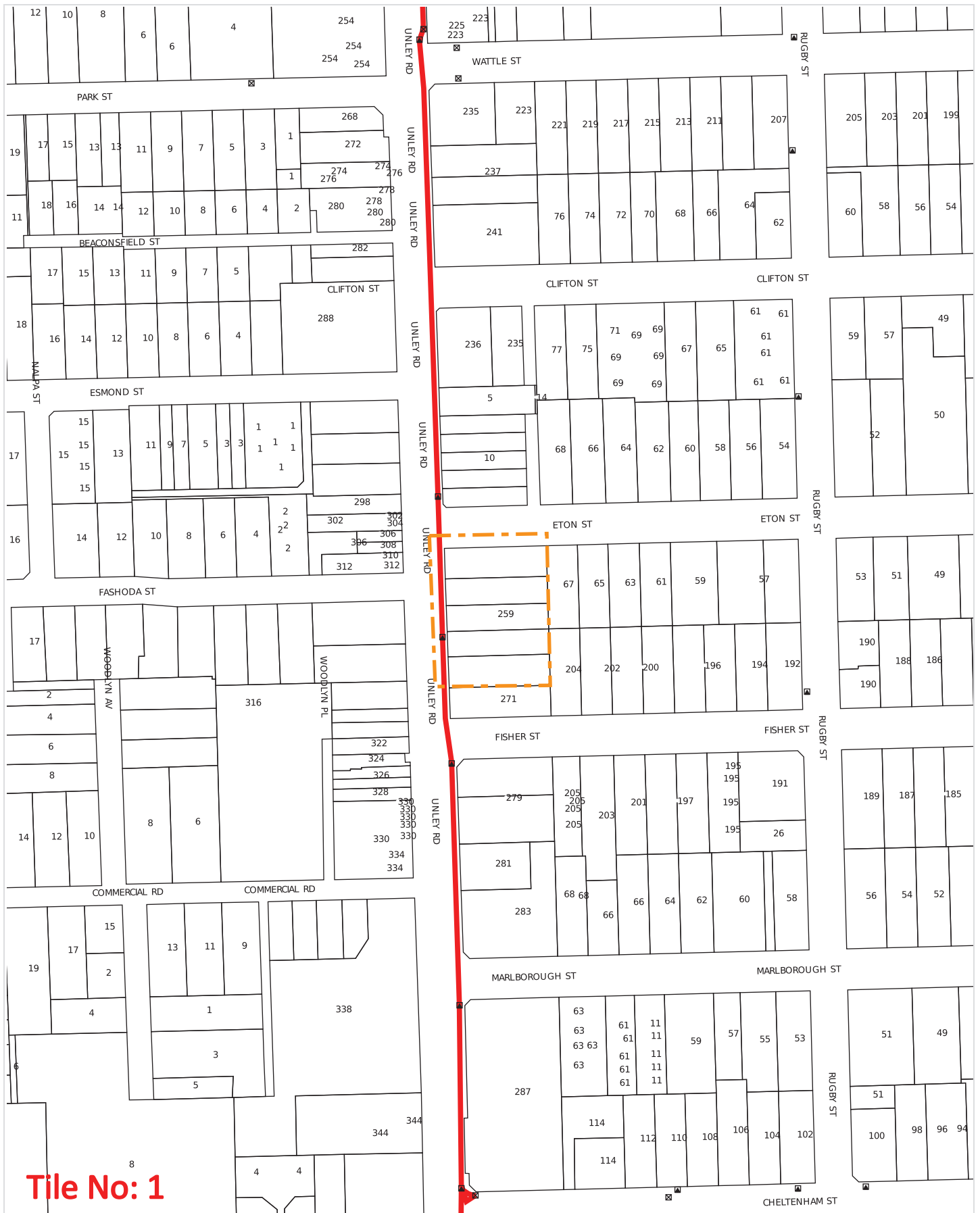
Sequence Number: 259862228

Date Generated: 20 Aug 2025



For all Optus DBYD plan enquiries –
 Email: Fibre.Locations@optus.net.au
 For urgent onsite assistance contact 1800 505 777
 Optus Limited ACN 052 833 208





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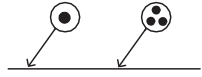


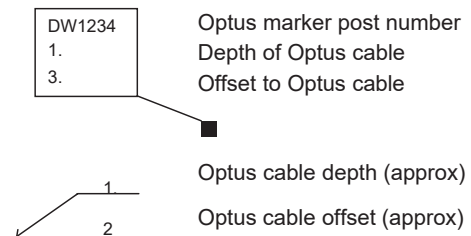
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	Optus underground cable
	Optus underground IOF cable
	Optus conduit
 OR 	Optus cable in Other Utility conduit
	Southern Cross conduit
	Indigo conduit
	Uecomm conduit
	Optus aerial fibre cable

	Optus manhole/pit
	Other Utility manhole/pit
	Optus marker post
	Railway / Tram line
	Highway / Major Road
	Arterial Road
	Council Road - minor

	Optus underground cable
	Optus cable buried jointly with third party utility
	Optus cable in conduit with subducts



Before You Dig (BYDA) Location Information

To:

Fyfe - Adam Cappur-Smith

124 South Terrace

Adelaide

SA

5000

Enquiry Details	
Utility ID	50800
Sequence Number	259862231
Enquiry Date	20/08/2025 15:56
Response	AFFECTED
Address	259-269 Unley Road Malvern
Location in Road	
Activity	Vertical Boring

Enquirer Details	
Customer ID	3743477
Contact	Adam Cappur-Smith
Company	Fyfe
Email	adam.cappursmith@fyfe.com.au
Phone	+61411719047

Underground cable locations ASSETS FOUND

The process:

1. You made an enquiry with Before You Dig (1100).
2. Before You Dig referred your enquiry to SA Power Networks (South Australia's Distribution Network).
3. SA Power Networks has checked their records and have found underground assets in your request area.
4. Please review the attached Asset Map(s) in regard to your excavation, as there may be some restrictions that apply if your excavation is greater than 300mm below ground level and less than 3.0m from an SA Power Networks Asset. Further explanation of restricted and exclusion zones can be found at <https://www.sapowernetworks.com.au/public/download.jsp?id=324237> OR search [sapowernetworks.com.au](https://www.sapowernetworks.com.au) for NICC 404 and by referring to the figure on page 5, 6, 7, 8 or 9.
5. An on-site assessment and/or technical drawings may also be necessary to ascertain the exact cable/asset location. This service can be provided by SA Power Networks and may incur a cost.
6. Please contact your local SA Power Networks Location Officer to schedule work or make further enquiries regarding this request either by return email or the contact number supplied. Other general enquiries can be made on (08) 8292 0218.
7. If you have damaged SA Power Networks Assets immediately notify Faults & Emergencies on (08) 8404 4499.

Please note: Underground services in the vicinity of any proposed earthworks must be located by hand digging (pot-holing) prior to the commencement of works. Persons conducting works will be held responsible for any resulting loss or damage to the services associated with infrastructure

Important information and conditions of use for users of underground services information supplied by SA Power Networks

Indicative information only

The accompanying information is intended only to indicate the presence of SA Power Networks' underground services and/or to convey general indicative information in respect of the location marked on the plans. **The information does not necessarily provide current, comprehensive or accurate description or location of the underground services or associated infrastructure.**

The information may also describe or indicate the presence of underground services or infrastructure not owned by SA Power Networks, for example, electrical services connected to an SA Power Networks' service point. SA Power Networks takes no responsibility for services or infrastructure that is not owned or operated by SA Power Networks or the accuracy or completeness of their description or location in the accompanying information.

Additional technical information may be requested from SA Power Networks for planning or engineering design (non-digging) purposes. Such requests are to be directed to SA Power Networks Builders and Contractors Electrical Service Line (1300 650 014).

Identifying the location of underground services

Working near or around live electrical cables can be hazardous. **An on-site assessment is strongly recommended prior to undertaking ANY works and is necessary to determine the location of the underground services.** This can be undertaken by SA Power Networks or an alternative professional locating service provider. Enquiries can be made about SA Power Networks' cable location service by telephoning (08) 8292 0218.

Restrictions may apply in regard to your excavation particularly if your excavation is greater than 300mm below ground level and less than 3.0m from an SA Power Networks asset. Further explanation regarding restricted exclusion zones can be found at <https://www.sapowernetworks.com.au/public/download.jsp?id=324237> OR search sapowernetworks.com.au for NICC 404 and by referring to the figures on pages 5, 6, 7, 8 or 9.

Underground services in the vicinity of any proposed earthworks must be located by hand digging (pot-holing) prior to the commencement of the works. Persons conducting works will be held responsible for any resulting loss or damage to the services or associated infrastructure.

Working near high voltage 66kV underground cables

Persons intending to conduct earthworks in the vicinity of an SA Power Networks high voltage 66kV underground cable MUST first obtain a site-specific clearance by contacting the SA Power Networks Connections Central Team on 8404 5409.

Basis of information supply

The accompanying information is supplied at the request of, and is only provided for use by, the requestor. The information is valid for 30 days from the date of issue.

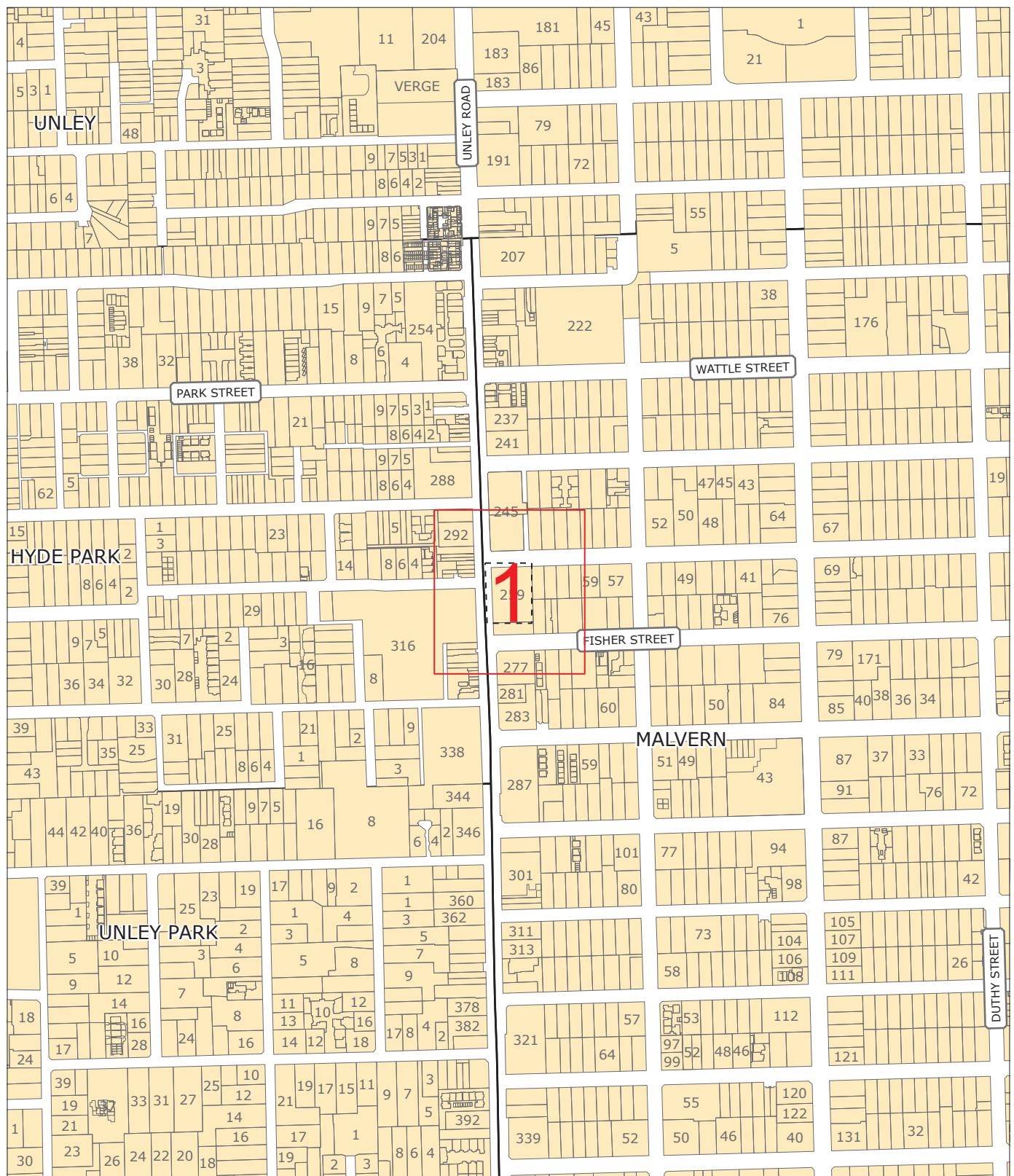
SA Power Networks, its employees, agents and contractors shall accept no responsibility for any inaccuracy or incompleteness in the information provided or liability in respect of any personal injury, death, loss or damage to any real or personal property or otherwise that arises out of or in connection with, directly or indirectly, the provision of or reliance upon the information.

It is the requestor's responsibility to ensure that the information provided accords with the area depicted on the requestor's Before You Dig request. The information provided should not be used in respect of any area outside of the area depicted on the Before You Dig request. SA Power Networks does not warrant that the information is suitable for the requestor's intended purposes.

Any use of the accompanying information is subject to the requestor's agreement to the conditions contained in this document. Upon acceptance of these conditions, SA Power Networks grants the requestor permission to use the information. The information must be returned to SA Power Networks if the conditions are not accepted.

Important note: It is an offence under the Electricity Act 1996 (SA) to cause damage to or interfere with electrical infrastructure

Overview Map

Sequence No: 259862231
259-269 Unley Road Malvern


Disclaimer: The Plan/Sketch is supplied at your request and is subject to your agreement that SA Power Networks shall not be liable or responsible for the correctness or otherwise of any such information supplied pursuant to this request. Upon acceptance of this condition SA Power Networks grants you permission to use the Plan/Sketch as a guide to the location of SA Power Networks assets. The Plan/Sketch must be returned to SA Power Networks if you fail to accept the conditions of use.

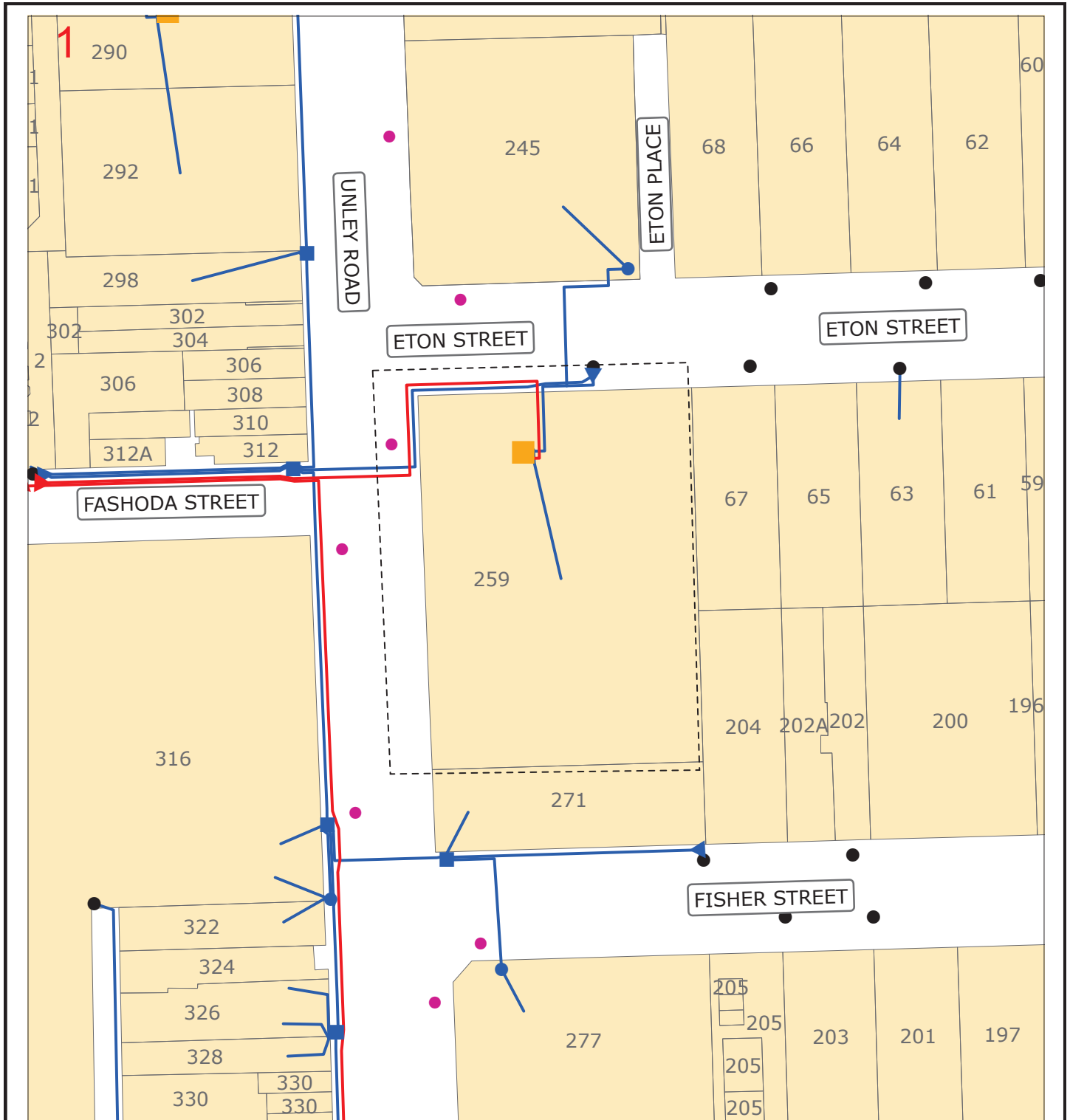

LEGEND:

- 1** Detail Map
-  BYD Requested Area

Map 1

Sequence No: 259862231

259-269 Unley Road Malvern



Note: The presence of lighting columns and cable exits may indicate unidentified additional cables.

LEGEND:

Cable Exits

-  66kV/132kV
-  33kV
-  19kV
-  11kV
-  Other HV
-  Not In Service
-  Low Voltage

Cables

-  66kV/132kV
-  33kV
-  19kV
-  11kV
-  Other HV
-  Not In Service
-  Low Voltage

 BYD Requested Area

 HV Switch Unit

 Transformer Unit

 HV Joint Bay

 LV Switching Cubicle/Pit

 Pit

 Electrical Earthing Area

 Fibre Cable/Duct

 Fibre Pit

 Pilot Cable

 Pilot Manhole/Pit

 Substation

 Electricity Pole

 Light Column



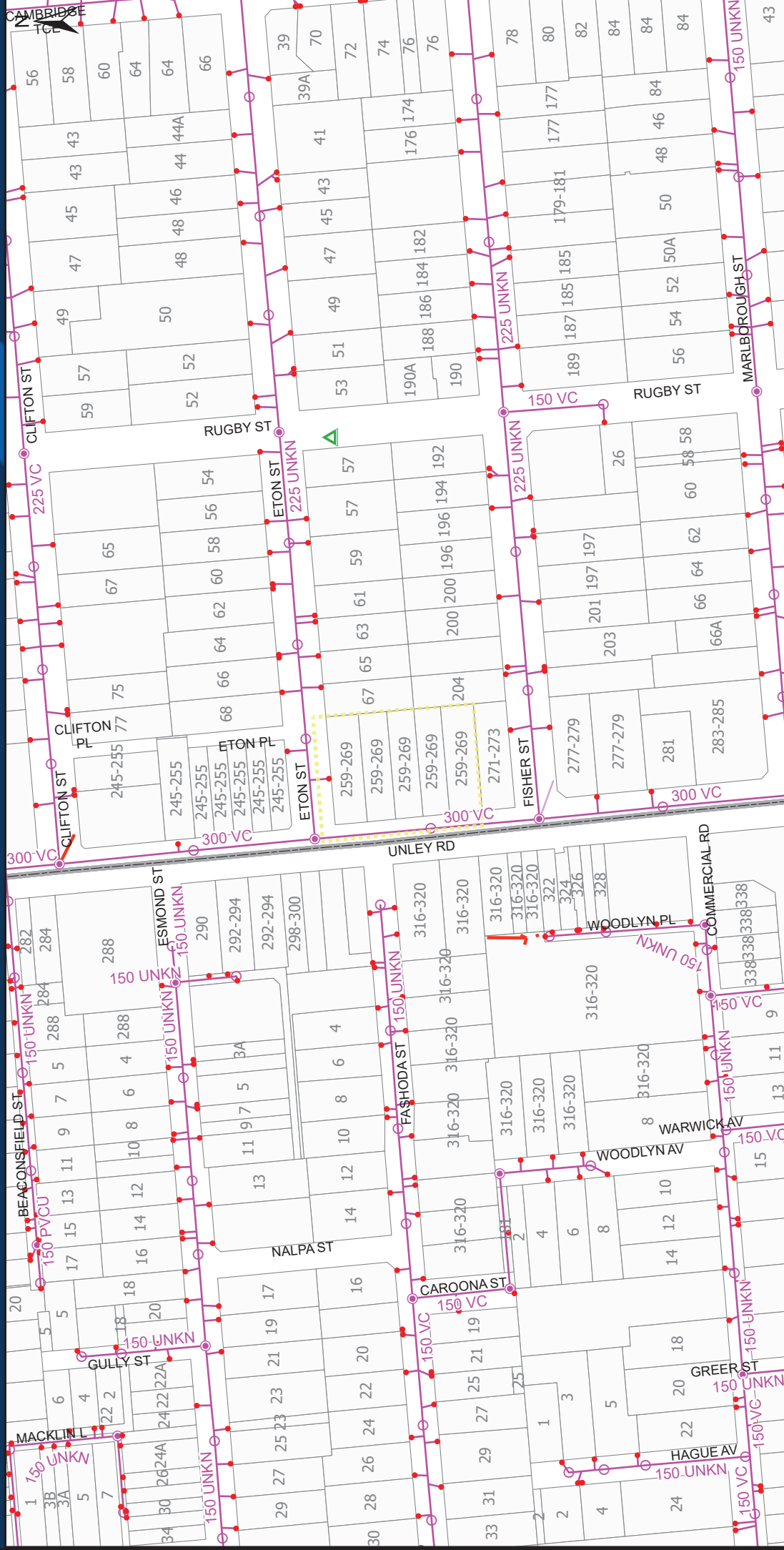
0 0.009km



WASTEWATER RETICULATION

Seq # 259862229

Job # 50966940



- | | | | | | |
|--------------------|---------------|-----------------------|---------------------|-------------------|---------------------|
| BYDA Enquiry | Connections | CP Anode Bed | Telemetry Cables | Unknown | Power |
| GIP | Gravity Mains | CP Anode Cathode | Unknown | Power | Communication |
| Valve | Low Pressure | Cables | Power | Communication | Catholic Protection |
| Inspection Opening | Pumping Mains | CP Facility | Communication | Decommissioned | Electric Device |
| Maintenance Hole | Vacuum | CP Electricity Supply | Catholic Protection | Suburbs and Towns | Parcels |
| Maintenance Shaft | | | | | |

This advice and/or information is given for your private use only. The accuracy of the advice and information is not guaranteed, and no responsibility is accepted by the crown, the South Australian Water Corporation or their officers, agents or servants for any loss or damage caused by reliance upon this advice and/or information, as a result of any error, omission, incorrect description or statement therein whether caused by negligence or otherwise.

Scale @ A4: 1:2,500

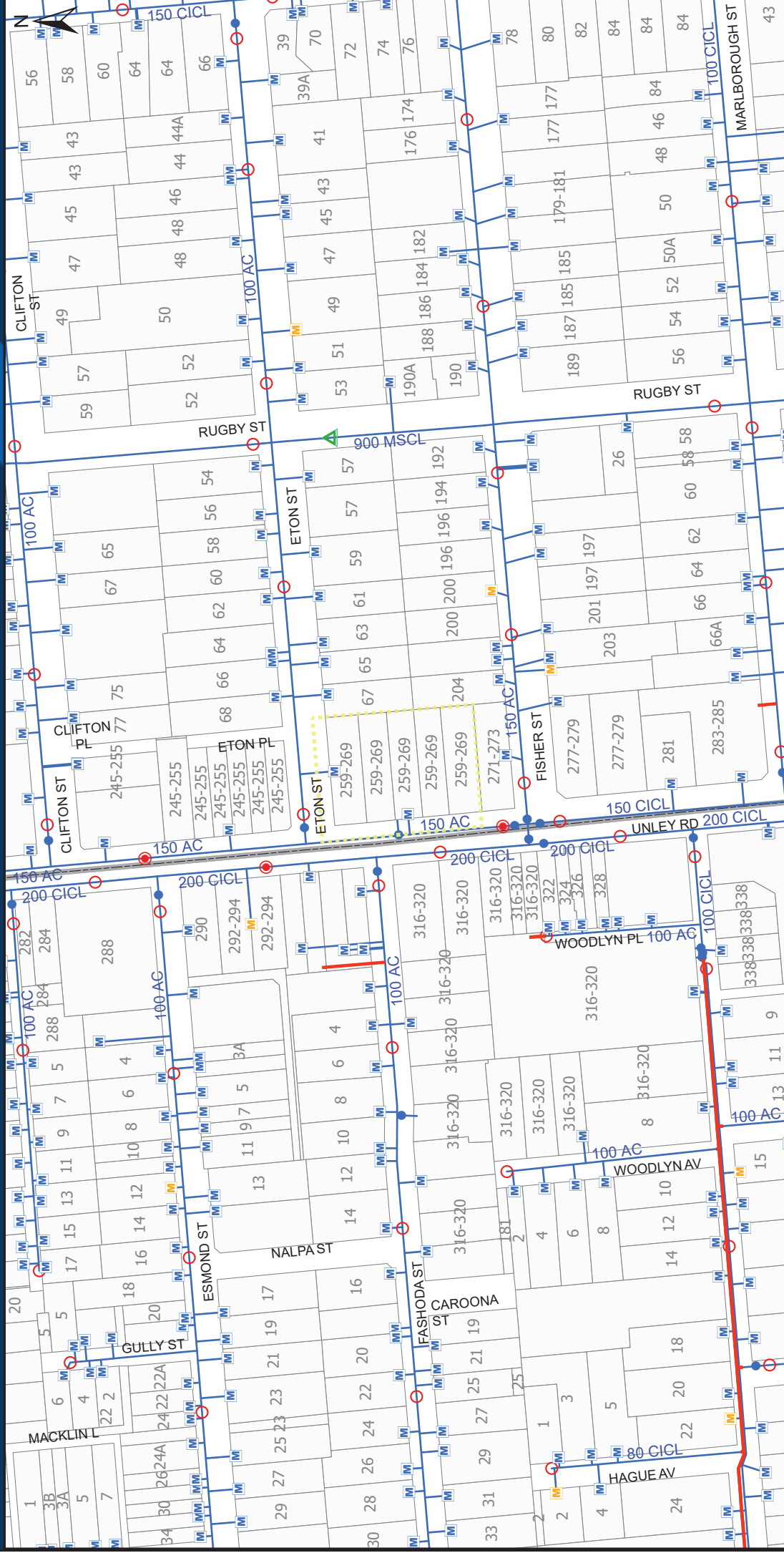
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WATER RETICULATION

Seq # 259862229

Job # 50966940

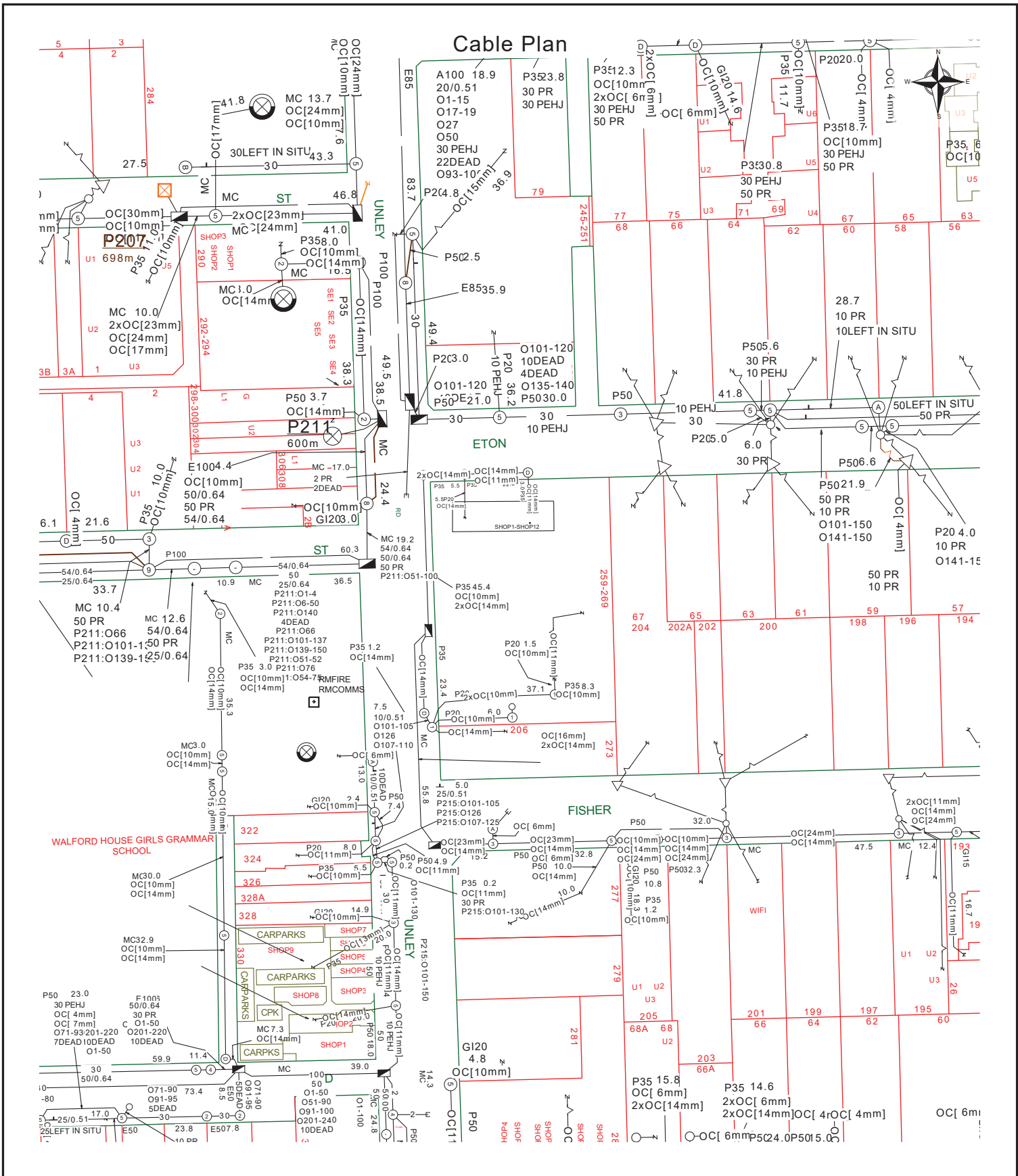


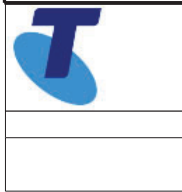
- | | | | | |
|-----------------------------|-------------------------------|------------------------------|-----------------------|--------------------------------|
| BYDA Enquiry | Decommissioned Asbestos Mains | CP Electricity Supply Cables | CP Anode Bed Outlines | ASSETGROUP Cathodic Protection |
| Water Valves | Water Pillar Hydrant | CP Anode Cathode Cables | Shifted Water Meter* | Parcels |
| Water Main | Water Hydrant | CP Facility | Water Meter | Suburbs and Towns |
| Water Main (Decommissioned) | | | | |

*Connection between water meter and pipe not shown

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Scale @ A4: 1:2,500

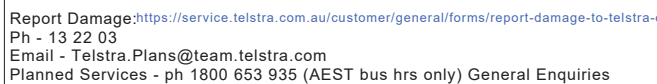


	Report Damage: https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra Ph - 13 22 03 Email - Telstra.Plans@team.telstra.com Planned Services - ph 1800 653 935 (AEST bus hrs only) General Enquiries TELSTRA LIMITED A.C.N. 086 174 781 Generated On 20/08/2025 16:31:41	Sequence Number: 259862233 CAUTION: Fibre optic and/ or major network present in plot area. Please read the Duty of Care and contact Telstra Plan Services should you require any assistance.
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The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

WARNING
Telstra plans and location information conform to Quality Level "D" of the Australian Standard AS 5488-Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing it. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy. Further on site investigation is required to validate the exact location of Telstra plant prior to commencing construction work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works.

See the Steps- Telstra Duty of Care that was provided in the email response.

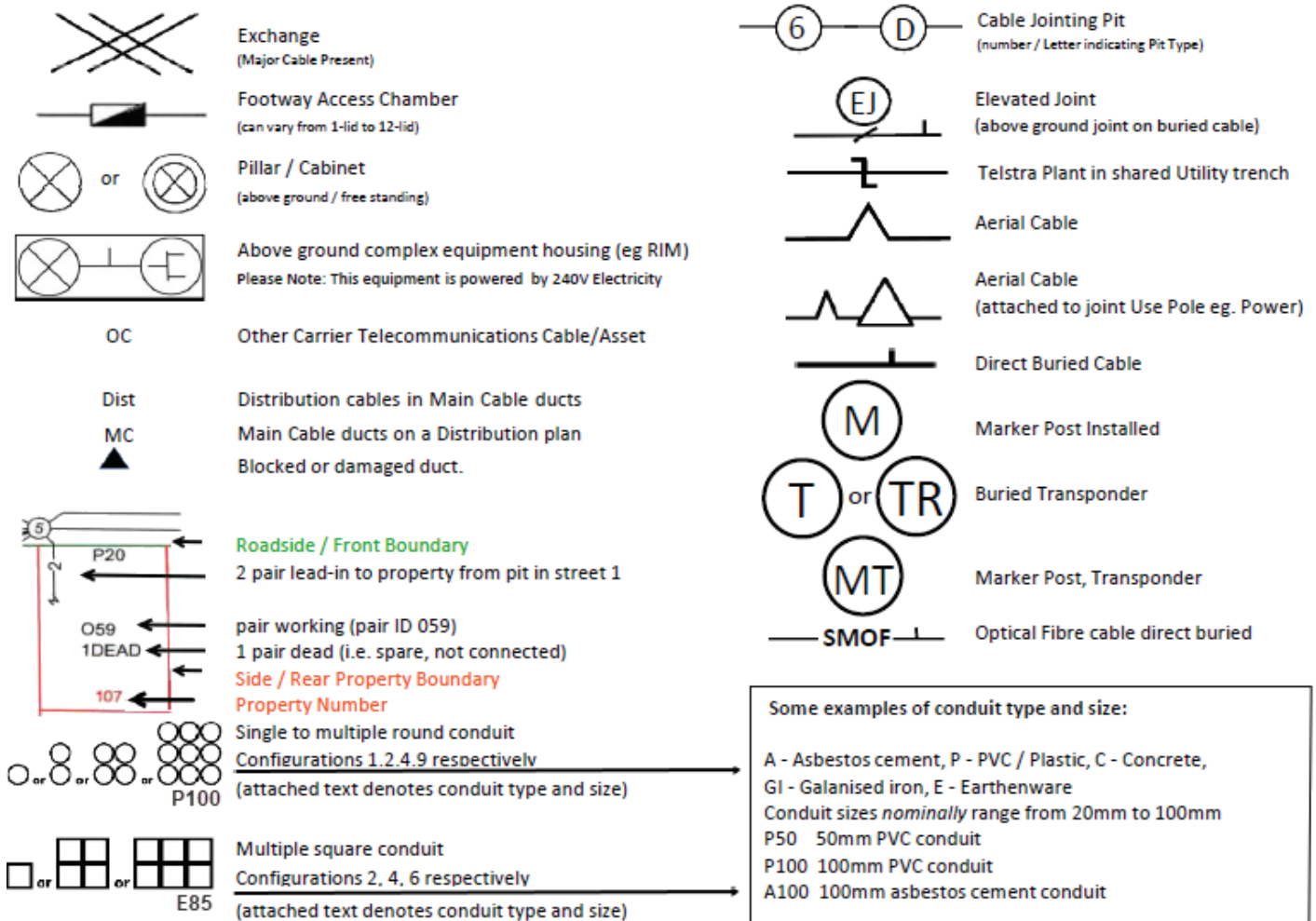
[illegible]

CAUTION: Fibre optic and/ or major network present in plot area. Please read the Duty of Care and contact Telstra Plan Services should you require any assistance.

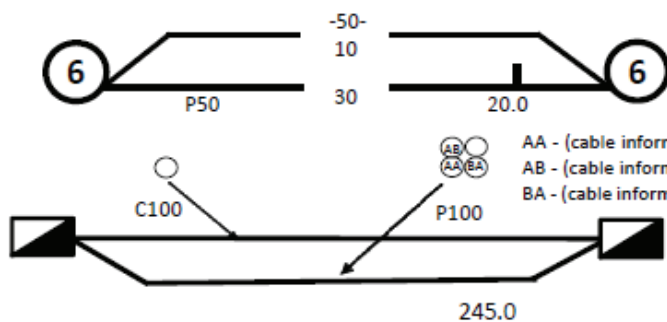
Generated On 20/08/2025 16:31:44

WARNING
Telstra plans and location information conform to Quality Level "D" of the Australian Standard AS 5488-Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D.
Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing it.
Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy.
Further on site investigation is required to validate the exact location of Telstra plant prior to commencing construction work.
A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works.

LEGEND



Some Examples of how to read Telstra Plans



One 50mm PVC conduit (P50) containing a 50-pair and a 10-pair cable between two 6-pits. approximately 20.0m apart, with a direct buried 30-pair cable along the same route

Two separate conduit runs between two footway access chambers (manholes) approximately 245m apart A nest of four 100mm PVC conduits (P100) containing assorted cables in three ducts (one being empty) and one empty 100mm concrete duct (C100) along

Protect our Network:

by maintaining the following distances from our assets:

- 1.0m Mechanical Excavators, Farm Ploughing, Tree Removal
- 500mm Vibrating Plate or Wacker Packer Compactor
- 600mm Heavy Vehicle Traffic (over 3 tonnes) not to be driven across Telstra ducts or plant.
- 1.0m Jackhammers/Pneumatic Breakers
- 2.0m Boring Equipment (in-line, horizontal and vertical)

For more info contact a [CERTLOC Certified Locating Organisation \(CLO\)](#) or
Telstra Location Intelligence Team 1800 653 935

Before you Dig Australia – BEST PRACTISE GUIDES

The five Ps of safe excavation

<https://www.byda.com.au/before-you-dig/best-practice-guides/>

OPENING ELECTRONIC MAP ATTACHMENTS –

Telstra Cable Plans are generated automatically in either PDF or DWF file types.

Dependent on the site address and the size of area selected. You may need to download and install free viewing software from the internet e.g.



DWF Map Files (all sizes over A3)

Autodesk Viewer (Internet Browser) <https://viewer.autodesk.com/> or Autodesk Design Review <http://usa.autodesk.com/design-review/> for DWF files. (Windows PC)



PDF Map Files (max size A3)

Adobe Acrobat Reader <http://get.adobe.com/reader/>



Telstra BYDA map related enquiries email Telstra.Plans@team.telstra.com
1800 653 935 (AEST Business Hours only)



REPORT ANY DAMAGE TO THE TELSTRA NETWORK IMMEDIATELY

Report online - <https://www.telstra.com.au/forms/report-damage-to-telstra-equipment>

Ph: 13 22 03

If you receive a message asking for a phone or account number say:

“I don’t have one” then say “Report Damage” then press 1 to speak to an operator.



Telstra New Connections / Disconnections

13 22 00



Telstra asset relocation enquiries: 1800 810 443 (AEST business hours only).

NetworkIntegrity@team.telstra.com

<https://www.telstra.com.au/consumer-advice/digging-construction>



Telstra Aerial Assets Group (overhead network)

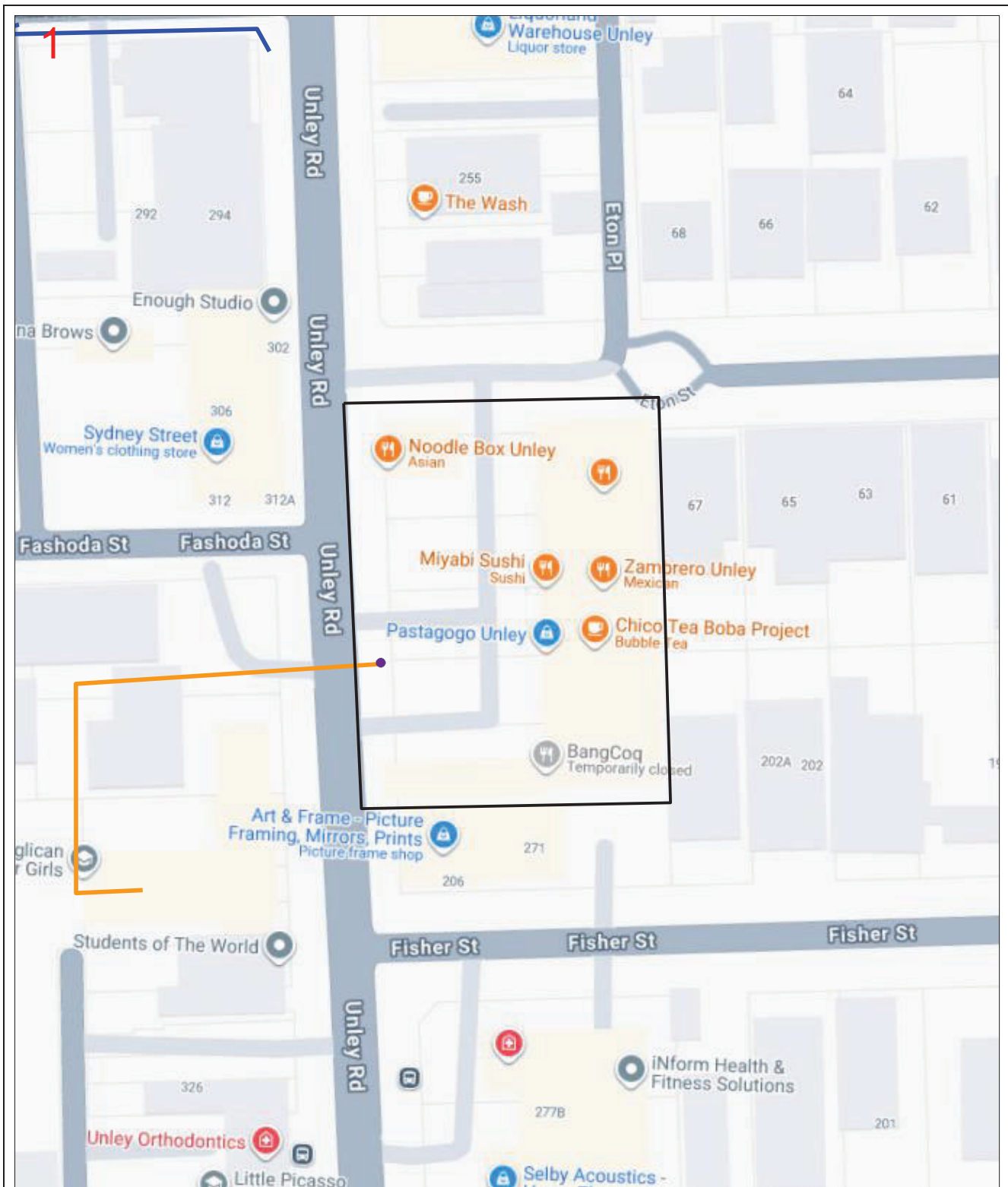
1800 047 909



CERTLOC Certified Locating Organisation (CLO)

certloc.com.au/locators/

Only Telstra authorised personnel and CERTLOC Locators can access Telstra’s Pit and Pipe Network.



Enquiry Number: 259862234

Map Sheet: 1

Scale: 1: 750

0 0.008km



LEGEND

BYDA Work Area



AAPT/PowerTel Pit



TransACT Pit



AAPT/PowerTel Duct



TransACT Duct



DDA Pit



SOUL Pattinson Telecoms Pit



DDA Duct



SOUL Pattinson Telecoms Duct



Agile/Adam Pit



PIPE Networks Pit



Agile/Adam Duct



PIPE Networks Duct



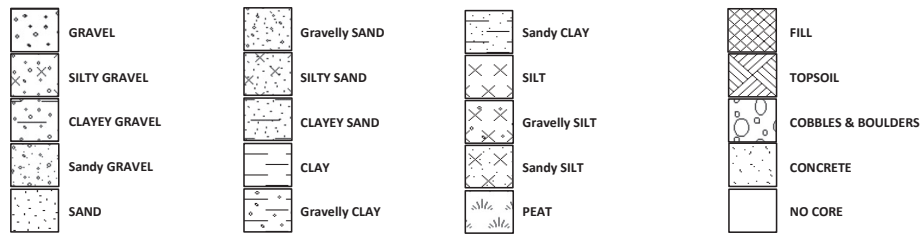
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APPENDIX H

SOIL BORE LOGS



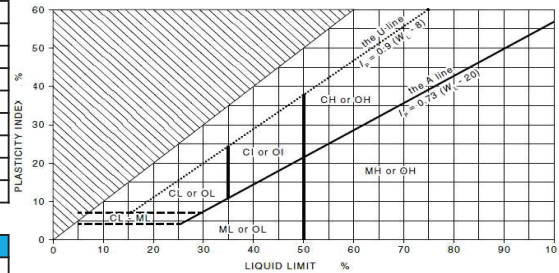
Explanatory Notes – Soil Description



GP	Poorly Graded Gravel	ML	Low Plasticity Silt
GW	Well Graded Gravel	MH	High Plasticity Silt
GM	Silty Gravel	CL	Low Plasticity Clay
GC	Clayey Gravel	CI	Medium Plasticity Clay
SP	Poorly Graded Sand	CH	High Plasticity Clay
SW	Well Graded Sand	OL	Organic Soils (LP)
SM	Silty Sand	OH	Organic Soils (HP)
SC	Clayey Sand	PT	Peat
	Fill		Cobbles & Boulders

Soil colours based on BGS Internal report IR/05/123 "A Revised scheme for coding un lithified deposits", 2006.

WATER	
	Groundwater (Strike)
	Groundwater (rise)



CLASSIFICATION AND INFERRED STRATIGRAPHY

Particle Size		
Major Division	Sub Division	Particle Size
Boulders		> 200 mm
Cobbles		63 to 200 mm
Gravel	Coarse	19 to 63 mm
	Medium	6.7 to 19 mm
	Fine	2.36 to 6.7 mm
Sand	Coarse	0.6 to 2.36 mm
	Medium	0.21 to 0.6 mm
	Fine	0.075 to 0.21 mm
Silt		0.002 to 0.075 mm
Clay		< 0.002 mm

SECONDARY/MINOR COMPONENTS	
TERMS FOR SANDS/GRAVELS (Less than 35% Particles < 0.075mm)	TERMS FOR CLAYS/SILTS (More than 35% Particles < 0.075mm)
trace... sand/gravel = <15% clay/silt = <5%	trace... sand/gravel = <15% clay/silt = <5%
with... sand/gravel = >15%, <30% clay/silt = >5%, <12%	with... sand/gravel = >15%, <30% clay/silt = >5%, <12%
Sandy... / Gravelly... >30%	Sandy... / Gravelly... >30%
Clayey... / Silty ... >12%	

MOISTURE CONDITION (Cohesionless Soils)

Symbol	Term	Description
D	Dry	Looks and feels dry. Cohesionless and free-running.
M	Moist	No free water on remoulding. Soil feels cool, darkened in colour. Soil tends to cohere.
W	Wet	Free water on remoulding. Soil feels cool, darkened in colour. Soil tends to cohere.

MOISTURE CONDITION (Cohesive Soils)

Symbol	Term	Description
<PL	Dry	Looks and feels dry. Hard and friable or powdery, well dry of the plastic limit.
=PL	Moist	Soil feels cool, darkened in colour. Soil can be moulded. Near plastic limit.
>PL	Wet	Soils feels cool, darkened in colour. Usually weakened and free water forms when remoulding. Wet of plastic limit.

DENSITY (Cohesionless Soils)

Sym.	Term	Density Index (%)	SPT 'N'
VL	Very Loose	Less than 15	0 to 4
L	Loose	15 to 35	4 to 10
MD	Medium Dense	35 to 65	10 to 30
D	Dense	65 to 85	30 to 50
VD	Very Dense	Above 85	Above 50

STIFFNESS (Cohesive Soils)

Sym.	Term	Undrained Shear Strength
VS	Very Soft	0 to 12 kPa
S	Soft	12 to 25 kPa
F	Firm	25 to 50 kPa
St	Stiff	50 to 100 kPa
VSt	Very Stiff	100 to 200 kPa
H	Hard	over 200kPa
Fr	Friable	-

SAMPLING AND LABORATORY / INSITU TESTING RESULTS

B	Bulk Disturbed Sample	U	Undisturbed Push-in Sample	CBR	California Bearing Ratio
BLK	Block Sample	W	Water Sample	UCS	Unconfined Compressive Strength
C	Core Sample	LL	Liquid Limit	PLI	Point Load Index
ES	Environmental Soil Sample	PI	Plasticity Index	N	SPT-N Value
p	Piston Sample	LS	Linear Shrinkage		

DRILLING/EXCAVATION METHOD

AC	Air Core	HA	Hand Auger	RC	Rotary Cored
ADH	Hollow Auger Drilling	HQ	Rotary Core 63.5mm	RO	Rotary Open Hole
AD/V	Auger with V-Bit	HQ3	Rotary Core 61.1mm	SPT	Standard Penetration Test
AD/T	Auger with TC-Bit	PQ3	Rotary Drill 83mm	TP	Test Pit
DPP	Direct Push Probe	PT	Push Tube	W	Wash Bore

BOREHOLE LOG - BH01

Client: Matter Consulting
 Project: 259-269 Unley Road Multistorey Building
 Location: 259-269 Unley Road, Malvern, SA 5061
 Project ID: ADL2025-0207
 Date: 29/07/2025



1:25 Sheet 1 of 3

Logged by: BN Position: E.281630m N.6129079m Plant used: Hanjin D & B 8
 Checked by: NTB Elevation: Contractor: Underdale Drillers OZ

Well	Groundwater	Samples & Insitu Tests		RL (m)	Depth (m)	Graphic Log	Material Description Soil Type, Plasticity or Particle Characteristics, Colour, Secondary and Minor Components	Moisture Condition	Consistency/ Relative Density	Dynamic Cone Penetrometer (Blows/100mm)			Structure & other observations
		Depth	Type & Results							5	10	15	
		0.0	Rinsate_01_29.0 7.25 ES				PAVERS (100mm)						0.00-0.10m: Pavers 0.10-1.00m: Fill
		0.0	Trip_Blank_01_2 9.07.25 ES				FILL: Calcareous Gravelly SAND: fine to coarse grained, pale brown, gravel; fine to coarse grained, sub-angular to sub-rounded, trace fines.						
		0.1-0.2	BH01_0.1_0.2m ES							8			
		0.4-0.5	BH01_0.4_0.5m (PFAS) ES					D	D	9			
		0.5-0.6	BH01_0.5_0.6m ES							9			
		0.6-0.7	DUP01 (BH01_0.5_0.6m) ES							10			
										8			
										9			
										10			
		1.0-1.1	BH01_1.0_1.1m ES		1		CH: CLAY: high plasticity, red-brown, trace sand.						1.00-6.00m: Pooraka Formation
		1.00	SPT: (3,3,6) N=9						St				
		1.70	PP=600kPa				CH: Calcareous CLAY: high plasticity, red-brown mottled pale brown, trace sand.						
		1.90	PP=600kPa										
		2.0-2.1	BH01_2.0_2.1m ES		2								
		2.10	PP=500kPa										
		2.30	PP=510kPa										
		2.50	SPT: (5,7,11) N=18										
		2.50	PP=500kPa						H				
		3.0-3.1	BH01_3.0_3.1m ES		3		CH: Calcareous CLAY: high plasticity, red-brown mottled pale brown and white, with gravel; fine to coarse grained, angular to sub-angular, trace sand.	<PL					
		3.00	PP=450kPa										
		3.2-3.5	Soil Aggressivity D										
		3.20	PP=450kPa										
		3.40	PP=440kPa										
		3.60	PP=410kPa										
		3.80	PP=400kPa										
		4.0-4.1	BH01_4.0_4.1m ES		4								
		4.00	SPT: (5,8,10) N=18										
		4.00	PP=340kPa										
		4.70	PP=380kPa				CH: CLAY: high plasticity, pale brown mottled white, trace sand, trace gravel, trace calcareous pockets.		VSt				
		4.90	PP=390kPa										
					5								

DCP/PSP Equipment Ref.: DCP_04 In Situ Vane Ref.: Pocket Penetrometer Equipment Ref.: PP_13

Termination Reason: Target Depth Reached

Remarks:

This report must be read in conjunction with accompanying notes and abbreviations.

BOREHOLE LOG - BH01

Client: Matter Consulting
 Project: 259-269 Unley Road Multistorey Building
 Location: 259-269 Unley Road, Malvern, SA 5061
 Project ID: ADL2025-0207
 Date: 29/07/2025



1:25 Sheet 2 of 3

Logged by: BN Position: E.281630m N.6129079m Plant used: Hanjin D & B 8
 Checked by: NTB Elevation: Contractor: Underdale Drillers OZ

Well	Groundwater	Samples & Insitu Tests		RL (m)	Depth (m)	Graphic Log	Material Description Soil Type, Plasticity or Particle Characteristics, Colour, Secondary and Minor Components	Moisture Condition	Consistency/ Relative Density	Dynamic Cone Penetrometer (Blows/100mm)			Structure & other observations
		Depth	Type & Results							5	10	15	
		5.0-5.1	BH01_5.0_5.1m ES				CH: CLAY: high plasticity, pale brown mottled white, trace sand, trace gravel, trace calcareous pockets.						
		5.10	PP=330kPa					<PL	VSt				
		5.30	PP=380kPa										
		5.50	PP=370kPa				NO CORE (Inferred CLAY)						5.50-6.00m: Core Loss due to equipment breakage
		6.0-6.5	BH01_U50_6.0_6.5 U50		6		CH: CLAY: high plasticity, orange-brown and grey, with sand; fine to coarse grained, trace gravel.						6.00-15.00m: Hindmarsh Clay
		6.00	SPT: (9,11,) N=R					≈PL					
		6.5-6.6	BH01_6.5_6.6m ES										
		6.70	PP=250kPa					>PL					
		6.90	PP=340kPa					≈PL					
		7.00	PP=360kPa		7								
								<PL					
		7.50	PP=290kPa										
		7.70	PP=220kPa										
		7.90	PP=250kPa										
		8.10	PP=270kPa		8		CI: CLAY: medium plasticity, orange-brown and grey mottled white, with sand; fine to coarse grained, trace gravel, with calcareous pockets.	≈PL	VSt				
		8.30	PP=280kPa										
		8.50	SPT: (10,16,17) N=33										
		8.50	PP=330kPa					<PL					
		9.0-9.8	PSD & Atterberg Limit D		9								
		9.00	PP=270kPa										
		9.20	PP=250kPa										
		9.40	PP=220kPa										
		9.60	PP=320kPa					≈PL					
		9.80	PP=300kPa										
		9.9-10.0	BH01_9.9_10.0m ES		10								

DCP/PSP Equipment Ref.: DCP_04 In Situ Vane Ref.: Pocket Penetrometer Equipment Ref.: PP_13
 Termination Reason: Target Depth Reached
 Remarks:
 This report must be read in conjunction with accompanying notes and abbreviations.

Client: Matter Consulting
Project: 259-269 Unley Road Multistorey Building
Location: 259-269 Unley Road, Malvern, SA 5061
Project ID: ADL2025-0207
Date: 29/07/2025



1:25 Sheet 3 of 3

Logged by: BN	Position: E.281630m N.6129079m
Checked by: NTB	Elevation:

Plant used: Hanjin D & B 8
Contractor: Underdale Drillers OZ

Well	Groundwater	Samples & Insitu Tests		RL (m)	Depth (m)	Graphic Log	Material Description Soil Type, Plasticity or Particle Characteristics, Colour, Secondary and Minor Components	Moisture Condition	Consistency/ Relative Density	Dynamic Cone Penetrometer (Blows/100mm)			Structure & other observations
		Depth	Type & Results							5	10	15	
▼		10.00	SPT: (4,10,15) N=25				Cl: CLAY: medium plasticity, orange-brown and grey mottled white, with sand; fine to coarse grained, trace gravel, with calcareous pockets.	<PL	VSt				
	10.00	PP=470kPa											
	10.50	PP=250kPa											
	10.70	PP=270kPa											
	10.90	PP=250kPa											
	11.10	PP=350kPa											
	11.30	PP=500kPa											
	11.50	SPT: (4,6,8) N=14											
	11.50	PP=560kPa											
	12.10	PP=150kPa											
	12.30	PP=250kPa											
	12.50	PP=190kPa											
	12.70	PP=270kPa											
	13.00	SPT: (10,19,24) N=43											
	14	14.10	PP=320kPa										
		14.30	PP=360kPa										
		14.50	SPT: (16,30/110mm) N=R										
		Borehole terminated at 15.00 m											

DCP/PSP Equipment Ref.: DCP_04

In Situ Vane Ref.:

Pocket Penetrometer Equipment Ref.: PP_13

Termination Reason: Target Depth Reached

Remarks:

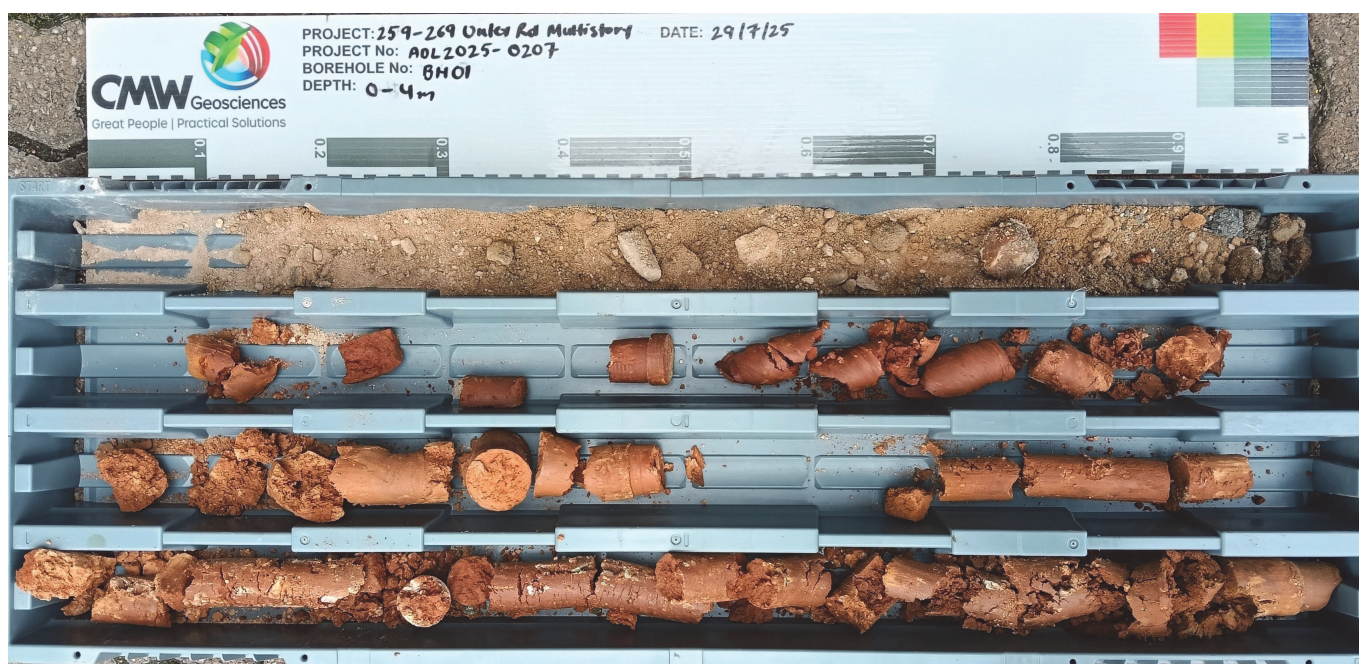
This report must be read in conjunction with accompanying notes and abbreviations.

PHOTOGRAPH SHEET - BH01

Client: Matter Consulting
Project: 259-269 Unley Road Multistorey Building
Location: 259-269 Unley Road, Malvern, SA 5061
Project ID: ADL2025-0207
Date: 29/07/2025



BH01_Site Photograph



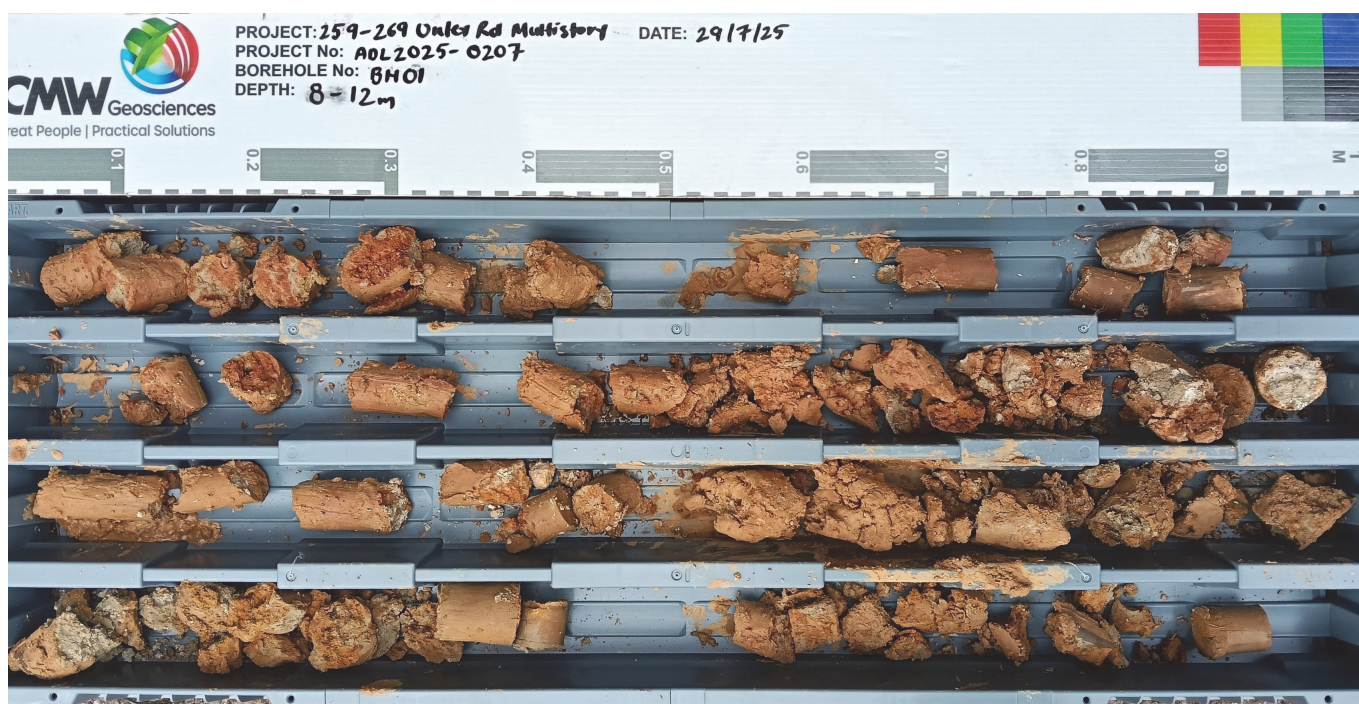
Core Photograph_BH01_0.0_4.0m

PHOTOGRAPH SHEET - BH01

Client: Matter Consulting
Project: 259-269 Unley Road Multistorey Building
Location: 259-269 Unley Road, Malvern, SA 5061
Project ID: ADL2025-0207
Date: 29/07/2025



Core Photograph_BH01_4.0_8.0m



Core Photograph_BH01_8.0_12.0m

PHOTOGRAPH SHEET - BH01

Client: Matter Consulting
Project: 259-269 Unley Road Multistorey Building
Location: 259-269 Unley Road, Malvern, SA 5061
Project ID: ADL2025-0207
Date: 29/07/2025



Core Photograph_BH01_12.0_15.0m

BOREHOLE LOG - BH02

Client: Matter Consulting
 Project: 259-269 Unley Road Multistorey Building
 Location: 259-269 Unley Road, Malvern, SA 5061
 Project ID: ADL2025-0207
 Date: 30/07/2025

Logged by: BN Position: E.281614m N.6129113m Plant used: Hanjin D & B 8
 Checked by: NTB Elevation: Contractor: Underdale Drillers OZ

Well	Groundwater	Samples & Insitu Tests		RL (m)	Depth (m)	Graphic Log	Material Description Soil Type, Plasticity or Particle Characteristics, Colour, Secondary and Minor Components	Moisture Condition	Consistency/ Relative Density	Dynamic Cone Penetrometer (Blows/100mm)			Structure & other observations
		Depth	Type & Results							5	10	15	
		0.0	Rinsate_02_30.0 7.25 ES				PAVERS (100mm)						0.00-0.10m: Pavers 0.10-0.70m: Fill
		0.0	Trip_Blank_02_3 0.07.25 ES				FILL: Calcareous SAND: fine to coarse grained, pale brown, with gravel; fine to medium grained, sub-angular, trace fines.	D to M	D				
		0.1-0.2	BH02_0.1_0.2m ES							10			
		0.2-0.3	BH02_0.2_0.3m (PFAS) ES				FILL: Calcareous Sandy CLAY: medium plasticity, brown mottled red, sand; fine to coarse grained, trace gravel, trace of brick fragments encountered.		F to St	8			0.70-5.50m: Pooraka Formation
		0.4-0.5	BH02_0.4_0.5m ES							9			
		0.5-0.6	DUP02 (BH02_0.5_0.6m) ES				CH: CLAY: high plasticity, red-brown, trace sand.			8			
		0.9-1.0	BH02_0.9_1.0m ES		1					9			
		0.90	PP=550kPa							8			
		1.00	SPT: (3,6,8) N=14										
		1.60	PP=430kPa				CH: Calcareous CLAY: high plasticity, pale red-brown mottled pale brown, trace sand.						
		1.80	PP=400kPa										
		1.9-2.0	BH02_1.9_2.0m ES		2								
		1.90	PP=450kPa										
		2.00	PP=400kPa										
		2.20	PP=500kPa										
		2.50	SPT: (6,9,12) N=21						H				
		2.9-3.0	BH02_2.9_3.0m ES		3								
		3.10	PP=600kPa										
		3.30	PP=600kPa										
		3.80	PP=600kPa				CH: CLAY: high plasticity, pale brown mottled white, trace sand, trace gravel.						
		3.9-4.0	BH02_3.9_4.0m ES		4								
		4.00	SPT: (5,7,11) N=18										
		4.50	PP=350kPa										
		4.70	PP=350kPa				CH: CLAY: high plasticity, pale brown mottled white, trace sand, trace gravel, trace calcareous pockets.		VSt				
		4.9-5.0	BH02_4.9_5.0m ES		5								

DCP/PSP Equipment Ref.: DCP_04 In Situ Vane Ref.: Pocket Penetrometer Equipment Ref.: PP_13

Termination Reason: Target Depth Reached

Remarks:

This report must be read in conjunction with accompanying notes and abbreviations.

BOREHOLE LOG - BH02

Client: Matter Consulting
 Project: 259-269 Unley Road Multistorey Building
 Location: 259-269 Unley Road, Malvern, SA 5061
 Project ID: ADL2025-0207
 Date: 30/07/2025



1:25 Sheet 2 of 4

Logged by: BN Position: E.281614m N.6129113m Plant used: Hanjin D & B 8
 Checked by: NTB Elevation: Contractor: Underdale Drillers OZ

Well	Groundwater	Samples & Insitu Tests		RL (m)	Depth (m)	Graphic Log	Material Description Soil Type, Plasticity or Particle Characteristics, Colour, Secondary and Minor Components	Moisture Condition	Consistency/ Relative Density	Dynamic Cone Penetrometer (Blows/100mm)			Structure & other observations
		Depth	Type & Results							5	10	15	
		4.90	PP=360kPa				CH: CLAY: high plasticity, pale brown mottled white, trace sand, trace gravel, trace calcareous pockets.						
		5.10	PP=380kPa										
		5.30	PP=380kPa										
		5.50	SPT: (5,10,13) N=23				CI: Calcareous CLAY: medium plasticity, orange-brown mottled white and grey-green, with sand, fine to coarse grained, trace gravel.						
		6.00	PP=280kPa		6			VSt					
		6.20	PP=260kPa										
		6.40	PP=260kPa					<PL					
		6.60	PP=280kPa										
		6.80	PP=580kPa										
		7.00	SPT: (7,13,15) N=28		7		CI: CLAY: medium plasticity, red-brown and grey-green mottled white, trace sand, trace gravel.						
		7.00	PP=600kPa					H					
		7.60	PP=600kPa										
		7.80	PP=520kPa										
		8.00	PP=300kPa		8			>PL	S				
		8.20	PP=350kPa					≈PL	VSt				
		8.30	PP=410kPa										
		8.50	SPT: (7,8,12) N=20										
		8.50	PP=600kPa					<PL	H				
		9.00	PP=560kPa		9								
		9.20	PP=290kPa					≈PL					
		9.40	PP=360kPa										
		9.60	PP=280kPa				CI: Calcareous CLAY: medium plasticity, red-brown and grey-green mottled white, trace sand, trace gravel.		VSt				
		9.80	PP=280kPa										
		9.9-10.0	BH02_9.9_10.0m ES		10								

DCP/PSP Equipment Ref.: DCP_04 In Situ Vane Ref.: Pocket Penetrometer Equipment Ref.: PP_13

Termination Reason: Target Depth Reached

Remarks:

This report must be read in conjunction with accompanying notes and abbreviations.

BOREHOLE LOG - BH02

Client: Matter Consulting
 Project: 259-269 Unley Road Multistorey Building
 Location: 259-269 Unley Road, Malvern, SA 5061
 Project ID: ADL2025-0207
 Date: 30/07/2025

Logged by: BN Position: E.281614m N.6129113m Plant used: Hanjin D & B 8
 Checked by: NTB Elevation: Contractor: Underdale Drillers OZ

Well	Groundwater	Samples & Insitu Tests		RL (m)	Depth (m)	Graphic Log	Material Description Soil Type, Plasticity or Particle Characteristics, Colour, Secondary and Minor Components	Moisture Condition	Consistency/ Relative Density	Dynamic Cone Penetrometer (Blows/100mm)			Structure & other observations
		Depth	Type & Results							5	10	15	
		10.00	SPT: (9,21,21) N=42				Cl: Calcareous CLAY: medium plasticity, red-brown and grey-green mottled white, trace sand, trace gravel.	<PL					
		10.50	PP=390kPa				Cl: CLAY: medium plasticity, red-brown and grey-green mottled white, trace sand, trace calcareous pockets.	≈PL					
		10.70	PP=340kPa										
		10.90	PP=350kPa										
		11.00	PP=250kPa		11								
		11.10	PP=180kPa										
		11.30	PP=350kPa										
		11.50	SPT: (8,10,14) N=24										
		11.50	PP=320kPa										
		12.00	PP=450kPa		12				VSt				
		12.20	PP=440kPa										
		12.40	PP=400kPa										
		12.60	PP=400kPa										
		12.80	PP=400kPa										
		13.00	SPT: (5,9,24) N=33		13		CH: CLAY: high plasticity, red-brown and grey-green mottled white, with sand; fine to coarse grained, trace gravel, trace calcareous pockets.						
		13.00	PP=550kPa										
		13.70	PP=410kPa										
		13.80	PP=250kPa										
					14		GC: Clayey GRAVEL: fine to coarse grained, angular to sub-angular, orange-brown mottled grey, clay; medium plasticity, with sand; fine to coarse grained.	M	D				
		14.50	SPT: (16,28,20) N=48				SC: Clayey SAND: fine to coarse grained, brown, clay; medium plasticity.						
							Cl: Sandy CLAY: medium plasticity, brown and grey, sand; fine to coarse grained, with gravel; fine to medium grained, sub-angular. trace calcareous pockets.		H				
		15.00	PP=430kPa		15								

DCP/PSP Equipment Ref.: DCP_04 In Situ Vane Ref.: Pocket Penetrometer Equipment Ref.: PP_13

Termination Reason: Target Depth Reached

Remarks:

This report must be read in conjunction with accompanying notes and abbreviations.

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1:25 Sheet 4 of 4

Plant used: Hanjin D & B 8
Contractor: Underdale Drillers OZ

Well	Groundwater	Samples & Insitu Tests		RL (m)	Depth (m)	Graphic Log	Material Description Soil Type, Plasticity or Particle Characteristics, Colour, Secondary and Minor Components	Moisture Condition	Consistency/ Relative Density	Dynamic Cone Penetrometer (Blows/100mm)			Structure & other observations
		Depth	Type & Results							5	10	15	
		15.20	PP=450kPa				CI: Sandy CLAY: medium plasticity, brown and grey, sand; fine to coarse grained, with gravel; fine to medium grained, sub-angular. trace calcareous pockets.	≈PL					
		15.40	PP=500kPa										
		15.6-15.7	BH02_15.6_15.7 m ES				CI: Calcareous CLAY: medium plasticity, orange-brown and grey-green mottled white, trace sand.		H				
		15.60	PP=600kPa										
		15.7-16.0	Soil Aggressivity D										
		15.80	PP=600kPa										
		16.00	SPT: (7,15,30) N=45		16		CH: CLAY: high plasticity, brown and grey-green, trace sand.	<PL					
		16.00	PP=600kPa										
		16.50	PP=150kPa										
		16.70	PP=130kPa										
		16.90	PP=150kPa										
		17.10	PP=140kPa		17			>PL	St				
		17.30	PP=190kPa										
		17.50	SPT: (11,16,20) N=36										
		18.00	PP=600kPa		18								
		18.20	PP=600kPa										
		18.40	PP=600kPa										
		18.5-19.0	PSD & Atterberg Limit ES					<PL	H				
		18.60	PP=600kPa										
		18.80	PP=600kPa										
		19.00	SPT: (7,13,25) N=38		19								
		19.9-20.0	BH02_19.9_20.0 m ES		20		SC: Clayey SAND: fine to coarse grained, red-brown, clay; medium plasticity.	M to W	D				

DCP/PSP Equipment Ref.: DCP_04		In Situ Vane Ref.:		Pocket Penetrometer Equipment Ref.: PP_13	
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Termination Reason: Target Depth Reached
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Remarks:

This report must be read in conjunction with accompanying notes and abbreviations.

PHOTOGRAPH SHEET - BH02

Client: Matter Consulting
Project: 259-269 Unley Road Multistorey Building
Location: 259-269 Unley Road, Malvern, SA 5061
Project ID: ADL2025-0207
Date: 30/07/2025



BH02_Site Photograph



Core Photograph_BH02_0.0_4.0m

PHOTOGRAPH SHEET - BH02

Client: Matter Consulting
Project: 259-269 Unley Road Multistorey Building
Location: 259-269 Unley Road, Malvern, SA 5061
Project ID: ADL2025-0207
Date: 30/07/2025



Core Photograph_BH02_4.0_8.0m



Core Photograph_BH02_8.0_12.0m

PHOTOGRAPH SHEET - BH02

Client: Matter Consulting
Project: 259-269 Unley Road Multistorey Building
Location: 259-269 Unley Road, Malvern, SA 5061
Project ID: ADL2025-0207
Date: 30/07/2025



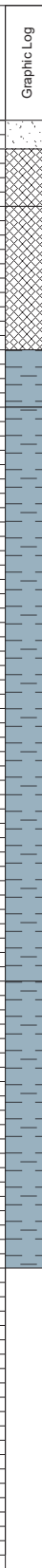
Core Photograph_BH02_12.0_16.0m



Core Photograph_BH02_16.0_20.0m

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1:25 Sheet 1 of 1

Logged by: BN		Position: E.281608m N.6129110m		Plant used: Hanjin D & B 8									
Checked by: NTB		Elevation:		Contractor: Underdale Drillers OZ									
Well	Groundwater	Samples & Insitu Tests		RL (m)	Depth (m)	Graphic Log	Material Description Soil Type, Plasticity or Particle Characteristics, Colour, Secondary and Minor Components	Moisture Condition	Consistency/ Relative Density	Dynamic Cone Penetrometer (Blows/100mm)			Structure & other observations
		Depth	Type & Results							5	10	15	
		0.3-0.4	BH03_0.3_0.4m ES		1		PAVERS (100mm)	D to M	D				0.00-0.10m: Pavers 0.10-0.80m: Fill <

PHOTOGRAPH SHEET - BH03

Client: Matter Consulting
Project: 259-269 Unley Road Multistorey Building
Location: 259-269 Unley Road, Malvern, SA 5061
Project ID: ADL2025-0207
Date: 30/07/2025



BH03_Site Photograph



Core Photograph_BH03_0.0_4.0m

APPENDIX I

LABORATORY CERTIFICATES AND CHAIN OF CUSTODY DOCUMENTATION



#1253743

LS 718



PROJECT INFORMATION

Date & Time Received: 31/07/25

Company: CMW/FYFE

Contact Details: Trm. H / Blowing. N

Project Name/site: _____

Project Number: ADL2025-0207

Sample IDs: _____

Sampling Date/s: _____

COC:

Attached ☐

E-mailed ☐

Not received ☐

Courier ☐

Temperature:

Attempt to chill: Y / **(N)**

14.7°C

Custody Seal: _____

Number of Eskies:

Last modified on: 30 January 2025	Approved on: 30 January 2025	Version: QS1039_R3
Last modified by: N. Richardson	Approved by: M. Makarios	Page 1 of 1
Editorial Committee: N. Richardson, V. Heredia, T. Lakeland, M. Makarios, F. Sanjaya		Next required review date: 30 January 2029



CHAIN OF CUSTODY RECORD

Envidial | Environment Testing | ABN 50 005 085 521



Sydney Laboratory
179 Magway Road Granville NSW 2096
02 9900 1400 Envirosamplesydney@envidial.com



Brisbane Laboratory
Unit 1 21 Smallwood Place Murrumbidgee QLD 4172
07 3902 4600 Envirosamplesbrisbane@envidial.com



Perth Laboratory
46-48 Barkara Road Wembley WA 6108
08 9253 4444 Samples@perthgroup.com.au



Melbourne Laboratory
6 Morteney Road Dandenong South VIC 3175
03 8564 5500 Envirosamplesmelbourne@envidial.com

Company	Fyle	Project No	82257-1	Project Manager	Tim Henderson	Sampler(s)	CMW
Address	124 South Terrace Adelaide, SA	Project Name	Unley Road	EDD Format ESoils, EQuTS etc	Facility Code	Handed over by	CMW
Contact Name	Tim Henderson	Analyses Where results are requested, please specify "Total" or "Filtered". SLITF code must be used to avoid SLITF prompts.	PAH	CHC	TRH/C6-C10/B/TEX	Email for Invoice accounts@envidial.com.au	Email for Results enviro.lab@envidial.com.au
Phone No	0403 581 953						
Special Directions							
Purchase Order	82257-1						
Quote ID No	23044FYFS						
No	Client Sample ID	Sampled Date/Time dd/mm/yyyy hh:mm	Matrix Solid (S) Water (W)			Containers Change container type & seal if necessary.	Required Turnaround Time (TAT) Default will be 5 days if not stated.
						Other (Asbestos AS4564, WA Guidelines)	*Surcharge will apply Overnight (reporting by 9am) ☐ Same day ☐ 1 day ☐ 2 days ☐ 3 days ☐ 5 days (Standard) ☐ Other()
1	BH01_0.1_0.2	29/07/25	Soil		1	1	
2	BH01_0.4_0.5	29/07/25	Soil				
3	BH01_0.5_0.6	29/07/25	Soil				
5	BH01_1.0_1.1	29/07/25	Soil				
6	BH01_2.0_2.1	29/07/25	Soil	1			
7	BH01_3.0_3.1	29/07/25	Soil				
8	BH01_4.0_4.1	29/07/25	Soil				
9	BH01_5.0_5.1	29/07/25	Soil				
	BH01_6.5_6.6	29/07/25	Soil	1			
	BH01_9.9_10.0	29/07/25	Soil				
	BH02_0.1_0.2	30/07/25	Soil		1	1	
	BH02_0.2_0.3	30/07/25	Soil	1	1		
	BH02_0.4_0.5	30/07/25	Soil				
	BH02_0.9_1.0	30/07/25	Soil				
	BH02_1.9_2.0	30/07/25	Soil				
	BH02_2.9_3.0	30/07/25	Soil				
	BH02_3.9_4.0	30/07/25	Soil				
	BH02_4.9_5.0	30/07/25	Soil				
	BH02_9.9_10.0	30/07/25	Soil	1			
	BH02_15.6_15.7	30/07/25	Soil				
	BH02_19.9_20.0	30/07/25	Soil	1			
	BH03_0.3_0.4	30/07/25	Soil				
	BH03_0.5_0.6	30/07/25	Soil	1		1	
	BH03_0.9_1.0	30/07/25	Soil		1		
	BH03_1.5_1.6	30/07/25	Soil				

Fw: Analysis Request - Unley Rd - CMW Ref ADL2015-0207

From Karl Bulow <Karl.Bulow@eurofinsanz.com>

Date Thu 14/8/25 12:57 PM

To SH_AU_CAU001_EnviroSampleVic <EnviroSampleVic@eurofinsanz.com>

Cc Tim Henderson <tim.henderson@fyfe.com.au>; Parimal Acharya <Parimal.Acharya@eurofinsanz.com>

 1 attachment (67 KB)

E82257-1_Unley Road_soil COC 070825.xlsm;

Verified Sender: This email is from an internal and/or verified domain which passed security verifications. Remember to still be cautious with personal data and follow company policies.

Hi Tim,

Yes, we will get this organised.

[@SH_AU_CAU001_EnviroSampleVic](#) - Please see attached COC for samples in Melbourne.

Kind Regards,

Karl Bulow
Analytical Services Manager

Eurofins | Environment Testing
6 Monterey Rd
Dandenong South, VIC, 3175

Mobile : 0477 574 867

Email : karl.bulow@eurofinsanz.com

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From: Tim Henderson <Tim.Henderson@fyfe.com.au>

Sent: Thursday, August 14, 2025 12:53 PM

To: Karl Bulow <Karl.Bulow@eurofinsanz.com>; Parimal Acharya <Parimal.Acharya@eurofinsanz.com>

Subject: Analysis Request - Unley Rd - CMW Ref ADL2015-0207

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi Karl, Parimal,

Hope all is well. Please find attached the analysis COC for some sample which would have been dropped off by CMW a week or so ago for a site on Unley Road. I assume they are already in Melbourne.

Sample will likely be labelled with CMWs reference # **ADL2015-0207**

I thought I had sent this request last week but it appears I did not – I can't seem to find an SRN.

Happy to discuss if easier.

Regards

Tim



Tim Henderson | Principal Environmental Scientist / Env Team Lead SA

Level 2, 124 South Terrace, Adelaide SA 5000

T +61 8 8201 9638 **E** Tim.Henderson@fyfe.com.au

M +61 419 024 493 **W** fyfe.com.au

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Eurofins Environment Testing Australia Pty Ltd

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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	1/21 Smallwood Place Murarie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079

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ABN: 91 05 0159 898

Perth
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Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Unit C1/4 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402

Sample Receipt Advice

Company name: Fyfe Earth Partners Pty Ltd SA
Contact name: Tim Henderson
Project name: Unley Road
Project ID: 82257-1
Turnaround time: 5 Day
Date/Time received: Aug 14, 2025 12:53 PM
Eurofins reference: 1253743

Sample Information

- ✓ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ✓ All samples have been received as described on the above COC.
- ✓ COC has been completed correctly.
- ✗ Attempt to chill was evident.
- ✓ Appropriately preserved sample containers have been used.
- ✓ All samples were received in good condition.
- ✓ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ✓ Appropriate sample containers have been used.
- ✓ Sample containers for volatile analysis received with zero headspace.
- ✗ Split sample sent to requested external lab.
- ✗ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

Notes

Sample BH02_9.9-10.0m not received. Extra sample BH01_14.9-15.0m on hold, please advise for testing.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Karl Bulow on phone : +61 3 8564 5000 or by email: Karl.Bulow@eurofinsanz.com

Results will be delivered electronically via email to Tim Henderson - tim.henderson@fyfe.com.au.

Note: A copy of these results will also be delivered to the general Fyfe Earth Partners Pty Ltd SA email address.

Fyfe Earth Partners
Level 1, 124 South Tce
Adelaide
SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025-Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: Tim Henderson
Report 1253743-AID
Project Name Unley Road
Project ID 82257-1
Received Date Aug 14, 2025
Date Reported Aug 20, 2025

Methodology:

Asbestos Fibre
 Identification

Conducted in accordance with the Australian Standard AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004 and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques.
NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.

Man-made vitreous
 fibre (MMVF)

Fibres exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and bio-soluble fibres. **NOTE:** previously known as "synthetic mineral fibre" (SMF). Simple analytical procedures such as polarised light microscopy cannot detect or reliably identify asbestos in some types of commercial products containing asbestos, either because the fibres are below the resolution of optical microscopy or because the matrix material adheres too strongly to the fibres. For these types of products, electron microscopy may be necessary.

Subsampling Soil
 Samples

The sample submitted is dried and passed through a 10 mm sieve followed by a 2 mm sieve. All fibrous matter greater than 10 mm and greater than 2 mm and the material passing through the 2 mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 g to 60 g, then a subsampling routine based on ISO 3082:2017(E) is employed.
NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be subsampled for trace analysis, in accordance with AS 5370:2024*.

Bonded asbestos-
 containing material
 (ACM)

The material is first examined, and any fibres are isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination. The resultant material is then further examined in accordance with AS 5370:2024*.
NOTE: Even after disintegration, it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.

Limit of Reporting
 (LOR)

The performance limitation of the AS 5370:2024* method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory limit of reporting, per se. Examination of large sample size (e.g., 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 5370:2024*, and hence, NATA Accreditation does not cover the performance of this service (non-NATA results are shown with an asterisk).
NOTE: NATA News March 2014, p.7, states in relation to AS 4964-2004: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos". This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.



Project Name Unley Road
Project ID 82257-1
Date Sampled Jul 30, 2025
Report 1253743-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
BH02_0.2-0.3m	25-Au0020240	Jul 30, 2025	Approximate Sample 60g Sample consisted of: Coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
BH03_0.5-0.6m	25-Au0020250	Jul 30, 2025	Approximate Sample 34g Sample consisted of: Fine-grained soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

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

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Melbourne	Aug 20, 2025	Indefinite

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email: EnviroSales@eurofinsanz.com

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle	Perth
6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Unit 1, 2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	1/21 Smallwood Place Murarie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Unley Road
Project ID: 82257-1

Order No.: 1253743
Report #: 08 8201 9600
Phone: 08 8201 9650
Fax:

Received: Aug 14, 2025 12:53 PM
Due: Aug 21, 2025
Priority: 5 Day
Contact Name: Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail							Melbourne Laboratory - NATA # 1261 Site # 1254										Per- and Polyfluoroalkyl Substances (PFASs) - Trace
External Laboratory																	
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID												
1	BH01_0.1-0.2m	Jul 29, 2025		Soil	M25-Au0020228											X	
2	BH01_0.4-0.5m	Jul 29, 2025		Soil	M25-Au0020229										X		
3	BH01_0.5-0.6m	Jul 29, 2025		Soil	M25-Au0020230												
4	BH01_1.0-1.1m	Jul 29, 2025		Soil	M25-Au0020231										X		
5	BH01_2.0-2.1m	Jul 29, 2025		Soil	M25-Au0020232									X			
6	BH01_3.0-3.1m	Jul 29, 2025		Soil	M25-Au0020233												
7	BH01_4.0-4.1m	Jul 29, 2025		Soil	M25-Au0020234									X			
8	BH01_5.0-5.1m	Jul 29, 2025		Soil	M25-Au0020235												
9	BH01_6.5-	Jul 29, 2025		Soil	M25-Au0020236										X		
Asbestos - AS4964*						X								X			
HOLD*						X											
Metals M8						X										X	
Suite B14: OCP/OPP						X											
Moisture Set						X								X			
SA Waste Screen						X								X			
Eurofins Suite B7						X											
Eurofins Suite B4						X											
Per- and Polyfluoroalkyl Substances (PFASs) - Trace						X											

web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Canberra Unit 1, 2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 1/21 Smallwood Place Murarie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554	Auckland 35 O'Rourke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327	Auckland (Focus) Unit C/14 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308	Christchurch 43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290	Tauranga 1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402
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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Unley Road
Project ID: 82257-1

Order No.: 1253743
Report #: 08 8201 9600
Phone: 08 8201 9650
Fax:

Received: Aug 14, 2025 12:53 PM
Due: Aug 21, 2025
Priority: 5 Day
Contact Name: Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail																			
Melbourne Laboratory - NATA # 1261 Site # 1254																			
	6.6m																		
10	BH01_9.9-10.0m	Jul 29, 2025						Soil		M25-Au0020237									Per- and Polyfluoroalkyl Substances (PFASs) - Trace
11	BH01_14.9-15.0m	Jul 29, 2025						Soil		M25-Au0020238									Eurofins Suite B4
12	BH02_0.1-0.2m	Jul 30, 2025						Soil		M25-Au0020239				X					Eurofins Suite B7
13	BH02_0.2-0.3m	Jul 30, 2025						Soil		M25-Au0020240				X					SA Waste Screen
14	BH02_0.4-0.5m	Jul 30, 2025						Soil		M25-Au0020241									Moisture Set
15	BH02_0.9-1.0m	Jul 30, 2025						Soil		M25-Au0020242									Suite B14: OCP/OPP
16	BH02_1.9-2.0m	Jul 30, 2025						Soil		M25-Au0020243									Metals M8
17	BH02_2.9-3.0m	Jul 30, 2025						Soil		M25-Au0020244									HOLD*
18	BH02_3.9-4.0m	Jul 30, 2025						Soil		M25-Au0020245									Asbestos - AS4964*
19	BH02_4.9-	Jul 30, 2025						Soil		M25-Au0020246									

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email: EnviroSales@eurofinsanz.com

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle	Perth
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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
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Project Name: Unley Road
Project ID: 82257-1

Order No.: 1253743
Report #: 08 8201 9600
Phone: 08 8201 9600
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Received: Aug 14, 2025 12:53 PM
Due: Aug 21, 2025
Priority: 5 Day
Contact Name: Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail										Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Eurofins Suite B4										X
Eurofins Suite B7										X
SA Waste Screen										X
Moisture Set										X
Suite B14: OCP/OPP										X
Metals M8										X
HOLD*										X
Asbestos - AS4964*										X
Melbourne Laboratory - NATA # 1261 Site # 1254										
19	BH02_4.9-5.0m	Jul 30, 2025	Soil					M25-Au0020246		
20	BH02_15.6-15.7m	Jul 30, 2025	Soil					M25-Au0020247	X	
21	BH02_19.9-20m	Jul 30, 2025	Soil					M25-Au0020248	X	
22	BH03_0.3-0.4m	Jul 30, 2025	Soil					M25-Au0020249	X	
23	BH03_0.5-0.6m	Jul 30, 2025	Soil					M25-Au0020250	X	X
24	BH03_0.9-1.0m	Jul 30, 2025	Soil					M25-Au0020251	X	
25	BH03_1.5-1.6m	Jul 30, 2025	Soil					M25-Au0020252	X	
26	BH03_2.5-2.6m	Jul 30, 2025	Soil					M25-Au0020253	X	
27	BH03_3.9-4.0m	Jul 30, 2025	Soil					M25-Au0020254	X	X
28	DUP_01	Jul 29, 2025	Soil					M25-Au0020255	X	
29	DUP_02	Jul 30, 2025	Soil					M25-Au0020256	X	

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report in **blue** indicates data provided by the customer that may impact the results.
5. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (% w/w)
F/ffd	Airborne fibre filter loading as Fibres (N) per Fields counted (n)
F/mL	Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (C)
g, kg	Mass, e.g. of whole sample (M) or asbestos-containing find within the sample (m)
g/kg	Concentration in grams per kilogram
L, mL	Volume, e.g. of air as measured in AFM (V = r x t)
L/min	Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (r)
min	Time (t), e.g. of air sample collection period

Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{d}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right)$

Asbestos Content (as asbestos): $\% w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \sum \frac{(m \times P_A)_x}{x}$

Terms

%Asbestos	Estimated percentage of asbestos in a given matrix may be derived from knowledge or experience of the material, informed by HSG264 <i>Appendix 2</i> , else assumed to be 15% in accordance with WA DOH <i>Appendix 2 (PA)</i> . This estimate is not NATA-accredited.
ACM	Asbestos Containing Materials. Asbestos in a non-asbestos matrix is typically presented in bonded (non friable) condition. For the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.
AF	Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material, such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to "non-bonded / friable".
AFM	Airborne Fibre Monitoring, e.g., by the MFM.
Amosite	Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
AS	Australian Standard.
Asbestos Content (as asbestos)	Total %w/w asbestos content in asbestos-containing finds in a soil sample (% w/w).
Chrysotile	Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
COC	Chain of Custody.
Crocidolite	Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
Dry	Sample is dried by heating before analysis.
DS	Dispersion Staining. The technique required for unequivocal identification of asbestos fibres by PLM.
FA	Fibrous Asbestos. Asbestos-containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material previously non-friable and severely degraded. For the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to distinguish visibly and may be assessed as AF.
Fibre Count	Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003
Fibre ID	Fibre Identification. Unequivocal identification of asbestos fibres according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess the degree of friability.
HSG248	UK HSE HSG248, <i>Asbestos: The Analysts Guide</i> , 2 nd Edition (2021), ISBN: 9780616667079.
HSG264	UK HSE HSG264, <i>Asbestos: The Survey Guide</i> (2012), ISBN: 9780717665020
ISO (also ISO/IEC)	International Organization for Standardization / International Electrotechnical Commission.
K Factor	Microscope constant (K) as derived from the effective filter area of the given AFM membrane used for collecting the sample (A) and the projected eyepiece graticule area of the specific microscope used for the analysis (a).
LOR	Limit of Reporting.
MFM (also NOHSC:3003)	Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, <i>Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres</i> , 2 nd Edition [NOHSC:3003(2005)].
MMVF	Man-Made Vitreous Fibre - exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and "bio-soluble fibres. NOTE: previously known as "synthetic mineral fibre" (SMF).
NEPM (also ASC NEPM)	National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).
Organic	Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified per AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
PCM	Phase Contrast Microscopy. This is used for fibre counting, according to the MFM.
PLM	Polarised Light Microscopy. It is used for fibre identification and residual analysis according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
Sampling	Unless otherwise stated, Eurofins are not responsible for sampling equipment or the sampling process.
SRA	Sample Receipt Advice.
Residual Analysis	An analytical procedure is used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly Trace Analysis in AS 4964-2004.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
Inconclusive	Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. It may include (but is not limited to) actinolite, anthophyllite, or tremolite asbestos. SEM/TEM is required for definitive identification.
WA DOH	Reference document for the NEPM. Government of Western Australia, <i>Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia</i> (updated 2021), including Appendix Four: <i>Laboratory analysis</i>
Weighted Average	Combined average %w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (% _{WA}).

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Hiren Patel Senior Analyst-Asbestos

Authorised by:

Zoe Burke Senior Analyst-Asbestos



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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Fyfe Earth Partners
Level 1, 124 South Tce
Adelaide
SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025 – Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: **Tim Henderson**

Report **1253743-S**
 Project name **Unley Road**
 Project ID **82257-1**
 Received Date **Aug 14, 2025**

Client Sample ID			BH01_0.1-0.2m	BH01_2.0-2.1m	BH01_6.5-6.6m	BH02_0.1-0.2m
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25- Au0020228	M25- Au0020232	M25- Au0020236	M25- Au0020239
Date Sampled			Jul 29, 2025	Jul 29, 2025	Jul 29, 2025	Jul 30, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	-
TRH C10-C14	20	mg/kg	< 20	< 20	-	-
TRH C15-C28	50	mg/kg	< 50	< 50	-	-
TRH C29-C36	50	mg/kg	< 50	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	< 20	-	-
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	< 50	< 50	-	-
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	< 0.5	-	-
TRH >C16-C34	100	mg/kg	< 100	< 100	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	-
4-Bromofluorobenzene (surr.)	1	%	63	50	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-

Client Sample ID			BH01_0.1-0.2m	BH01_2.0-2.1m	BH01_6.5-6.6m	BH02_0.1-0.2m
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Au0020228	M25-Au0020232	M25-Au0020236	M25-Au0020239
Date Sampled			Jul 29, 2025	Jul 29, 2025	Jul 29, 2025	Jul 30, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Fluorobiphenyl (surr.)	1	%	60	56	-	-
p-Terphenyl-d14 (surr.)	1	%	103	108	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Dibutylchloroendate (surr.)	1	%	59	76	-	56
Tetrachloro-m-xylene (surr.)	1	%	101	105	-	74
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Bolstar	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Coumaphos	2	mg/kg	< 2	-	-	< 2
Demeton-S	0.2	mg/kg	< 0.2	-	-	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	-	-	< 0.2
Diazinon	0.2	mg/kg	< 0.2	-	-	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	-	-	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	-	-	< 0.2

Client Sample ID			BH01_0.1-0.2m	BH01_2.0-2.1m	BH01_6.5-6.6m	BH02_0.1-0.2m
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Au0020228	M25-Au0020232	M25-Au0020236	M25-Au0020239
Date Sampled			Jul 29, 2025	Jul 29, 2025	Jul 29, 2025	Jul 30, 2025
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Disulfoton	0.2	mg/kg	< 0.2	-	-	< 0.2
EPN	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethion	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenthion	0.2	mg/kg	< 0.2	-	-	< 0.2
Malathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Merphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Monocrotophos	2	mg/kg	< 2	-	-	< 2
Naled	0.2	mg/kg	< 0.2	-	-	< 0.2
Omethoate	2	mg/kg	< 2	-	-	< 2
Phorate	0.2	mg/kg	< 0.2	-	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	-	-	< 0.2
Ronnel	0.2	mg/kg	< 0.2	-	-	< 0.2
Terbufos	0.2	mg/kg	< 0.2	-	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	-	-	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	-	-	< 0.2
Triphenylphosphate (surr.)	1	%	95	-	-	53
Heavy Metals						
Arsenic	2	mg/kg	3.4	2.9	3.9	3.5
Barium	10	mg/kg	-	91	-	-
Beryllium	2	mg/kg	-	< 2	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	55	36	51	35
Cobalt	5	mg/kg	-	8.5	-	-
Copper	5	mg/kg	13	11	22	18
Iron	20	mg/kg	-	28000	-	-
Lead	5	mg/kg	14	22	23	13
Manganese	5	mg/kg	-	180	-	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	0.1
Nickel	5	mg/kg	< 5	21	27	< 5
Silver	2	mg/kg	-	< 2	-	-
Zinc	5	mg/kg	27	38	54	27
Sample Properties						
% Moisture	1	%	5.3	18	25	9.1
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	-

Client Sample ID			BH01_0.1-0.2m	BH01_2.0-2.1m	BH01_6.5-6.6m	BH02_0.1-0.2m
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Au0020228	M25-Au0020232	M25-Au0020236	M25-Au0020239
Date Sampled			Jul 29, 2025	Jul 29, 2025	Jul 29, 2025	Jul 30, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	-
Total PCB*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchloredate (surr.)	1	%	-	76	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	105	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	-
2,4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
2,4,5-Trichlorophenol	1	mg/kg	-	< 1	-	-
2,4,6-Trichlorophenol	1	mg/kg	-	< 1	-	-
2,6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	-
Pentachlorophenol	1	mg/kg	-	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	-	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	-	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	< 20	-	-
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	< 5	-	-
2-Nitrophenol	1.0	mg/kg	-	< 1	-	-
2,4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	-
2,4-Dinitrophenol	5	mg/kg	-	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	-
Total cresols*	0.5	mg/kg	-	< 0.5	-	-
4-Nitrophenol	5	mg/kg	-	< 5	-	-
Dinoseb	20	mg/kg	-	< 20	-	-
Phenol	0.5	mg/kg	-	< 0.5	-	-
Phenol-d6 (surr.)	1	%	-	56	-	-
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	-	-
Chromium (hexavalent)	1	mg/kg	-	< 1	-	-
Chromium (trivalent)	5	mg/kg	-	36	-	-
Cyanide (total)	5	mg/kg	-	< 5	-	-

Client Sample ID			BH02_0.2-0.3m	BH02_19.9-20m	BH03_0.5-0.6m	BH03_3.9-4.0m
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Au0020240	M25-Au0020248	M25-Au0020250	M25-Au0020254
Date Sampled			Jul 30, 2025	Jul 30, 2025	Jul 30, 2025	Jul 30, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	< 50	-
TRH C29-C36	50	mg/kg	< 50	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	-

Client Sample ID			BH02_0.2-0.3m	BH02_19.9-20m	BH03_0.5-0.6m	BH03_3.9-4.0m
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Au0020240	M25-Au0020248	M25-Au0020250	M25-Au0020254
Date Sampled			Jul 30, 2025	Jul 30, 2025	Jul 30, 2025	Jul 30, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	< 50	-	< 50	-
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH >C16-C34	100	mg/kg	< 100	-	< 100	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	116	-	76	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	89	-	114	-
p-Terphenyl-d14 (surr.)	1	%	78	-	121	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	-
4,4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-HCH	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-HCH	0.05	mg/kg	-	-	< 0.05	-
d-HCH	0.05	mg/kg	-	-	< 0.05	-

Client Sample ID			BH02_0.2-0.3m	BH02_19.9-20m	BH03_0.5-0.6m	BH03_3.9-4.0m
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Au0020240	M25-Au0020248	M25-Au0020250	M25-Au0020254
Date Sampled			Jul 30, 2025	Jul 30, 2025	Jul 30, 2025	Jul 30, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxaphene	0.5	mg/kg	-	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchloredate (surr.)	1	%	-	-	125	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	112	-
Heavy Metals						
Arsenic	2	mg/kg	-	3.3	3.1	5.1
Barium	10	mg/kg	-	-	71	-
Beryllium	2	mg/kg	-	-	< 2	-
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	-	16	40	53
Cobalt	5	mg/kg	-	-	16	-
Copper	5	mg/kg	-	11	17	25
Iron	20	mg/kg	-	-	27000	-
Lead	5	mg/kg	-	16	30	31
Manganese	5	mg/kg	-	-	360	-
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	-	7.9	20	33
Silver	2	mg/kg	-	-	< 2	-
Zinc	5	mg/kg	-	23	31	58
Sample Properties						
% Moisture	1	%	7.8	13	18	16
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchloredate (surr.)	1	%	-	-	125	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	112	-

Client Sample ID			BH02_0.2-0.3m	BH02_19.9-20m	BH03_0.5-0.6m	BH03_3.9-4.0m
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Au0020240	M25-Au0020248	M25-Au0020250	M25-Au0020254
Date Sampled			Jul 30, 2025	Jul 30, 2025	Jul 30, 2025	Jul 30, 2025
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2,4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2,4,5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2,4,6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2,6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Tetrachlorophenols - Total	10	mg/kg	-	-	< 10	-
Total Halogenated Phenol*	1	mg/kg	-	-	< 1	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	-	< 20	-
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	-	< 5	-
2-Nitrophenol	1.0	mg/kg	-	-	< 1	-
2,4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2,4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-
Total cresols*	0.5	mg/kg	-	-	< 0.5	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
Dinoseb	20	mg/kg	-	-	< 20	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	119	-
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	-
Chromium (hexavalent)	1	mg/kg	-	-	< 1	-
Chromium (trivalent)	5	mg/kg	-	-	40	-
Cyanide (total)	5	mg/kg	-	-	< 5	-
PFASs Summations						
Sum (PFHxS + PFOS)*	0.1	ug/kg	-	-	< 0.1	-
Sum of PFASs (n=30)*	0.5	ug/kg	-	-	< 0.5	-
Sum of WA DWER PFAS (n=10)*	0.5	ug/kg	-	-	< 0.5	-
Perfluoroalkyl sulfonamido substances- Trace						
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
13C8-FOSA (surr.)	1	%	-	-	92	-
D3-N-MeFOSA (surr.)	1	%	-	-	118	-
D5-N-EtFOSA (surr.)	1	%	-	-	118	-
D7-N-MeFOSE (surr.)	1	%	-	-	85	-
D9-N-EtFOSE (surr.)	1	%	-	-	81	-
D5-N-EtFOSAA (surr.)	1	%	-	-	54	-
D3-N-MeFOSAA (surr.)	1	%	-	-	48	-

Client Sample ID			BH02_0.2-0.3m	BH02_19.9-20m	BH03_0.5-0.6m	BH03_3.9-4.0m
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M25-Au0020240	M25-Au0020248	M25-Au0020250	M25-Au0020254
Date Sampled			Jul 30, 2025	Jul 30, 2025	Jul 30, 2025	Jul 30, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs) - Trace						
Perfluorobutanoic acid (PFBA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
Perfluoropentanoic acid (PFPeA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorohexanoic acid (PFHxA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorooctanoic acid (PFOA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorononanoic acid (PFNA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorodecanoic acid (PFDA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorotridecanoic acid (PFTrDA) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
13C4-PFBA (surr.)	1	%	-	-	74	-
13C5-PFPeA (surr.)	1	%	-	-	86	-
13C5-PFHxA (surr.)	1	%	-	-	111	-
13C4-PFHpA (surr.)	1	%	-	-	85	-
13C8-PFOA (surr.)	1	%	-	-	119	-
13C5-PFNA (surr.)	1	%	-	-	96	-
13C6-PFDA (surr.)	1	%	-	-	88	-
13C2-PFUnDA (surr.)	1	%	-	-	91	-
13C2-PFDoDA (surr.)	1	%	-	-	85	-
13C2-PFTeDA (surr.)	1	%	-	-	82	-
Perfluoroalkyl sulfonic acids (PFSA)s- Trace						
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorononanesulfonic acid (PFNS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluoropropanesulfonic acid (PFPrS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
13C3-PFBS (surr.)	1	%	-	-	87	-
18O2-PFHxS (surr.)	1	%	-	-	95	-
13C8-PFOS (surr.)	1	%	-	-	96	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s- Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
13C2-4:2 FTSA (surr.)	1	%	-	-	142	-
13C2-6:2 FTSA (surr.)	1	%	-	-	172	-
13C2-8:2 FTSA (surr.)	1	%	-	-	135	-
13C2-10:2 FTSA (surr.)	1	%	-	-	129	-

Client Sample ID			DUP_03
Sample Matrix			Soil
Eurofins Sample No.			M25-Au0020257
Date Sampled			Jul 30, 2025
Test/Reference	LOR	Unit	
Total Recoverable Hydrocarbons			
TRH C6-C9	20	mg/kg	< 20
TRH C10-C14	20	mg/kg	< 20
TRH C15-C28	50	mg/kg	< 50
TRH C29-C36	50	mg/kg	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50
TRH C6-C10	20	mg/kg	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20
TRH >C10-C16	50	mg/kg	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	< 50
Naphthalene ^{N02}	0.5	mg/kg	< 0.5
TRH >C16-C34	100	mg/kg	< 100
TRH >C34-C40	100	mg/kg	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100
BTEX			
Benzene	0.1	mg/kg	< 0.1
Toluene	0.1	mg/kg	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2
o-Xylene	0.1	mg/kg	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3
4-Bromofluorobenzene (surr.)	1	%	97
Polycyclic Aromatic Hydrocarbons			
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2
Acenaphthene	0.5	mg/kg	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5
Anthracene	0.5	mg/kg	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5
Chrysene	0.5	mg/kg	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5
Fluorene	0.5	mg/kg	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5
Naphthalene	0.5	mg/kg	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5
Pyrene	0.5	mg/kg	< 0.5
Total PAH*	0.5	mg/kg	< 0.5
2-Fluorobiphenyl (surr.)	1	%	53
p-Terphenyl-d14 (surr.)	1	%	105
Organochlorine Pesticides			
Chlordanes - Total	0.1	mg/kg	< 0.1
4,4'-DDD	0.05	mg/kg	< 0.05
4,4'-DDE	0.05	mg/kg	< 0.05
4,4'-DDT	0.05	mg/kg	< 0.05

Client Sample ID			DUP_03
Sample Matrix			Soil
Eurofins Sample No.			M25-Au0020257
Date Sampled			Jul 30, 2025
Test/Reference	LOR	Unit	
Organochlorine Pesticides			
a-HCH	0.05	mg/kg	< 0.05
Aldrin	0.05	mg/kg	< 0.05
b-HCH	0.05	mg/kg	< 0.05
d-HCH	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-HCH (Lindane)	0.05	mg/kg	< 0.05
Heptachlor	0.05	mg/kg	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05
Toxaphene	0.5	mg/kg	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1
Dibutylchloroendate (surr.)	1	%	99
Tetrachloro-m-xylene (surr.)	1	%	99
Heavy Metals			
Arsenic	2	mg/kg	2.2
Barium	10	mg/kg	70
Beryllium	2	mg/kg	< 2
Cadmium	0.4	mg/kg	< 0.4
Chromium	5	mg/kg	31
Cobalt	5	mg/kg	15
Copper	5	mg/kg	15
Iron	20	mg/kg	21000
Lead	5	mg/kg	30
Manganese	5	mg/kg	350
Mercury	0.1	mg/kg	< 0.1
Nickel	5	mg/kg	15
Silver	2	mg/kg	< 2
Zinc	5	mg/kg	27
Sample Properties			
% Moisture	1	%	15
Volatile Organics			
Tetrachloroethene	0.5	mg/kg	< 0.5
Polychlorinated Biphenyls			
Aroclor-1016	0.1	mg/kg	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1

Client Sample ID			DUP_03
Sample Matrix			Soil
Eurofins Sample No.			M25-Au0020257
Date Sampled			Jul 30, 2025
Test/Reference	LOR	Unit	
Polychlorinated Biphenyls			
Aroclor-1254	0.1	mg/kg	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1
Total PCB*	0.1	mg/kg	< 0.1
Dibutylchloredate (surr.)	1	%	99
Tetrachloro-m-xylene (surr.)	1	%	99
Phenols (Halogenated)			
2-Chlorophenol	0.5	mg/kg	< 0.5
2,4-Dichlorophenol	0.5	mg/kg	< 0.5
2,4,5-Trichlorophenol	1	mg/kg	< 1
2,4,6-Trichlorophenol	1	mg/kg	< 1
2,6-Dichlorophenol	0.5	mg/kg	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1
Pentachlorophenol	1	mg/kg	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10
Total Halogenated Phenol*	1	mg/kg	< 1
Phenols (non-Halogenated)			
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	< 20
2-Methyl-4,6-dinitrophenol	5	mg/kg	< 5
2-Nitrophenol	1.0	mg/kg	< 1
2,4-Dimethylphenol	0.5	mg/kg	< 0.5
2,4-Dinitrophenol	5	mg/kg	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4
Total cresols*	0.5	mg/kg	< 0.5
4-Nitrophenol	5	mg/kg	< 5
Dinoseb	20	mg/kg	< 20
Phenol	0.5	mg/kg	< 0.5
Phenol-d6 (surr.)	1	%	58
Total Non-Halogenated Phenol*	20	mg/kg	< 20
Chromium (hexavalent)	1	mg/kg	< 1
Chromium (trivalent)	5	mg/kg	31
Cyanide (total)	5	mg/kg	< 5
PFASs Summations			
Sum (PFHxS + PFOS)*	0.1	ug/kg	< 0.1
Sum of PFASs (n=30)*	0.5	ug/kg	< 0.5
Sum of WA DWER PFAS (n=10)*	0.5	ug/kg	< 0.5
Perfluoroalkyl sulfonamido substances- Trace			
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.5	ug/kg	< 0.5
N-methylperfluoro-1-octane sulfonamide (N-MeFOA) ^{N11}	0.5	ug/kg	< 0.5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOA) ^{N11}	0.5	ug/kg	< 0.5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE) ^{N11}	0.5	ug/kg	< 0.5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE) ^{N11}	0.5	ug/kg	< 0.5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.5	ug/kg	< 0.5
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.5	ug/kg	< 0.5

Client Sample ID			DUP_03
Sample Matrix			Soil
Eurofins Sample No.			M25-Au0020257
Date Sampled			Jul 30, 2025
Test/Reference	LOR	Unit	
Perfluoroalkyl sulfonamido substances- Trace			
13C8-FOSA (surr.)	1	%	116
D3-N-MeFOSA (surr.)	1	%	132
D5-N-EtFOSA (surr.)	1	%	134
D7-N-MeFOSE (surr.)	1	%	109
D9-N-EtFOSE (surr.)	1	%	103
D5-N-EtFOSAA (surr.)	1	%	69
D3-N-MeFOSAA (surr.)	1	%	62
Perfluoroalkyl carboxylic acids (PFCAs) - Trace			
Perfluorobutanoic acid (PFBA) ^{N11}	0.5	ug/kg	< 0.5
Perfluoropentanoic acid (PFPeA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorohexanoic acid (PFHxA) ^{N11}	0.1	ug/kg	< 0.1
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorooctanoic acid (PFOA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorononanoic acid (PFNA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorodecanoic acid (PFDA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorotridecanoic acid (PFTTrDA) ^{N15}	0.1	ug/kg	< 0.1
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.1	ug/kg	< 0.1
13C4-PFBA (surr.)	1	%	90
13C5-PFPeA (surr.)	1	%	111
13C5-PFHxA (surr.)	1	%	112
13C4-PFHpA (surr.)	1	%	138
13C8-PFOA (surr.)	1	%	121
13C5-PFNA (surr.)	1	%	148
13C6-PFDA (surr.)	1	%	131
13C2-PFUnDA (surr.)	1	%	109
13C2-PFDoDA (surr.)	1	%	119
13C2-PFTeDA (surr.)	1	%	100
Perfluoroalkyl sulfonic acids (PFSA)- Trace			
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.1	ug/kg	< 0.1
Perfluorononanesulfonic acid (PFNS) ^{N15}	0.1	ug/kg	< 0.1
Perfluoropropanesulfonic acid (PFPrS) ^{N15}	0.1	ug/kg	< 0.1
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.1	ug/kg	< 0.1
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.1	ug/kg	< 0.1
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.1	ug/kg	< 0.1
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.1	ug/kg	< 0.1
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.1	ug/kg	< 0.1
13C3-PFBS (surr.)	1	%	122
18O2-PFHxS (surr.)	1	%	121
13C8-PFOS (surr.)	1	%	131
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.1	ug/kg	< 0.1
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA) ^{N11}	0.5	ug/kg	< 0.5
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.1	ug/kg	< 0.1
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N11}	0.1	ug/kg	< 0.1

Client Sample ID			DUP_03
Sample Matrix			Soil
Eurofins Sample No.			M25-Au0020257
Date Sampled			Jul 30, 2025
Test/Reference	LOR	Unit	
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace			
13C2-4:2 FTSA (surr.)	1	%	116
13C2-6:2 FTSA (surr.)	1	%	107
13C2-8:2 FTSA (surr.)	1	%	137
13C2-10:2 FTSA (surr.)	1	%	128

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

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

Description	Testing Site	Extracted	Holding Time
Eurofins Suite B4			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Aug 19, 2025	14 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Aug 19, 2025	14 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Aug 19, 2025	14 Days
BTEX - Method: LTM-ORG-2010 BTEX and Volatile TRH	Melbourne	Aug 19, 2025	14 Days
Polycyclic Aromatic Hydrocarbons - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Aug 19, 2025	14 Days
SA Waste Screen			
Organochlorine Pesticides - Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)	Melbourne	Aug 19, 2025	14 Days
SA Waste Metals : Metals M14SA - Method: LTM-MET-3030 by ICP-OES (hydride ICP-OES for Mercury)	Melbourne	Aug 19, 2025	28 Days
Volatile Organics - Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices (USEPA 8260)	Melbourne	Aug 19, 2025	7 Days
Polychlorinated Biphenyls - Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8082)	Melbourne	Aug 19, 2025	28 Days
Phenols (Halogenated) - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Aug 19, 2025	14 Days
Phenols (non-Halogenated) - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Aug 19, 2025	14 Days
Chromium (hexavalent) - Method: LTM-INO-4100 Hexavalent Chromium by Spectrometric detection	Melbourne	Aug 19, 2025	28 Days
Cyanide (total) - Method: LTM-INO-4020 Total Free WAD Cyanide by CFA	Melbourne	Aug 19, 2025	14 Days
Suite B14: OCP/OPP			
Organophosphorus Pesticides - Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS (USEPA 8270)	Melbourne	Aug 18, 2025	14 Days
Eurofins Suite B7			
Metals M8 - Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS	Melbourne	Aug 18, 2025	28 Days
% Moisture - Method: LTM-GEN-7080 Moisture	Melbourne	Aug 14, 2025	14 Days
Per- and Polyfluoroalkyl Substances (PFASs) - Trace			
Perfluoroalkyl sulfonamido substances- Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Aug 19, 2025	28 Days
Perfluoroalkyl carboxylic acids (PFCAs) - Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Aug 19, 2025	28 Days
Perfluoroalkyl sulfonic acids (PFSA)- Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Aug 19, 2025	28 Days
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Aug 19, 2025	28 Days

web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle	Perth
6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	1/21 Smallwood Place Murarie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Unley Road
Project ID: 82257-1

Order No.: 1253743
Report #: 08 8201 9600
Phone: 08 8201 9650
Fax:

Received: Aug 14, 2025 12:53 PM
Due: Aug 21, 2025
Priority: 5 Day
Contact Name: Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS4964*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	Eurofins Suite B4	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID									
1	BH01_0.1-0.2m	Jul 29, 2025		Soil	M25-Au0020228				X	X			X	
2	BH01_0.4-0.5m	Jul 29, 2025		Soil	M25-Au0020229		X			X				
3	BH01_0.5-0.6m	Jul 29, 2025		Soil	M25-Au0020230		X							
4	BH01_1.0-1.1m	Jul 29, 2025		Soil	M25-Au0020231		X							
5	BH01_2.0-2.1m	Jul 29, 2025		Soil	M25-Au0020232					X				
6	BH01_3.0-3.1m	Jul 29, 2025		Soil	M25-Au0020233		X							
7	BH01_4.0-4.1m	Jul 29, 2025		Soil	M25-Au0020234		X							
8	BH01_5.0-5.1m	Jul 29, 2025		Soil	M25-Au0020235		X							
9	BH01_6.5-	Jul 29, 2025		Soil	M25-Au0020236			X		X				



ABN: 50 005 085 521

ABN: 91 05 0159 898

NZBN: 9429046024954

Eurofins Environment Testing Australia Pty Ltd			Eurofins ARL Pty Ltd			Eurofins Environment Testing NZ Ltd		
Melbourne			Sydney			Perth		
6 Monterey Road	179 Magaween Road	Unit 1, 2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive	46-48 Banksia Road	35 O'Rourke Road	Unit C/14 Pacific Rise	43 Detroit Drive
Dandenong South	Girraween	Mitchell	Murrarie	Mayfield West	Welshpool	Penrose	Mount Wellington	Rolleston
VIC 3175	NSW 2145	ACT 2911	QLD 4172	NSW 2304	WA 6106	Auckland 1061	Auckland 1061	Christchurch 7675
+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448	+61 8 6253 4444	+64 9 526 4551	+64 9 525 0568	+64 3 343 5201
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 2377	IANZ# 1327	IANZ# 1308	IANZ# 1290
Site# 1254	Site# 18217	Site# 25403	Site# 20794 & 2780	Site# 25079	Site# 2370 & 2554			IANZ# 1402

web: www.eurofins.com.au
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Address: Level 1, 124 South Tce
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Received: Aug 14, 2025 12:53 PM
Due: Aug 21, 2025
Priority: 5 Day
Contact Name: Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail									
Melbourne Laboratory - NATA # 1261 Site # 1254									
	6.6m								
10	BH01_9.9-10.0m	Jul 29, 2025	Soil		M25-Au0020237				Per- and Polyfluoroalkyl Substances (PFASs) - Trace
11	BH01_14.9-15.0m	Jul 29, 2025	Soil		M25-Au0020238				Eurofins Suite B4
12	BH02_0.1-0.2m	Jul 30, 2025	Soil		M25-Au0020239		X		Eurofins Suite B7
13	BH02_0.2-0.3m	Jul 30, 2025	Soil		M25-Au0020240	X		X	SA Waste Screen
14	BH02_0.4-0.5m	Jul 30, 2025	Soil		M25-Au0020241		X		Moisture Set
15	BH02_0.9-1.0m	Jul 30, 2025	Soil		M25-Au0020242		X		Suite B14: OCP/OPP
16	BH02_1.9-2.0m	Jul 30, 2025	Soil		M25-Au0020243		X		Metals M8
17	BH02_2.9-3.0m	Jul 30, 2025	Soil		M25-Au0020244		X		HOLD*
18	BH02_3.9-4.0m	Jul 30, 2025	Soil		M25-Au0020245		X		Asbestos - AS4964*
19	BH02_4.9-	Jul 30, 2025	Soil		M25-Au0020246		X		

Company Name:

Fyfe Earth Partners Pty Ltd SA

Address:

Level 1, 124 South Tce

Adelaide

SA 5000

Project Name:

Unley Road

Project ID:

82257-1

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1253743

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08 8201 9600

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Received:

Aug 14, 2025 12:53 PM

Due:

Aug 21, 2025

Priority:

5 Day

Contact Name:

Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail										Asbestos - AS4964*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	Eurofins Suite B4	Per- and Polyfluoroalkyl Substances (PFASs) - Trace	
Melbourne Laboratory - NATA # 1261 Site # 1254																			
19	BH02_4.9-5.0m	Jul 30, 2025		Soil					M25-Au0020246	X	X	X	X	X	X	X	X	X	X
20	BH02_15.6-15.7m	Jul 30, 2025		Soil					M25-Au0020247			X							
21	BH02_19.9-20m	Jul 30, 2025		Soil					M25-Au0020248			X		X					
22	BH03_0.3-0.4m	Jul 30, 2025		Soil					M25-Au0020249			X							
23	BH03_0.5-0.6m	Jul 30, 2025		Soil					M25-Au0020250	X				X					X
24	BH03_0.9-1.0m	Jul 30, 2025		Soil					M25-Au0020251		X								
25	BH03_1.5-1.6m	Jul 30, 2025		Soil					M25-Au0020252		X								
26	BH03_2.5-2.6m	Jul 30, 2025		Soil					M25-Au0020253		X								
27	BH03_3.9-4.0m	Jul 30, 2025		Soil					M25-Au0020254			X		X					
28	DUP_01	Jul 29, 2025		Soil					M25-Au0020255		X								
29	DUP_02	Jul 30, 2025		Soil					M25-Au0020256		X								

Date Reported: Aug 20, 2025

Eurofins Environment Testing Australia Pty Ltd 6 Monterey Road, Dandenong South, VIC, Australia 3175
ABN : 50 005 085 521 Tel: +61 3 8564 5000

Page 17 of 35

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

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

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	mg/L: milligrams per litre	ppm: parts per million
µg/L: micrograms per litre	ppb: parts per billion	%: Percentage
org/100 mL: Organisms per 100 millilitres	NTU: Nephelometric Turbidity Units	MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	Colour: Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (<i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

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

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as 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 are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4,4'-DDD	mg/kg	< 0.05			0.05	Pass	
4,4'-DDE	mg/kg	< 0.05			0.05	Pass	
4,4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Volatile Organics							
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Cyanide (total)	mg/kg	< 5			5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Barium	mg/kg	< 10			10	Pass	
Beryllium	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Cobalt	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Iron	mg/kg	< 20			20	Pass	
Lead	mg/kg	< 5			5	Pass	
Manganese	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Silver	mg/kg	< 2			2	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4,5-Trichlorophenol	mg/kg	< 1			1	Pass	
2,4,6-Trichlorophenol	mg/kg	< 1			1	Pass	
2,6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4,6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1.0	Pass	
2,4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2,4-Dinitrophenol	mg/kg	< 5			5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Chromium (hexavalent)	mg/kg	< 1			1	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances- Trace							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 0.5			0.5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 0.5			0.5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 0.5			0.5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 0.5			0.5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 0.5			0.5	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 0.5			0.5	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs) - Trace							
Perfluorobutanoic acid (PFBA)	ug/kg	< 0.5			0.5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 0.1			0.1	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 0.1			0.1	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 0.1			0.1	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 0.1			0.1	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 0.1			0.1	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 0.1			0.1	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 0.1			0.1	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 0.1			0.1	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 0.1			0.1	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 0.1			0.1	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSA)s- Trace							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 0.1			0.1	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 0.1			0.1	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 0.1			0.1	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 0.1			0.1	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 0.1			0.1	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 0.1			0.1	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 0.1			0.1	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 0.1			0.1	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s- Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 0.1			0.1	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 0.5			0.5	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 0.1			0.1	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 0.1			0.1	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	97			70-130	Pass	
TRH C10-C14	%	82			70-130	Pass	
TRH C6-C10	%	95			70-130	Pass	
TRH >C10-C16	%	81			70-130	Pass	
Naphthalene	%	124			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	85			70-130	Pass	
Toluene	%	92			70-130	Pass	
Ethylbenzene	%	99			70-130	Pass	
m&p-Xylenes	%	101			70-130	Pass	
Xylenes - Total*	%	100			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	96			70-130	Pass	
Acenaphthylene	%	98			70-130	Pass	
Anthracene	%	121			70-130	Pass	
Benz(a)anthracene	%	111			70-130	Pass	
Benzo(a)pyrene	%	123			70-130	Pass	
Benzo(b&j)fluoranthene	%	89			70-130	Pass	
Benzo(g,h,i)perylene	%	122			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benzo(k)fluoranthene	%	92			70-130	Pass	
Chrysene	%	123			70-130	Pass	
Dibenz(a,h)anthracene	%	116			70-130	Pass	
Fluoranthene	%	129			70-130	Pass	
Fluorene	%	96			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	108			70-130	Pass	
Naphthalene	%	88			70-130	Pass	
Phenanthrene	%	129			70-130	Pass	
Pyrene	%	96			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	92			70-130	Pass	
4,4'-DDD	%	130			70-130	Pass	
4,4'-DDE	%	117			70-130	Pass	
4,4'-DDT	%	97			70-130	Pass	
a-HCH	%	107			70-130	Pass	
Aldrin	%	115			70-130	Pass	
b-HCH	%	87			70-130	Pass	
d-HCH	%	119			70-130	Pass	
Dieldrin	%	111			70-130	Pass	
Endosulfan I	%	112			70-130	Pass	
Endosulfan II	%	110			70-130	Pass	
Endosulfan sulphate	%	101			70-130	Pass	
Endrin	%	120			70-130	Pass	
Endrin aldehyde	%	81			70-130	Pass	
Endrin ketone	%	91			70-130	Pass	
g-HCH (Lindane)	%	106			70-130	Pass	
Heptachlor	%	100			70-130	Pass	
Heptachlor epoxide	%	122			70-130	Pass	
Hexachlorobenzene	%	104			70-130	Pass	
Methoxychlor	%	112			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	110			70-130	Pass	
Dimethoate	%	99			70-130	Pass	
Ethion	%	111			70-130	Pass	
Fenitrothion	%	103			70-130	Pass	
Methyl parathion	%	127			70-130	Pass	
Mevinphos	%	96			70-130	Pass	
LCS - % Recovery							
Cyanide (total)	%	108			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	108			80-120	Pass	
Barium	%	110			80-120	Pass	
Beryllium	%	114			80-120	Pass	
Cadmium	%	101			80-120	Pass	
Chromium	%	111			80-120	Pass	
Cobalt	%	108			80-120	Pass	
Copper	%	110			80-120	Pass	
Iron	%	113			80-120	Pass	
Lead	%	114			80-120	Pass	
Manganese	%	114			80-120	Pass	
Mercury	%	106			80-120	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Nickel	%	109			80-120	Pass	
Silver	%	85			80-120	Pass	
Zinc	%	107			80-120	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1260	%	87			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	109			25-140	Pass	
2,4-Dichlorophenol	%	86			25-140	Pass	
2,4,5-Trichlorophenol	%	74			25-140	Pass	
2,4,6-Trichlorophenol	%	87			25-140	Pass	
2,6-Dichlorophenol	%	108			25-140	Pass	
4-Chloro-3-methylphenol	%	97			25-140	Pass	
Pentachlorophenol	%	62			25-140	Pass	
Tetrachlorophenols - Total	%	31			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	%	37			25-140	Pass	
2-Methyl-4,6-dinitrophenol	%	37			25-140	Pass	
2-Nitrophenol	%	100			25-140	Pass	
2,4-Dimethylphenol	%	113			25-140	Pass	
2,4-Dinitrophenol	%	34			25-140	Pass	
2-Methylphenol (o-Cresol)	%	106			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	57			25-140	Pass	
4-Nitrophenol	%	60			25-140	Pass	
Dinoseb	%	64			25-140	Pass	
Phenol	%	106			25-140	Pass	
LCS - % Recovery							
Chromium (hexavalent)	%	102			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances- Trace							
Perfluorooctane sulfonamide (FOSA)	%	107			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	115			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	112			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	107			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	104			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	101			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	103			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs) - Trace							
Perfluorobutanoic acid (PFBA)	%	112			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	109			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	105			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	112			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	124			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	101			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	104			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	129			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	104			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	96			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	98			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSA)- Trace							

Test				Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorobutanesulfonic acid (PFBS)				%	103			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)				%	98			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)				%	100			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)				%	102			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)				%	113			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)				%	93			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)				%	99			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)				%	97			50-150	Pass	
LCS - % Recovery										
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace										
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)				%	94			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)				%	99			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)				%	100			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)				%	111			50-150	Pass	
Test	Lab Sample ID	QA Source		Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery										
Total Recoverable Hydrocarbons					Result 1					
TRH C6-C9	M25-Au0044229	NCP		%	108			70-130	Pass	
TRH C10-C14	M25-Au0040472	NCP		%	72			70-130	Pass	
TRH C6-C10	M25-Au0044229	NCP		%	96			70-130	Pass	
TRH >C10-C16	M25-Au0040472	NCP		%	73			70-130	Pass	
Naphthalene	M25-Au0044666	NCP		%	88			70-130	Pass	
Spike - % Recovery										
BTEX					Result 1					
Benzene	M25-Au0044229	NCP		%	84			70-130	Pass	
Toluene	M25-Au0044229	NCP		%	89			70-130	Pass	
Ethylbenzene	M25-Au0044229	NCP		%	88			70-130	Pass	
m&p-Xylenes	M25-Au0044229	NCP		%	92			70-130	Pass	
o-Xylene	M25-Au0044229	NCP		%	93			70-130	Pass	
Xylenes - Total*	M25-Au0044229	NCP		%	92			70-130	Pass	
Spike - % Recovery										
Polycyclic Aromatic Hydrocarbons					Result 1					
Acenaphthene	M25-Au0020228	CP		%	72			70-130	Pass	
Acenaphthylene	M25-Au0020228	CP		%	70			70-130	Pass	
Anthracene	M25-Au0020228	CP		%	100			70-130	Pass	
Benz(a)anthracene	M25-Au0020228	CP		%	81			70-130	Pass	
Benzo(a)pyrene	M25-Au0020228	CP		%	95			70-130	Pass	
Benzo(b&i)fluoranthene	M25-Au0020228	CP		%	99			70-130	Pass	
Benzo(g,h,i)perylene	M25-Au0020228	CP		%	80			70-130	Pass	
Benzo(k)fluoranthene	M25-Au0020228	CP		%	99			70-130	Pass	
Chrysene	M25-Au0020228	CP		%	87			70-130	Pass	
Dibenz(a,h)anthracene	M25-Au0020228	CP		%	81			70-130	Pass	
Fluoranthene	M25-Au0020228	CP		%	105			70-130	Pass	
Fluorene	M25-Au0020228	CP		%	104			70-130	Pass	
Indeno(1,2,3-cd)pyrene	M25-Au0020228	CP		%	82			70-130	Pass	
Naphthalene	M25-Au0020228	CP		%	93			70-130	Pass	
Phenanthrene	M25-Au0020228	CP		%	102			70-130	Pass	
Pyrene	M25-Au0020228	CP		%	78			70-130	Pass	
Spike - % Recovery										
Organochlorine Pesticides					Result 1					
Chlordanes - Total	M25-Au0020228	CP		%	86			70-130	Pass	
4,4'-DDD	M25-Au0020228	CP		%	103			70-130	Pass	
4,4'-DDE	M25-Au0020228	CP		%	104			70-130	Pass	
4,4'-DDT	M25-Au0020228	CP		%	71			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
a-HCH	M25-Au0020228	CP	%	98			70-130	Pass	
Aldrin	M25-Au0020228	CP	%	106			70-130	Pass	
b-HCH	M25-Au0020228	CP	%	114			70-130	Pass	
d-HCH	M25-Au0020228	CP	%	103			70-130	Pass	
Dieldrin	M25-Au0020228	CP	%	110			70-130	Pass	
Endosulfan I	M25-Au0020228	CP	%	105			70-130	Pass	
Endosulfan II	M25-Au0020228	CP	%	97			70-130	Pass	
Endosulfan sulphate	M25-Au0020228	CP	%	92			70-130	Pass	
Endrin	M25-Au0020228	CP	%	91			70-130	Pass	
Endrin aldehyde	M25-Au0020228	CP	%	88			70-130	Pass	
Endrin ketone	M25-Au0020228	CP	%	104			70-130	Pass	
g-HCH (Lindane)	M25-Au0020228	CP	%	101			70-130	Pass	
Heptachlor	M25-Au0020228	CP	%	74			70-130	Pass	
Heptachlor epoxide	M25-Au0020228	CP	%	105			70-130	Pass	
Hexachlorobenzene	M25-Au0020228	CP	%	95			70-130	Pass	
Methoxychlor	M25-Au0020228	CP	%	85			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	M25-Au0020228	CP	%	76			70-130	Pass	
Dimethoate	M25-Au0020228	CP	%	78			70-130	Pass	
Ethion	M25-Au0020228	CP	%	96			70-130	Pass	
Fenitrothion	M25-Au0020228	CP	%	85			70-130	Pass	
Methyl parathion	M25-Au0020228	CP	%	95			70-130	Pass	
Mevinphos	M25-Au0020228	CP	%	100			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	M25-Au0020228	CP	%	87			70-130	Pass	
Aroclor-1260	M25-Au0020228	CP	%	95			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	M25-Au0020228	CP	%	64			30-130	Pass	
2,4-Dichlorophenol	M25-Au0020228	CP	%	52			30-130	Pass	
2,4,5-Trichlorophenol	M25-Au0020228	CP	%	50			30-130	Pass	
2,4,6-Trichlorophenol	M25-Au0020228	CP	%	50			30-130	Pass	
2,6-Dichlorophenol	M25-Au0020228	CP	%	51			30-130	Pass	
4-Chloro-3-methylphenol	M25-Au0020228	CP	%	34			30-130	Pass	
Pentachlorophenol	M25-Au0020228	CP	%	50			30-130	Pass	
Tetrachlorophenols - Total	M25-Au0020228	CP	%	34			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4,6-dinitrophenol	M25-Au0020228	CP	%	41			30-130	Pass	
2-Methyl-4,6-dinitrophenol	M25-Au0020228	CP	%	37			30-130	Pass	
2-Nitrophenol	M25-Au0020228	CP	%	51			30-130	Pass	
2,4-Dimethylphenol	M25-Au0020228	CP	%	69			30-130	Pass	
2,4-Dinitrophenol	M25-Au0020228	CP	%	50			30-130	Pass	
2-Methylphenol (o-Cresol)	M25-Au0020228	CP	%	56			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	M25-Au0020228	CP	%	54			30-130	Pass	
4-Nitrophenol	M25-Au0020228	CP	%	34			30-130	Pass	
Dinoseb	M25-Au0020228	CP	%	45			30-130	Pass	
Phenol	M25-Au0020228	CP	%	47			30-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	M25-Au0020232	CP	%	79			70-130	Pass	
Acenaphthylene	M25-Au0020232	CP	%	77			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Anthracene	M25-Au0020232	CP	%	87			70-130	Pass	
Benz(a)anthracene	M25-Au0020232	CP	%	87			70-130	Pass	
Benzo(a)pyrene	M25-Au0020232	CP	%	96			70-130	Pass	
Benzo(b&j)fluoranthene	M25-Au0020232	CP	%	73			70-130	Pass	
Benzo(g,h,i)perylene	M25-Au0020232	CP	%	98			70-130	Pass	
Benzo(k)fluoranthene	M25-Au0020232	CP	%	74			70-130	Pass	
Chrysene	M25-Au0020232	CP	%	96			70-130	Pass	
Dibenz(a,h)anthracene	M25-Au0020232	CP	%	92			70-130	Pass	
Fluoranthene	M25-Au0020232	CP	%	85			70-130	Pass	
Fluorene	M25-Au0020232	CP	%	78			70-130	Pass	
Indeno(1,2,3-cd)pyrene	M25-Au0020232	CP	%	87			70-130	Pass	
Naphthalene	M25-Au0020232	CP	%	99			70-130	Pass	
Phenanthrene	M25-Au0020232	CP	%	94			70-130	Pass	
Pyrene	M25-Au0020232	CP	%	95			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	M25-Au0020232	CP	%	87			70-130	Pass	
4,4'-DDD	M25-Au0020232	CP	%	97			70-130	Pass	
4,4'-DDE	M25-Au0020232	CP	%	95			70-130	Pass	
4,4'-DDT	M25-Au0020232	CP	%	92			70-130	Pass	
a-HCH	M25-Au0020232	CP	%	99			70-130	Pass	
Aldrin	M25-Au0020232	CP	%	101			70-130	Pass	
b-HCH	M25-Au0020232	CP	%	76			70-130	Pass	
d-HCH	M25-Au0020232	CP	%	101			70-130	Pass	
Dieldrin	M25-Au0020232	CP	%	101			70-130	Pass	
Endosulfan I	M25-Au0020232	CP	%	104			70-130	Pass	
Endosulfan II	M25-Au0020232	CP	%	96			70-130	Pass	
Endosulfan sulphate	M25-Au0020232	CP	%	89			70-130	Pass	
Endrin	M25-Au0020232	CP	%	91			70-130	Pass	
Endrin aldehyde	M25-Au0020232	CP	%	92			70-130	Pass	
Endrin ketone	M25-Au0020232	CP	%	103			70-130	Pass	
g-HCH (Lindane)	M25-Au0020232	CP	%	99			70-130	Pass	
Heptachlor	M25-Au0020232	CP	%	75			70-130	Pass	
Heptachlor epoxide	M25-Au0020232	CP	%	101			70-130	Pass	
Hexachlorobenzene	M25-Au0020232	CP	%	96			70-130	Pass	
Methoxychlor	M25-Au0020232	CP	%	97			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	M25-Au0020232	CP	%	78			70-130	Pass	
Dimethoate	M25-Au0020232	CP	%	83			70-130	Pass	
Ethion	M25-Au0020232	CP	%	93			70-130	Pass	
Fenitrothion	M25-Au0020232	CP	%	87			70-130	Pass	
Methyl parathion	M25-Au0020232	CP	%	94			70-130	Pass	
Mevinphos	M25-Au0020232	CP	%	110			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Barium	M25-Au0046219	NCP	%	93			75-125	Pass	
Cobalt	M25-Au0041481	NCP	%	116			75-125	Pass	
Iron	M25-Au0049160	NCP	%	100			75-125	Pass	
Manganese	M25-Au0046219	NCP	%	96			75-125	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	M25-Au0020232	CP	%	89			70-130	Pass	
Aroclor-1260	M25-Au0020232	CP	%	84			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery								
Phenols (Halogenated)				Result 1				
2-Chlorophenol	M25-Au0020232	CP	%	63		30-130	Pass	
2,4-Dichlorophenol	M25-Au0020232	CP	%	53		30-130	Pass	
2,4,5-Trichlorophenol	M25-Au0020232	CP	%	36		30-130	Pass	
2,4,6-Trichlorophenol	M25-Au0020232	CP	%	49		30-130	Pass	
2,6-Dichlorophenol	M25-Au0020232	CP	%	63		30-130	Pass	
4-Chloro-3-methylphenol	M25-Au0020232	CP	%	55		30-130	Pass	
Pentachlorophenol	M25-Au0020232	CP	%	53		30-130	Pass	
Tetrachlorophenols - Total	M25-Au0020232	CP	%	38		30-130	Pass	
Spike - % Recovery								
Phenols (non-Halogenated)				Result 1				
2-Cyclohexyl-4,6-dinitrophenol	M25-Au0020232	CP	%	38		30-130	Pass	
2-Methyl-4,6-dinitrophenol	M25-Au0020232	CP	%	42		30-130	Pass	
2-Nitrophenol	M25-Au0020232	CP	%	55		30-130	Pass	
2,4-Dimethylphenol	M25-Au0020232	CP	%	76		30-130	Pass	
2,4-Dinitrophenol	M25-Au0020232	CP	%	51		30-130	Pass	
2-Methylphenol (o-Cresol)	M25-Au0020232	CP	%	62		30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	M25-Au0020232	CP	%	33		30-130	Pass	
4-Nitrophenol	M25-Au0020232	CP	%	36		30-130	Pass	
Dinoseb	M25-Au0020232	CP	%	32		30-130	Pass	
Phenol	M25-Au0020232	CP	%	61		30-130	Pass	
Spike - % Recovery								
				Result 1				
Cyanide (total)	M25-Au0020232	CP	%	93		70-130	Pass	
Spike - % Recovery								
Heavy Metals				Result 1				
Arsenic	M25-Au0020248	CP	%	88		75-125	Pass	
Beryllium	M25-Au0020248	CP	%	82		75-125	Pass	
Cadmium	M25-Au0020248	CP	%	109		75-125	Pass	
Chromium	M25-Au0020248	CP	%	98		75-125	Pass	
Copper	M25-Au0020248	CP	%	97		75-125	Pass	
Lead	M25-Au0020248	CP	%	114		75-125	Pass	
Mercury	M25-Au0020248	CP	%	103		75-125	Pass	
Nickel	M25-Au0020248	CP	%	94		75-125	Pass	
Silver	M25-Au0020248	CP	%	90		75-125	Pass	
Zinc	M25-Au0020248	CP	%	99		75-125	Pass	
Spike - % Recovery								
Perfluoroalkyl sulfonamido substances- Trace				Result 1				
Perfluorooctane sulfonamide (FOSA)	M25-Au0048821	NCP	%	85		50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M25-Au0048821	NCP	%	109		50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M25-Au0048821	NCP	%	102		50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M25-Au0048821	NCP	%	97		50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M25-Au0048821	NCP	%	108		50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M25-Au0048821	NCP	%	100		50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M25-Au0048821	NCP	%	103		50-150	Pass	
Spike - % Recovery								
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1				

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorobutanoic acid (PFBA)	M25-Au0048821	NCP	%	96			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	M25-Au0048821	NCP	%	110			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	M25-Au0048821	NCP	%	102			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	M25-Au0048821	NCP	%	108			50-150	Pass	
Perfluorooctanoic acid (PFOA)	M25-Au0049360	NCP	%	141			50-150	Pass	
Perfluorononanoic acid (PFNA)	M25-Au0048821	NCP	%	87			50-150	Pass	
Perfluorodecanoic acid (PFDA)	M25-Au0048821	NCP	%	103			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	M25-Au0048821	NCP	%	145			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	M25-Au0048821	NCP	%	106			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	M25-Au0048821	NCP	%	108			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	M25-Au0048821	NCP	%	115			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSA)s- Trace				Result 1					
Perfluorobutanesulfonic acid (PFBS)	M25-Au0048821	NCP	%	90			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	M25-Au0048821	NCP	%	98			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	M25-Au0048821	NCP	%	103			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	M25-Au0048821	NCP	%	88			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	M25-Au0049360	NCP	%	106			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	M25-Au0048821	NCP	%	94			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	M25-Au0049360	NCP	%	125			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	M25-Au0048821	NCP	%	89			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s- Trace				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M25-Au0048821	NCP	%	95			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	M25-Au0049360	NCP	%	114			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M25-Au0048821	NCP	%	89			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M25-Au0048821	NCP	%	119			50-150	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	M25-Au0045559	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	M25-Au0045559	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	M25-Au0045559	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	M25-Au0045559	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	M25-Au0045559	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	M25-Au0045559	NCP	mg/kg	< 100	< 100	<1	30%	Pass	

Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Acenaphthene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Acenaphthylene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Anthracene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benz(a)anthracene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(a)pyrene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(b&j)fluoranthene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(g,h,i)perylene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(k)fluoranthene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chrysene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibenz(a,h)anthracene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluoranthene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluorene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Naphthalene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Phenanthrene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Pyrene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Chlordanes - Total	M25-Au0044645	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
4,4'-DDD	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDE	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDT	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
a-HCH	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Aldrin	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
b-HCH	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
d-HCH	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Dieldrin	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan I	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan II	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan sulphate	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin aldehyde	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin ketone	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
g-HCH (Lindane)	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor epoxide	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Hexachlorobenzene	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Methoxychlor	M25-Au0044645	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Toxaphene	M25-Au0044645	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Azinphos-methyl	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Bolstar	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorfenvinphos	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorpyrifos	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorpyrifos-methyl	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Coumaphos	M25-Au0044645	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Demeton-S	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Demeton-O	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Diazinon	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Dichlorvos	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Dimethoate	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Disulfoton	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
EPN	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass

Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Ethion	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethoprop	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethyl parathion	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenitrothion	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fensulfothion	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenthion	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Malathion	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Merphos	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Methyl parathion	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Mevinphos	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Monocrotophos	M25-Au0044645	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Naled	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Omethoate	M25-Au0044645	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Phorate	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pirimiphos-methyl	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pyrazophos	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ronnel	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Terbufos	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tetrachlorvinphos	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tokuthion	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Trichloronate	M25-Au0044645	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C6-C9	M25-Au0020232	CP	mg/kg	< 20	< 20	<1	30%	Pass
TRH C6-C10	M25-Au0020232	CP	mg/kg	< 20	< 20	<1	30%	Pass
Naphthalene	M25-Au0020232	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
BTEX				Result 1	Result 2	RPD		
Benzene	M25-Au0020232	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Toluene	M25-Au0020232	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Ethylbenzene	M25-Au0020232	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
m&p-Xylenes	M25-Au0020232	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
o-Xylene	M25-Au0020232	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Xylenes - Total*	M25-Au0020232	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass
Duplicate								
Volatile Organics				Result 1	Result 2	RPD		
Tetrachloroethene	M25-Au0020232	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Cyanide (total)	M25-Au0044868	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M25-Au0020248	CP	mg/kg	3.3	3.3	1.0	30%	Pass
Barium	M25-Au0020248	CP	mg/kg	26	26	1.0	30%	Pass
Beryllium	M25-Au0020248	CP	mg/kg	< 2	< 2	<1	30%	Pass
Cadmium	M25-Au0020248	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	M25-Au0020248	CP	mg/kg	16	16	<1	30%	Pass
Cobalt	M25-Au0020248	CP	mg/kg	16	16	1.0	30%	Pass
Copper	M25-Au0020248	CP	mg/kg	11	11	2.0	30%	Pass
Iron	M25-Au0020248	CP	mg/kg	22000	22000	1.0	30%	Pass
Lead	M25-Au0020248	CP	mg/kg	16	16	2.0	30%	Pass
Manganese	M25-Au0020248	CP	mg/kg	130	130	<1	30%	Pass
Mercury	M25-Au0020248	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Nickel	M25-Au0020248	CP	mg/kg	7.9	7.8	1.0	30%	Pass

Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Silver	M25-Au0020248	CP	mg/kg	< 2	< 2	<1	30%	Pass
Zinc	M25-Au0020248	CP	mg/kg	23	22	<1	30%	Pass
Duplicate								
Sample Properties				Result 1	Result 2	RPD		
% Moisture	M25-Au0020248	CP	%	13	13	7.0	30%	Pass
Duplicate								
Polychlorinated Biphenyls				Result 1	Result 2	RPD		
Aroclor-1016	M25-Au0046001	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1221	M25-Au0046001	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1232	M25-Au0046001	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1242	M25-Au0046001	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1248	M25-Au0046001	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1254	M25-Au0046001	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1260	M25-Au0046001	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Total PCB*	M25-Au0046001	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	M25-Au0046001	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dichlorophenol	M25-Au0046001	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-Trichlorophenol	M25-Au0046001	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4,6-Trichlorophenol	M25-Au0046001	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,6-Dichlorophenol	M25-Au0046001	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Chloro-3-methylphenol	M25-Au0046001	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Pentachlorophenol	M25-Au0046001	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Tetrachlorophenols - Total	M25-Au0046001	NCP	mg/kg	< 10	< 10	<1	30%	Pass
Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
2-Cyclohexyl-4,6-dinitrophenol	M25-Au0046001	NCP	mg/kg	< 20	< 20	<1	30%	Pass
2-Methyl-4,6-dinitrophenol	M25-Au0046001	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Nitrophenol	M25-Au0046001	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4-Dimethylphenol	M25-Au0046001	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dinitrophenol	M25-Au0046001	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Methylphenol (o-Cresol)	M25-Au0046001	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
3&4-Methylphenol (m&p-Cresol)	M25-Au0046001	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
4-Nitrophenol	M25-Au0046001	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Dinoseb	M25-Au0046001	NCP	mg/kg	< 20	< 20	<1	30%	Pass
Phenol	M25-Au0046001	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Chromium (hexavalent)	M25-Au0049303	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Duplicate								
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1	Result 2	RPD		
Perfluorooctanoic acid (PFOA)	M25-Au0047905	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
Perfluoroalkyl sulfonic acids (PFSA)s - Trace				Result 1	Result 2	RPD		
Perfluorohexanesulfonic acid (PFHxS)	M25-Au0047905	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s - Trace				Result 1	Result 2	RPD		
1H,1H,2H,2H-perfluorooctanesulfonic acid(6:2 FTSA)	M25-Au0047905	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass

Duplicate									
Perfluoroalkyl sulfonamido substances- Trace				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	M25-Au0047317	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M25-Au0047317	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M25-Au0047317	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M25-Au0047317	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M25-Au0047317	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M25-Au0047317	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M25-Au0047317	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	M25-Au0047317	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorotridecanoic acid (PFTTrDA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)- Trace				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M25-Au0047317	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).

Authorised by:

Catherine Wilson	Analytical Services Manager
Carroll Lee	Senior Analyst-Organic
Carroll Lee	Senior Analyst-Volatile
Joseph Edouard	Senior Analyst-Organic
Joseph Edouard	Senior Analyst-PFAS
Joseph Edouard	Senior Analyst-Volatile
Luke Holt	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Mary Makarios	Senior Analyst-Sample Properties
Mele Singh	Senior Analyst-Organic



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Fyfe Earth Partners
Level 1, 124 South Tce
Adelaide
SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025 – Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: **Tim Henderson**

Report **1253743-W**

Project name **Unley Road**

Project ID **82257-1**

Received Date **Aug 14, 2025**

Client Sample ID			Rinsate_1
Sample Matrix			Water
Eurofins Sample No.			M25-
Date Sampled			Au0020258
Test/Reference	LOR	Unit	Jul 29, 2025
Total Recoverable Hydrocarbons			
TRH C6-C9	0.02	mg/L	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1
TRH C6-C10	0.02	mg/L	< 0.02
TRH C6-C10 less BTEX (F1) ^{N04}	0.02	mg/L	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	0.05	mg/L	< 0.05
Naphthalene ^{N02}	0.01	mg/L	< 0.01
TRH >C16-C34	0.1	mg/L	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1
BTEX			
Benzene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
o-Xylene	0.001	mg/L	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003
4-Bromofluorobenzene (surr.)	1	%	147
Polycyclic Aromatic Hydrocarbons			
Acenaphthene	0.001	mg/L	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001
Anthracene	0.001	mg/L	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001
Benzo(b&j)fluoranthene ^{N07}	0.001	mg/L	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001
Chrysene	0.001	mg/L	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001
Fluoranthene	0.001	mg/L	< 0.001
Fluorene	0.001	mg/L	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001

Client Sample ID			Rinsate_1
Sample Matrix			Water
Eurofins Sample No.			M25-Au0020258
Date Sampled			Jul 29, 2025
Test/Reference	LOR	Unit	
Polycyclic Aromatic Hydrocarbons			
Naphthalene	0.001	mg/L	< 0.001
Phenanthrene	0.001	mg/L	< 0.001
Pyrene	0.001	mg/L	< 0.001
Total PAH*	0.001	mg/L	< 0.001
2-Fluorobiphenyl (surr.)	1	%	90
p-Terphenyl-d14 (surr.)	1	%	70
Organochlorine Pesticides			
Chlordanes - Total	0.002	mg/L	< 0.002
4,4'-DDD	0.0002	mg/L	< 0.0002
4,4'-DDE	0.0002	mg/L	< 0.0002
4,4'-DDT	0.0002	mg/L	< 0.0002
a-HCH	0.0002	mg/L	< 0.0002
Aldrin	0.0002	mg/L	< 0.0002
b-HCH	0.0002	mg/L	< 0.0002
d-HCH	0.0002	mg/L	< 0.0002
Dieldrin	0.0002	mg/L	< 0.0002
Endosulfan I	0.0002	mg/L	< 0.0002
Endosulfan II	0.0002	mg/L	< 0.0002
Endosulfan sulphate	0.0002	mg/L	< 0.0002
Endrin	0.0002	mg/L	< 0.0002
Endrin aldehyde	0.0002	mg/L	< 0.0002
Endrin ketone	0.0002	mg/L	< 0.0002
g-HCH (Lindane)	0.0002	mg/L	< 0.0002
Heptachlor	0.0002	mg/L	< 0.0002
Heptachlor epoxide	0.0002	mg/L	< 0.0002
Hexachlorobenzene	0.0002	mg/L	< 0.0002
Methoxychlor	0.0002	mg/L	< 0.0002
Toxaphene	0.005	mg/L	< 0.005
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002
Dibutylchlorodate (surr.)	1	%	67
Tetrachloro-m-xylene (surr.)	1	%	59
Organophosphorus Pesticides			
Azinphos-methyl	0.002	mg/L	< 0.002
Bolstar	0.002	mg/L	< 0.002
Chlorfenvinphos	0.02	mg/L	< 0.02
Chlorpyrifos	0.002	mg/L	< 0.002
Chlorpyrifos-methyl	0.002	mg/L	< 0.002
Coumaphos	0.02	mg/L	< 0.02
Demeton-S	0.002	mg/L	< 0.002
Demeton-O	0.002	mg/L	< 0.002
Diazinon	0.002	mg/L	< 0.002
Dichlorvos	0.002	mg/L	< 0.002
Dimethoate	0.002	mg/L	< 0.002
Disulfoton	0.002	mg/L	< 0.002
EPN	0.002	mg/L	< 0.002
Ethion	0.002	mg/L	< 0.002

Client Sample ID			Rinsate_1
Sample Matrix			Water
Eurofins Sample No.			M25-Au0020258
Date Sampled			Jul 29, 2025
Test/Reference	LOR	Unit	
Organophosphorus Pesticides			
Ethoprop	0.002	mg/L	< 0.002
Ethyl parathion	0.002	mg/L	< 0.002
Fenitrothion	0.002	mg/L	< 0.002
Fensulfothion	0.002	mg/L	< 0.002
Fenthion	0.002	mg/L	< 0.002
Malathion	0.002	mg/L	< 0.002
Merphos	0.002	mg/L	< 0.002
Methyl parathion	0.002	mg/L	< 0.002
Mevinphos	0.002	mg/L	< 0.002
Monocrotophos	0.002	mg/L	< 0.002
Naled	0.002	mg/L	< 0.002
Omethoate	0.02	mg/L	< 0.02
Phorate	0.002	mg/L	< 0.002
Pirimiphos-methyl	0.02	mg/L	< 0.02
Pyrazophos	0.002	mg/L	< 0.002
Ronnel	0.002	mg/L	< 0.002
Terbufos	0.002	mg/L	< 0.002
Tetrachlorvinphos	0.002	mg/L	< 0.002
Tokuthion	0.002	mg/L	< 0.002
Trichloronate	0.002	mg/L	< 0.002
Triphenylphosphate (surr.)	1	%	53
Heavy Metals			
Arsenic	0.001	mg/L	< 0.001
Cadmium	0.0002	mg/L	< 0.0002
Chromium	0.001	mg/L	< 0.001
Copper	0.001	mg/L	< 0.001
Lead	0.001	mg/L	< 0.001
Mercury	0.0001	mg/L	< 0.0001
Nickel	0.001	mg/L	< 0.001
Zinc	0.005	mg/L	< 0.005
PFASs Summations			
Sum (PFHxS + PFOS)*	0.001	ug/L	< 0.001
Sum of PFASs (n=30)*	0.005	ug/L	< 0.005
Sum of WA DWER PFAS (n=10)*	0.005	ug/L	< 0.005
Perfluoroalkyl sulfonamido substances- Trace			
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.005	ug/L	< 0.005
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.005	ug/L	< 0.005
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.005	ug/L	< 0.005
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE) ^{N11}	0.005	ug/L	< 0.005
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE) ^{N11}	0.005	ug/L	< 0.005
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.005	ug/L	< 0.005
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.005	ug/L	< 0.005
13C8-FOSA (surr.)	1	%	101
D3-N-MeFOSA (surr.)	1	%	23
D5-N-EtFOSA (surr.)	1	%	18

Client Sample ID			Rinsate_1
Sample Matrix			Water
Eurofins Sample No.			M25-Au0020258
Date Sampled			Jul 29, 2025
Test/Reference	LOR	Unit	
Perfluoroalkyl sulfonamido substances- Trace			
D7-N-MeFOSE (surr.)	1	%	52
D9-N-EtFOSE (surr.)	1	%	47
D5-N-EtFOSAA (surr.)	1	%	90
D3-N-MeFOSAA (surr.)	1	%	98
Perfluoroalkyl carboxylic acids (PFCAs) - Trace			
Perfluorobutanoic acid (PFBA) ^{N11}	0.005	ug/L	< 0.005
Perfluoropentanoic acid (PFPeA) ^{N11}	0.001	ug/L	< 0.001
Perfluorohexanoic acid (PFHxA) ^{N11}	0.001	ug/L	< 0.001
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.001	ug/L	< 0.001
Perfluorooctanoic acid (PFOA) ^{N11}	0.001	ug/L	< 0.001
Perfluorononanoic acid (PFNA) ^{N11}	0.001	ug/L	< 0.001
Perfluorodecanoic acid (PFDA) ^{N11}	0.001	ug/L	< 0.001
Perfluorotridecanoic acid (PFTTrDA) ^{N15}	0.001	ug/L	< 0.001
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.001	ug/L	< 0.001
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.001	ug/L	< 0.001
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.001	ug/L	< 0.001
13C4-PFBA (surr.)	1	%	90
13C5-PFPeA (surr.)	1	%	98
13C5-PFHxA (surr.)	1	%	120
13C4-PFHpA (surr.)	1	%	124
13C8-PFOA (surr.)	1	%	122
13C5-PFNA (surr.)	1	%	124
13C6-PFDA (surr.)	1	%	106
13C2-PFUnDA (surr.)	1	%	93
13C2-PFDoDA (surr.)	1	%	79
13C2-PFTeDA (surr.)	1	%	24
Perfluoroalkyl sulfonic acids (PFSA)- Trace			
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.001	ug/L	< 0.001
Perfluorononanesulfonic acid (PFNS) ^{N15}	0.001	ug/L	< 0.001
Perfluoropropanesulfonic acid (PFPrS) ^{N15}	0.001	ug/L	< 0.001
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.001	ug/L	< 0.001
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.001	ug/L	< 0.001
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.001	ug/L	< 0.001
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.001	ug/L	< 0.001
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.001	ug/L	< 0.001
13C3-PFBS (surr.)	1	%	112
18O2-PFHxS (surr.)	1	%	115
13C8-PFOS (surr.)	1	%	104
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.001	ug/L	< 0.001
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA) ^{N11}	0.005	ug/L	< 0.005
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.001	ug/L	< 0.001
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N11}	0.001	ug/L	< 0.001
13C2-4:2 FTSA (surr.)	1	%	99
13C2-6:2 FTSA (surr.)	1	%	115
13C2-8:2 FTSA (surr.)	1	%	142
13C2-10:2 FTSA (surr.)	1	%	94

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

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

Description	Testing Site	Extracted	Holding Time
Eurofins Suite B4			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Aug 14, 2025	7 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Aug 14, 2025	7 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Aug 14, 2025	7 Days
BTEX - Method: LTM-ORG-2010 BTEX and Volatile TRH	Melbourne	Aug 14, 2025	14 Days
Polycyclic Aromatic Hydrocarbons - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Aug 14, 2025	7 Days
SA Waste Screen			
Organochlorine Pesticides - Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)	Melbourne	Aug 14, 2025	7 Days
Suite B14: OCP/OPP			
Organophosphorus Pesticides - Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS (USEPA 8270)	Melbourne	Aug 14, 2025	7 Days
Eurofins Suite B7			
Metals M8 - Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS	Melbourne	Aug 14, 2025	28 Days
Per- and Polyfluoroalkyl Substances (PFASs) - Trace			
Perfluoroalkyl sulfonamido substances- Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Aug 14, 2025	28 Days
Perfluoroalkyl carboxylic acids (PFCAs) - Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Aug 14, 2025	28 Days
Perfluoroalkyl sulfonic acids (PFASs)- Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Aug 14, 2025	28 Days
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Aug 14, 2025	28 Days



ABN: 50 005 085 521

ABN: 91 05 0159 898

NZBN: 9429046024954

Melbourne			Sydney		Canberra		Brisbane		Newcastle		Perth		Auckland		Auckland (Focus)		Christchurch		Tauranga	
6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254			179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217		Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466		1/21 Smallwood Place Murarie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780		1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079		46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554		35 O'Rourke Road Penrose Auckland 1061 +64 9 526 4551 IANZ# 1327		Unit C/14 Pacific Rise Mount Wellington Auckland 1061 +64 9 525 0568 IANZ# 1308		43 Detroit Drive Rolleston Christchurch 7675 +64 3 343 5201 IANZ# 1290		1277 Cameron Road Gate Pa Tauranga 3112 +64 9 525 0568 IANZ# 1402	

web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Unley Road
Project ID: 82257-1

Order No.: 1253743
Report #: 08 8201 9600
Phone: 08 8201 9650
Fax:

Received: Aug 14, 2025 12:53 PM
Due: Aug 21, 2025
Priority: 5 Day
Contact Name: Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail										Asbestos - AS4964*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	Eurofins Suite B4	Per- and Polyfluoroalkyl Substances (PFASs) - Trace	
										X	X	X	X	X	X	X	X	X	X
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ABN: 50 005 085 521

NZBN: 9429046024954

ABN: 91 05 0159 898

web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
+61 3 8564 5000
NATA# 1261
Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
+61 3 8564 5000
NATA# 1261
Site# 25403

Sydney
179 Magaween Road
Girraween
NSW 2145
+61 2 9900 8400
NATA# 1261
Site# 18217

Canberra
Unit 1, 2 Dacre Street
Mitchell
ACT 2911
+61 2 6113 8091
NATA# 1261
Site# 25466

Brisbane
1/21 Smallwood Place
Murarie
QLD 4172
+61 7 3902 4600
NATA# 1261
Site# 20794 & 2780

Newcastle
1/2 Frost Drive
Mayfield West
NSW 2304
+61 2 4968 8448
NATA# 1261
Site# 25079

Perth
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

Auckland
35 O'Rourke Road
Penrose
Auckland 1061
+64 9 526 4551
IANZ# 1327

Auckland (Focus)
Unit C/14 Pacific Rise
Mount Wellington
Auckland 1061
+64 9 525 0568
IANZ# 1308

Christchurch
43 Detroit Drive
Rolleston
Christchurch 7675
+64 3 343 5201
IANZ# 1290

Tauranga
1277 Cameron Road
Gate Pa
Tauranga 3112
+64 9 525 0568
IANZ# 1402

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Unley Road
Project ID: 82257-1

Order No.: 1253743
Report #: 08 8201 9600
Phone: 08 8201 9650
Fax:

Received: Aug 14, 2025 12:53 PM
Due: Aug 21, 2025
Priority: 5 Day
Contact Name: Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail										Per- and Polyfluoroalkyl Substances (PFASs) - Trace										Eurofins Suite B4										Eurofins Suite B7										SA Waste Screen										Moisture Set										Suite B14: OCP/OPP										Metals M8										HOLD*										Asbestos - AS4964*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Unley Road
Project ID: 82257-1

Order No.: 1253743
Report #: 08 8201 9600
Phone: 08 8201 9650
Fax:

Received: Aug 14, 2025 12:53 PM
Due: Aug 21, 2025
Priority: 5 Day
Contact Name: Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail										Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Eurofins Suite B4										
Eurofins Suite B7										
SA Waste Screen										
Moisture Set										
Suite B14: OCP/OPP										
Metals M8										
HOLD*										
Asbestos - AS4964*										
Melbourne Laboratory - NATA # 1261 Site # 1254										
19	BH02_4.9-5.0m	Jul 30, 2025	Soil					M25-Au0020246		X
20	BH02_15.6-15.7m	Jul 30, 2025	Soil					M25-Au0020247		
21	BH02_19.9-20m	Jul 30, 2025	Soil					M25-Au0020248	X	
22	BH03_0.3-0.4m	Jul 30, 2025	Soil					M25-Au0020249	X	
23	BH03_0.5-0.6m	Jul 30, 2025	Soil					M25-Au0020250	X	X
24	BH03_0.9-1.0m	Jul 30, 2025	Soil					M25-Au0020251		
25	BH03_1.5-1.6m	Jul 30, 2025	Soil					M25-Au0020252	X	
26	BH03_2.5-2.6m	Jul 30, 2025	Soil					M25-Au0020253	X	
27	BH03_3.9-4.0m	Jul 30, 2025	Soil					M25-Au0020254	X	
28	DUP_01	Jul 29, 2025	Soil					M25-Au0020255	X	
29	DUP_02	Jul 30, 2025	Soil					M25-Au0020256	X	



Eurofins Environmental
ABN: 50 005 085 521

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

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Contact Name: Tim Henderson

Eurofins Analytical Services Manager : Karl Bulow

Per- and Polyfluoroalkyl Substances (PFASs) - Trace	X	X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

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

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

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

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

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	mg/L: milligrams per litre	ppm: parts per million
µg/L: micrograms per litre	ppb: parts per billion	%: Percentage
org/100 mL: Organisms per 100 millilitres	NTU: Nephelometric Turbidity Units	MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	Colour: Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (<i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

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

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as 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 are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
Naphthalene	mg/L	< 0.01			0.01	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g,h,i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a,h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1,2,3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/L	< 0.002			0.002	Pass	
4,4'-DDD	mg/L	< 0.0002			0.0002	Pass	
4,4'-DDE	mg/L	< 0.0002			0.0002	Pass	
4,4'-DDT	mg/L	< 0.0002			0.0002	Pass	
a-HCH	mg/L	< 0.0002			0.0002	Pass	
Aldrin	mg/L	< 0.0002			0.0002	Pass	
b-HCH	mg/L	< 0.0002			0.0002	Pass	
d-HCH	mg/L	< 0.0002			0.0002	Pass	
Dieldrin	mg/L	< 0.0002			0.0002	Pass	
Endosulfan I	mg/L	< 0.0002			0.0002	Pass	
Endosulfan II	mg/L	< 0.0002			0.0002	Pass	
Endosulfan sulphate	mg/L	< 0.0002			0.0002	Pass	
Endrin	mg/L	< 0.0002			0.0002	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin aldehyde	mg/L	< 0.0002			0.0002	Pass	
Endrin ketone	mg/L	< 0.0002			0.0002	Pass	
g-HCH (Lindane)	mg/L	< 0.0002			0.0002	Pass	
Heptachlor	mg/L	< 0.0002			0.0002	Pass	
Heptachlor epoxide	mg/L	< 0.0002			0.0002	Pass	
Hexachlorobenzene	mg/L	< 0.0002			0.0002	Pass	
Methoxychlor	mg/L	< 0.0002			0.0002	Pass	
Toxaphene	mg/L	< 0.005			0.005	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/L	< 0.002			0.002	Pass	
Bolstar	mg/L	< 0.002			0.002	Pass	
Chlorfenvinphos	mg/L	< 0.02			0.02	Pass	
Chlorpyrifos	mg/L	< 0.002			0.002	Pass	
Chlorpyrifos-methyl	mg/L	< 0.002			0.002	Pass	
Coumaphos	mg/L	< 0.02			0.02	Pass	
Demeton-S	mg/L	< 0.002			0.002	Pass	
Demeton-O	mg/L	< 0.002			0.002	Pass	
Diazinon	mg/L	< 0.002			0.002	Pass	
Dichlorvos	mg/L	< 0.002			0.002	Pass	
Dimethoate	mg/L	< 0.002			0.002	Pass	
Disulfoton	mg/L	< 0.002			0.002	Pass	
EPN	mg/L	< 0.002			0.002	Pass	
Ethion	mg/L	< 0.002			0.002	Pass	
Ethoprop	mg/L	< 0.002			0.002	Pass	
Ethyl parathion	mg/L	< 0.002			0.002	Pass	
Fenitrothion	mg/L	< 0.002			0.002	Pass	
Fensulfothion	mg/L	< 0.002			0.002	Pass	
Fenthion	mg/L	< 0.002			0.002	Pass	
Malathion	mg/L	< 0.002			0.002	Pass	
Merphos	mg/L	< 0.002			0.002	Pass	
Methyl parathion	mg/L	< 0.002			0.002	Pass	
Mevinphos	mg/L	< 0.002			0.002	Pass	
Monocrotophos	mg/L	< 0.002			0.002	Pass	
Naled	mg/L	< 0.002			0.002	Pass	
Omethoate	mg/L	< 0.02			0.02	Pass	
Phorate	mg/L	< 0.002			0.002	Pass	
Pirimiphos-methyl	mg/L	< 0.02			0.02	Pass	
Pyrazophos	mg/L	< 0.002			0.002	Pass	
Ronnel	mg/L	< 0.002			0.002	Pass	
Terbufos	mg/L	< 0.002			0.002	Pass	
Tetrachlorvinphos	mg/L	< 0.002			0.002	Pass	
Tokuthion	mg/L	< 0.002			0.002	Pass	
Trichloronate	mg/L	< 0.002			0.002	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Mercury	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	
Zinc	mg/L	< 0.005			0.005	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Perfluoroalkyl sulfonamido substances- Trace							
Perfluorooctane sulfonamide (FOSA)	ug/L	< 0.005			0.005	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/L	< 0.005			0.005	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/L	< 0.005			0.005	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/L	< 0.005			0.005	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/L	< 0.005			0.005	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/L	< 0.005			0.005	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/L	< 0.005			0.005	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs) - Trace							
Perfluorobutanoic acid (PFBA)	ug/L	< 0.005			0.005	Pass	
Perfluoropentanoic acid (PFPeA)	ug/L	< 0.001			0.001	Pass	
Perfluorohexanoic acid (PFHxA)	ug/L	< 0.001			0.001	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/L	< 0.001			0.001	Pass	
Perfluorooctanoic acid (PFOA)	ug/L	< 0.001			0.001	Pass	
Perfluorononanoic acid (PFNA)	ug/L	< 0.001			0.001	Pass	
Perfluorodecanoic acid (PFDA)	ug/L	< 0.001			0.001	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/L	< 0.001			0.001	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/L	< 0.001			0.001	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/L	< 0.001			0.001	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/L	< 0.001			0.001	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)- Trace							
Perfluorobutanesulfonic acid (PFBS)	ug/L	< 0.001			0.001	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/L	< 0.001			0.001	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.001			0.001	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.001			0.001	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.001			0.001	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.001			0.001	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.001			0.001	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.001			0.001	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/L	< 0.001			0.001	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/L	< 0.005			0.005	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/L	< 0.001			0.001	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/L	< 0.001			0.001	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	108			70-130	Pass	
TRH C10-C14	%	102			70-130	Pass	
TRH C6-C10	%	107			70-130	Pass	
TRH >C10-C16	%	103			70-130	Pass	
Naphthalene	%	115			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	111			70-130	Pass	
Toluene	%	101			70-130	Pass	
Ethylbenzene	%	92			70-130	Pass	
m&p-Xylenes	%	94			70-130	Pass	
Xylenes - Total*	%	93			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Acenaphthene	%	84			70-130	Pass	
Acenaphthylene	%	98			70-130	Pass	
Anthracene	%	102			70-130	Pass	
Benz(a)anthracene	%	82			70-130	Pass	
Benzo(a)pyrene	%	85			70-130	Pass	
Benzo(b&j)fluoranthene	%	75			70-130	Pass	
Benzo(g,h,i)perylene	%	79			70-130	Pass	
Benzo(k)fluoranthene	%	73			70-130	Pass	
Chrysene	%	92			70-130	Pass	
Dibenz(a,h)anthracene	%	100			70-130	Pass	
Fluoranthene	%	103			70-130	Pass	
Fluorene	%	89			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	73			70-130	Pass	
Naphthalene	%	77			70-130	Pass	
Phenanthrene	%	76			70-130	Pass	
Pyrene	%	86			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	103			70-130	Pass	
4,4'-DDD	%	99			70-130	Pass	
4,4'-DDE	%	86			70-130	Pass	
4,4'-DDT	%	99			70-130	Pass	
a-HCH	%	107			70-130	Pass	
Aldrin	%	85			70-130	Pass	
b-HCH	%	70			70-130	Pass	
d-HCH	%	73			70-130	Pass	
Dieldrin	%	90			70-130	Pass	
Endosulfan I	%	91			70-130	Pass	
Endosulfan II	%	100			70-130	Pass	
Endosulfan sulphate	%	101			70-130	Pass	
Endrin	%	102			70-130	Pass	
Endrin aldehyde	%	99			70-130	Pass	
Endrin ketone	%	98			70-130	Pass	
g-HCH (Lindane)	%	110			70-130	Pass	
Heptachlor	%	89			70-130	Pass	
Heptachlor epoxide	%	87			70-130	Pass	
Hexachlorobenzene	%	111			70-130	Pass	
Methoxychlor	%	99			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	76			70-130	Pass	
Dimethoate	%	86			70-130	Pass	
Ethion	%	125			70-130	Pass	
Fenitrothion	%	79			70-130	Pass	
Mevinphos	%	85			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	100			80-120	Pass	
Cadmium	%	99			80-120	Pass	
Chromium	%	97			80-120	Pass	
Copper	%	98			80-120	Pass	
Lead	%	98			80-120	Pass	
Mercury	%	103			80-120	Pass	
Nickel	%	98			80-120	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Zinc			%	99			80-120	Pass	
LCS - % Recovery									
Perfluoroalkyl sulfonamido substances- Trace									
Perfluorooctane sulfonamide (FOSA)			%	82			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)			%	79			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)			%	75			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)			%	80			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)			%	88			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)			%	82			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)			%	87			50-150	Pass	
LCS - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Trace									
Perfluorobutanoic acid (PFBA)			%	72			50-150	Pass	
Perfluoropentanoic acid (PFPeA)			%	93			50-150	Pass	
Perfluorohexanoic acid (PFHxA)			%	81			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)			%	82			50-150	Pass	
Perfluorooctanoic acid (PFOA)			%	86			50-150	Pass	
Perfluorononanoic acid (PFNA)			%	87			50-150	Pass	
Perfluorodecanoic acid (PFDA)			%	90			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)			%	150			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)			%	90			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)			%	94			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)			%	104			50-150	Pass	
LCS - % Recovery									
Perfluoroalkyl sulfonic acids (PFSA)- Trace									
Perfluorobutanesulfonic acid (PFBS)			%	73			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)			%	74			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)			%	75			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)			%	89			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)			%	78			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)			%	76			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)			%	76			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)			%	124			50-150	Pass	
LCS - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace									
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)			%	79			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)			%	80			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)			%	76			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)			%	76			50-150	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons									
				Result 1					
TRH C6-C9	M25-Au0049495	NCP	%	88			70-130	Pass	
TRH C10-C14	M25-Au0035115	NCP	%	85			70-130	Pass	
TRH C6-C10	M25-Au0049495	NCP	%	87			70-130	Pass	
TRH >C10-C16	M25-Au0035115	NCP	%	86			70-130	Pass	
Naphthalene	M25-Au0049495	NCP	%	108			70-130	Pass	
Spike - % Recovery									
BTEX									
				Result 1					
Benzene	M25-Au0049495	NCP	%	98			70-130	Pass	
Toluene	M25-Au0049495	NCP	%	98			70-130	Pass	
Ethylbenzene	M25-Au0049495	NCP	%	95			70-130	Pass	
m&p-Xylenes	M25-Au0049495	NCP	%	95			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
o-Xylene	M25-Au0049495	NCP	%	99			70-130	Pass	
Xylenes - Total*	M25-Au0049495	NCP	%	97			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	M25-Au0031621	NCP	%	92			70-130	Pass	
Acenaphthylene	M25-Au0031621	NCP	%	95			70-130	Pass	
Anthracene	M25-Au0031621	NCP	%	96			70-130	Pass	
Benz(a)anthracene	M25-Au0031621	NCP	%	88			70-130	Pass	
Benzo(a)pyrene	M25-Au0031621	NCP	%	120			70-130	Pass	
Benzo(b&j)fluoranthene	M25-Au0031621	NCP	%	94			70-130	Pass	
Benzo(g,h,i)perylene	M25-Au0031621	NCP	%	110			70-130	Pass	
Benzo(k)fluoranthene	M25-Au0031621	NCP	%	91			70-130	Pass	
Chrysene	M25-Au0031621	NCP	%	93			70-130	Pass	
Dibenz(a,h)anthracene	M25-Au0031621	NCP	%	120			70-130	Pass	
Fluoranthene	M25-Au0031621	NCP	%	92			70-130	Pass	
Fluorene	M25-Au0031621	NCP	%	119			70-130	Pass	
Indeno(1,2,3-cd)pyrene	M25-Au0031621	NCP	%	119			70-130	Pass	
Naphthalene	M25-Au0031621	NCP	%	118			70-130	Pass	
Phenanthrene	M25-Au0031621	NCP	%	127			70-130	Pass	
Pyrene	M25-Au0031621	NCP	%	87			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	M25-Au0031621	NCP	%	108			70-130	Pass	
4,4'-DDD	M25-Au0031621	NCP	%	87			70-130	Pass	
4,4'-DDE	M25-Au0031621	NCP	%	116			70-130	Pass	
4,4'-DDT	M25-Au0031621	NCP	%	92			70-130	Pass	
a-HCH	M25-Au0031621	NCP	%	72			70-130	Pass	
Aldrin	M25-Au0031621	NCP	%	109			70-130	Pass	
b-HCH	M25-Au0031621	NCP	%	75			70-130	Pass	
d-HCH	M25-Au0031621	NCP	%	89			70-130	Pass	
Dieldrin	M25-Au0031621	NCP	%	122			70-130	Pass	
Endosulfan I	M25-Au0031621	NCP	%	87			70-130	Pass	
Endosulfan II	M25-Au0031621	NCP	%	93			70-130	Pass	
Endosulfan sulphate	M25-Au0031621	NCP	%	100			70-130	Pass	
Endrin	M25-Au0031621	NCP	%	88			70-130	Pass	
Endrin aldehyde	M25-Au0031621	NCP	%	98			70-130	Pass	
Endrin ketone	M25-Au0031621	NCP	%	107			70-130	Pass	
g-HCH (Lindane)	M25-Au0031621	NCP	%	100			70-130	Pass	
Heptachlor	M25-Au0031621	NCP	%	97			70-130	Pass	
Heptachlor epoxide	M25-Au0031621	NCP	%	97			70-130	Pass	
Hexachlorobenzene	M25-Au0031621	NCP	%	84			70-130	Pass	
Methoxychlor	M25-Au0031621	NCP	%	93			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	M25-Au0031621	NCP	%	121			70-130	Pass	
Dimethoate	M25-Au0031621	NCP	%	104			70-130	Pass	
Ethion	M25-Au0031621	NCP	%	112			70-130	Pass	
Fenitrothion	M25-Au0031621	NCP	%	111			70-130	Pass	
Mevinphos	M25-Au0031621	NCP	%	127			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M25-Au0035291	NCP	%	95			75-125	Pass	
Cadmium	M25-Au0035291	NCP	%	98			75-125	Pass	
Chromium	M25-Au0035291	NCP	%	93			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Copper	M25-Au0035291	NCP	%	94			75-125	Pass	
Lead	M25-Au0035291	NCP	%	94			75-125	Pass	
Mercury	M25-Au0035291	NCP	%	95			75-125	Pass	
Nickel	M25-Au0035291	NCP	%	94			75-125	Pass	
Zinc	M25-Au0035291	NCP	%	97			75-125	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1					
Perfluorooctanoic acid (PFOA)	M25-Au0040506	NCP	%	95			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSA)s - Trace				Result 1					
Perfluorohexanesulfonic acid (PFHxS)	M25-Au0040506	NCP	%	87			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	M25-Au0040506	NCP	%	85			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s - Trace				Result 1					
1H,1H,2H,2H-perfluorooctanesulfonic acid(6:2 FTSA)	M25-Au0040506	NCP	%	90			50-150	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M25-Au0050848	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C10-C14	M25-Au0037679	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	M25-Au0037679	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	M25-Au0037679	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C6-C10	M25-Au0050848	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH >C10-C16	M25-Au0037679	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Naphthalene	M25-Au0050848	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
TRH >C16-C34	M25-Au0037679	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	M25-Au0037679	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M25-Au0050848	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	M25-Au0050848	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	M25-Au0050848	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	M25-Au0050848	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	M25-Au0050848	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	M25-Au0050848	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(a)pyrene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(b&j)fluoranthene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(g,h,i)perylene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chrysene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibenz(a,h)anthracene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluoranthene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluorene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Indeno(1,2,3-cd)pyrene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Naphthalene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Phenanthrene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Pyrene	M25-Au0036070	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Chlordanes - Total	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
4,4'-DDD	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
4,4'-DDE	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
4,4'-DDT	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
a-HCH	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Aldrin	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
b-HCH	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
d-HCH	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Dieldrin	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endosulfan I	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endosulfan II	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endosulfan sulphate	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endrin	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endrin aldehyde	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endrin ketone	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
g-HCH (Lindane)	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Heptachlor	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Heptachlor epoxide	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Hexachlorobenzene	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Methoxychlor	M25-Au0036070	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Toxaphene	M25-Au0036070	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Azinphos-methyl	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Bolstar	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Chlorfenvinphos	M25-Au0036070	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Chlorpyrifos	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Chlorpyrifos-methyl	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Coumaphos	M25-Au0036070	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Demeton-S	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Demeton-O	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Diazinon	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Dichlorvos	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Dimethoate	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Disulfoton	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
EPN	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ethion	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ethoprop	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ethyl parathion	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Fenitrothion	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Fensulfthion	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Fenthion	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Malathion	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Merphos	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Methyl parathion	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Mevinphos	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Monocrotophos	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Naled	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Omethoate	M25-Au0036070	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Phorate	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass

Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Pirimiphos-methyl	M25-Au0036070	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Pyrazophos	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ronnel	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Terbufos	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Tetrachlorvinphos	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Tokuthion	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Trichloronate	M25-Au0036070	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M25-Au0035291	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Cadmium	M25-Au0035291	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Chromium	M25-Au0035291	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Copper	M25-Au0035291	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Lead	M25-Au0035291	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Mercury	M25-Au0035291	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass
Nickel	M25-Au0035291	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Zinc	M25-Au0035291	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Duplicate								
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1	Result 2	RPD		
Perfluorobutanoic acid (PFBA)	M25-Au0033730	NCP	ug/L	9.2	8.6	6.0	30%	Pass
Perfluoropentanoic acid (PFPeA)	M25-Au0033730	NCP	ug/L	18	19	3.0	30%	Pass
Perfluorohexanoic acid (PFHxA)	M25-Au0033730	NCP	ug/L	120	120	1.0	30%	Pass
Perfluoroheptanoic acid (PFHpA)	M25-Au0033730	NCP	ug/L	6.5	6.5	1.0	30%	Pass
Perfluorooctanoic acid (PFOA)	M25-Au0040505	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass
Perfluorononanoic acid (PFNA)	M25-Au0033730	NCP	ug/L	0.63	0.70	11	30%	Pass
Duplicate								
Perfluoroalkyl sulfonic acids (PFSA)s - Trace				Result 1	Result 2	RPD		
Perfluorobutanesulfonic acid (PFBS)	M25-Au0033730	NCP	ug/L	17	18	8.0	30%	Pass
Perfluorononanesulfonic acid (PFNS)	M25-Au0033730	NCP	ug/L	1.5	1.7	13	30%	Pass
Perfluoropropanesulfonic acid (PFPrS)	M25-Au0033730	NCP	ug/L	6.1	6.7	9.0	30%	Pass
Perfluoropentanesulfonic acid (PFPeS)	M25-Au0033730	NCP	ug/L	27	26	4.0	30%	Pass
Perfluorohexanesulfonic acid (PFHxS)	M25-Au0040505	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass
Perfluoroheptanesulfonic acid (PFHpS)	M25-Au0033730	NCP	ug/L	330	350	6.0	30%	Pass
Perfluorooctanesulfonic acid (PFOS)	M25-Au0040505	NCP	ug/L	< 0.001	< 0.001	<1	30%	Pass
Duplicate								
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s - Trace				Result 1	Result 2	RPD		
1H,1H,2H,2H-perfluorooctanesulfonic acid(6:2 FTSA)	M25-Au0040505	NCP	ug/L	< 0.005	< 0.005	<1	30%	Pass

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).

Authorised by:

Catherine Wilson	Analytical Services Manager
Edward Lee	Senior Analyst-Organic
Emily Rosenberg	Senior Analyst-Metal
Joseph Edouard	Senior Analyst-Organic
Joseph Edouard	Senior Analyst-PFAS
Joseph Edouard	Senior Analyst-Volatile



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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